

Create it 

NSK

PROFESSIONAL PRODUCTS 2024

PROFESSIONAL PRODUCTS 2024

NSK

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Create it

Smiling, laughing & eating delicious food.

Dental care is directly linked to a happy life and is inexplicably linked to a healthy life expectancy.

NSK creates various values for all stakeholders, on a mission to contribute to the best dental care.

Innovative technology, high precision/quality and stress-free products. Allowing confidence and security, to build trust with customers, smiles of patients and a bright future.

NSK is always close to people and this corresponds to long term dental health.

Create_

innovation

precision

quality

professionalism

confidence

partnership

hospitality

sustainability

smile

tomorrow

Made In KANUMA



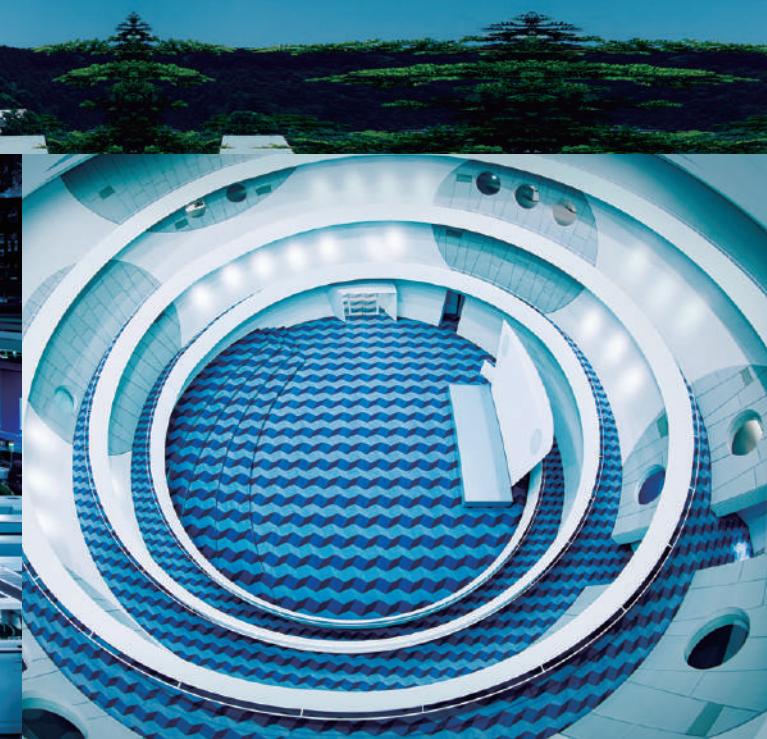
"RD1" is the R&D center, with state-of-the-art equipment and highly trained engineering teams.

"A1" Factory is the world's largest (in its class) cutting-edge factory in ultra-precision machining for dental handpieces.

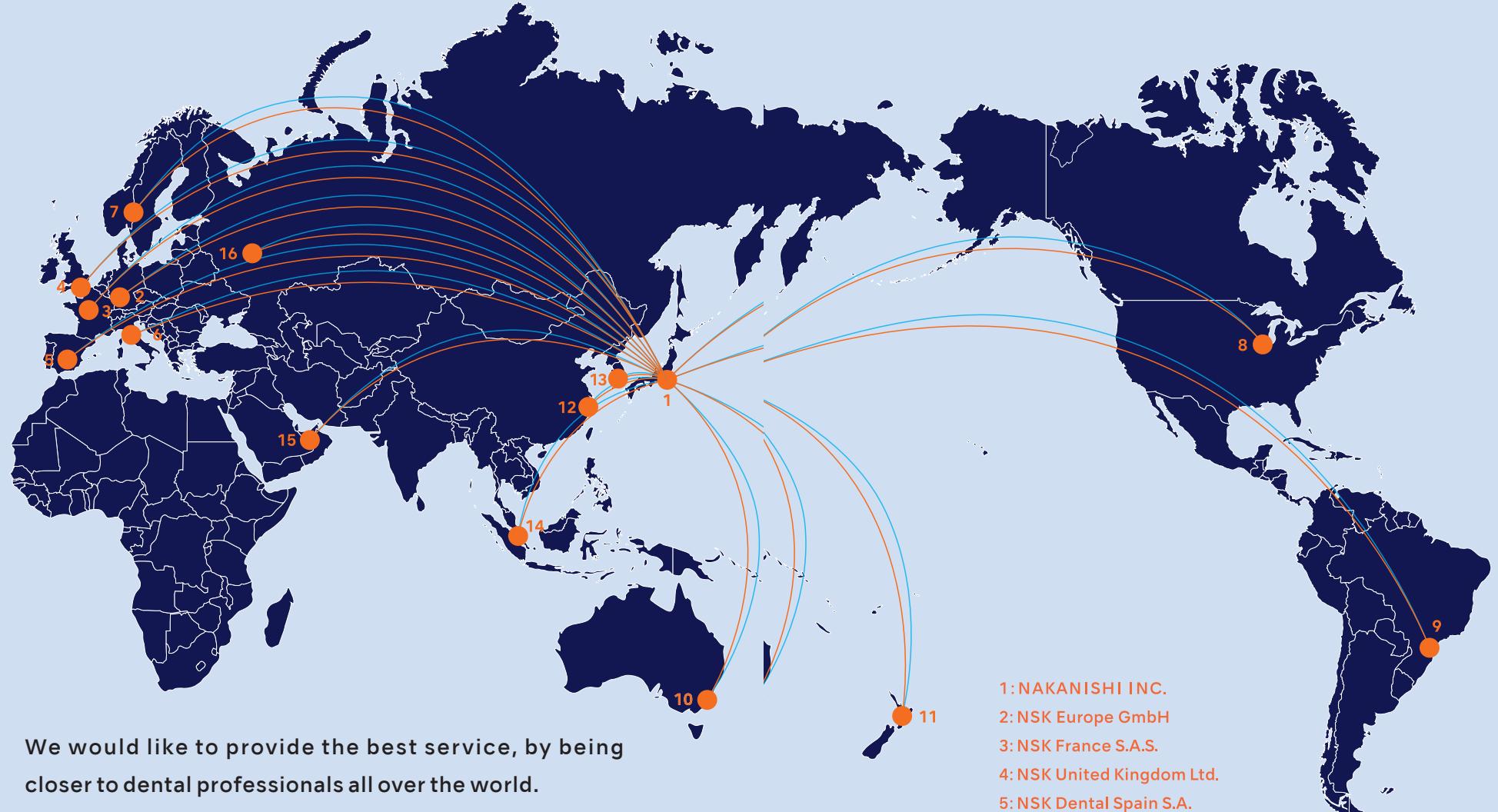
All NSK products are developed and produced in Japan and shipped worldwide.

This comes from our faith, that development and production should be integrated in order to make the best products.

NSK creates innovation in KANUMA, Japan.



Global Network



We would like to provide the best service, by being closer to dental professionals all over the world.

The result of this ambition is a network of distributors covering 16 overseas sales subsidiaries, as well as distributors covering 135 countries.

Your voice is important, the sales people of NSK will continue to support you day-to-day in order to be able to meet any requests and suggestions you have.

- 1: NAKANISHI INC.
- 2: NSK Europe GmbH
- 3: NSK France S.A.S.
- 4: NSK United Kingdom Ltd.
- 5: NSK Dental Spain S.A.
- 6: NSK Dental Italy S.r.l.
- 7: NSK Dental Nordic AB
- 8: NSK America Corp.
- 9: NSK America Latina Ltda.
- 10: NSK Oceania Pty. Ltd.
- 11: NSK Oceania Ltd.
- 12: NSK Shanghai Co.,Ltd.
- 13: NSK Dental Korea Co.,Ltd.
- 14: NSK Nakanishi Asia Pte. Ltd.
- 15: NSK Middle East FZCO
- 16: NSK RUS LLC

Pioneer of Infection Control

= DualDefence™



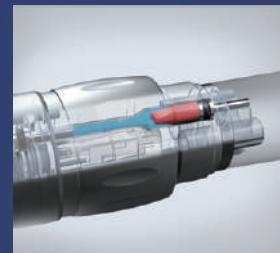
CLEAN HEAD SYSTEM



The Anti-Suckback system prevents blood and dirt from entering the air lines.

As a dental instrument manufacturer, NSK always puts the safety of users, support staff and patients first. With that in mind, NSK has been searching for solutions to prevent cross infection for over 30 years. This fact and track record proves that NSK is the industry's leading brand in infection control.

ANTI-RETRACTION VALVE



The Anti-Retraction Valve system prevents blood and debris from entering the water lines.

The Environment

NSK believes that it is an important mission to create products that contribute to the environment.

In order to protect the future global environment, we aim to reduce the environmental load and establish a "low-carbon, high recycling, and symbiotic society".

In the rich scenery of Kanuma-Japan, that changes its expression from season to season.

Recycling rate of cutting oil 97%

Renewable energy usage^{*1} 100%

Waste Resource Recovery 99.1%

*1 Total consumption at company headquarters location



NSK Advantages

NSK Cellular Glass Optic

Cellular Glass Optic delivers brilliant illumination, is highly durable and will not deteriorate due to repeated sterilization.



NSK Ceramic Bearings

Ceramic Bearings are 25% harder than conventional steel bearings but are only half the weight. Because frictional wear between the ball bearings and the bearing retainer is significantly reduced the efficiency and durability is significantly increased.



NSK Clean Head System

The Clean Head System has an anti-suck back mechanism that stops blood and foreign matter from entering the head from the oral cavity. As a result, the ball bearings and mechanical parts last longer.



NSK Push Button Chuck

Push Button Chuck is NSK's original push button auto-chuck mechanism that tightens the bur grip during rotation. It allows one-touch bur insertion and removal without tools. The bur lock mechanism is designed so that bur retention strength increases when high loads are applied to the bur.



NSK Quattro Water Spray

The NSK Quattro Water Spray effectively cools the entire surface of the bur with a high cooling effect, leaving no areas uncovered.



NSK Non-Retraction Valve

A Non-Retraction Valve is integrated inside the coupling and inside air motors. It prevents retraction of contaminated fluids into the handpiece water lines. In combination with the Clean Head System, the Non-Retraction Valve provides an effective method to effectively reduce possible internal contamination.



NSK Ergonomic Comfort Grip

NSK is dedicated to designing handpieces that adapt comfortably to the human hand form, even during extended treatment periods. This is relevant to all hand sizes. Titanium is the optimum material to especially offer lightweight comfort, tactile sensitivity, and the ideal grip texture even for gloved hands.



NSK Scratchless DURAGRIP

Special surface processed body pursuing usability and operability is designed to improve comfortability of holding while equal scratch resistancy as DURACOAT is maintained.



NSK Scratchless DURACOAT

DURACOAT, NSK's latest surface enhancement technology, takes advantage of the non allergic and biocompatible properties of titanium to further improve durability. DURACOAT creates a smooth, scratch resistant surface which is comfortable to hold.



Autoclavable

All NSK handpieces offer superior durability and continued performance, even when frequently autoclaved. All handpieces may be autoclavable up to 135°C.



Thermo-disinfectant Ready

Disinfecting handpieces prior to autoclaving is a recommendable practice for more effective infection control. The symbol mark on your NSK product means you can cleanse and disinfect the handpiece using a thermo-disinfectant.



■ Please quote both the Model & Order Code.

Couplings

For NSK



LUX Coupling



LED

- Stainless Steel Body
- Titanium coating
- Anti-Retraction Valve



Optic	MODEL	ORDER CODE
●	PTL-CL-LED	P1001600

- Water volume adjuster
- Stainless Steel Body
- Titanium coating
- Anti-Retraction Valve



Optic	MODEL	ORDER CODE
●	PTL-CL-LEDIII	P1001601

For KaVo®



LUX Coupling



LED

- Water volume adjuster
- Stainless Steel Body
- Titanium coating
- Anti-Retraction Valve



Optic	MODEL	ORDER CODE
●	KCL-LED	P1005600

For Sirona®



LUX Coupling



LED

- Water volume adjuster
- Stainless Steel Body
- Titanium coating
- Anti-Retraction Valve



Optic	MODEL	ORDER CODE
●	SCL-LED	P1009600

For NSK



Midwest 4 hole



LED

- Stainless Steel Body
- Anti-Retraction Valve



Optic	MODEL	ORDER CODE
—	FM-CL-M4	P434051

For NSK



Borden 2/3 hole



LED

- Stainless Steel Body
- Anti-Retraction Valve



Optic	MODEL	ORDER CODE
—	FM-CL-B2/B3	P432051

NSK Coupling System

NSK LED	PTL-CL-LED	PTL-CL-LEDIII	Ti-Max Z	S-Max M	S-Max pico	Ti-Max X450	Para-Max2*	Ti-Max S970	Prophy-Mateneo*	Perio-Mate*
○	○	○	○	○	○	○	○	○	○	○

NSK Non-Optic	FM-CL-M4
○	○

KaVo® LED	KCL-LED
○	○

Sirona® LED	SCL-LED
○	○

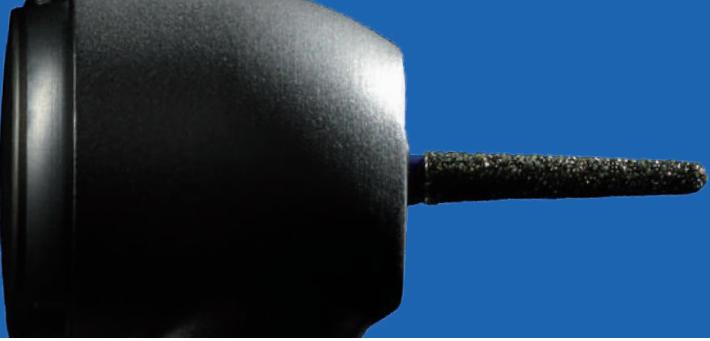
W&H®
○

Bien-Air®
○

Midwest 4 hole	(Direct-connect / Screw-on Type)
—	—

Borden 2 hole	(Direct-connect / Screw-on Type)
—	—

*Handpiece will operate without optic illumination



AIR TURBINES

Ti-Max Z S-Max M Ti-Max X450 S-Max Pico Pana-Max Plus Pana-Max2



Grade	PREMIUM	ADVANCED	SPECIAL	SPECIAL	BASIC	BASIC
Body	Titanium	Stainless	Titanium	Stainless	Stainless	Stainless
DURAGRIP	●					
DURACOAT			●			
Quick Stop	●					
Ceramic Bearings	●	●	●	●	●	●
Cellular Glass Optics	●	●	●	●		
Clean Head System	●	●	●	●	●	●
Push Button Chuck	●	●	●	●	●	●
Water Spray	Quattro	Quattro	Triple	Single	Quattro	Single
Microfilter	●					
Ergo Grip	●	●	●	●	●	●

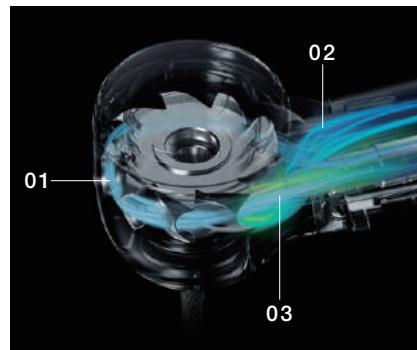
Ti-Max Z

Premium



DYNAMIC POWER SYSTEM

Equipped with a new system, the "DYNAMIC POWER SYSTEM" that provides a revolutionary cutting feel. The enlarged exhaust port, optimized nozzle structure, and enlarged rotor chamber achieve the highest rotational power in its category.



01. Expanded Rotor Blade Surface

The air exposure area is twice that of conventional models. The large chamber surface takes in air with no waste to achieve high torque.

02. Expanded Exhaust Groove

The enlarged exhaust groove quickly discharges air received by the chamber. A smooth exhaust improves torque in the low rpm range.

03. Extended Cylindrical Nozzle

The optimized nozzle structure reduces air. Air power is converted into highly efficient rotational power.

USABILITY

Lightweight titanium body and 100° angle head

The internal structure has been revised and the weight has been reduced by 16% compared to the previous model (the lightest metal exterior in major competitive comparisons). Considering the physiological curves of the oral cavity (Curve of Spee and Curve of Wilson), the 100° angled head enables easier access and high-torque cutting for efficient treatment in the oral cavity.



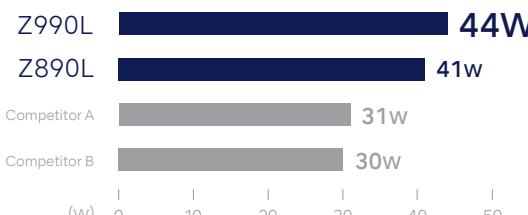
Comparison with previous model



The best technologies are combined to bring outstanding power.

"DYNAMIC POWER SYSTEM" ha sido desarrollado con los softwares de simulación de fluidos más avanzados para permitir una eficaz conversión del aire en potencia y conseguir un aumento significativo de la potencia de 26W a 44W*. Al incorporar todos los avances tecnológicos de NSK, como la fusión del torque y una potencia sin precedentes, el ángulo del cabezal y el agarre, el nuevo modelo se ha convertido en el emblema de NSK, especialista en instrumental rotatorio.

● Power comparison with competitive products (in-house research)*

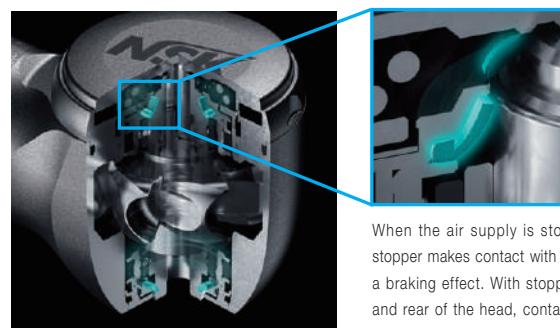


*Air pressure at 0.42 MPa

SAFETY & INFECTION CONTROL

Quick Stop

The Quick-stop function, which stops high-speed rotation in approximately 1 second, is mounted on the front and back of the head. The two Quick-stop functions allow for a abrupt stop to prevent inertial rotation and to reduce the risk of intraoral entrapment and suck back, thus ensuring an extremely safe treatment. *The two Quick-stop functions only Z990L / Z890L.



When the air supply is stopped, the rubber of the stopper makes contact with the rotating shaft to apply a braking effect. With stoppers attached to the front and rear of the head, contact is increased, making it possible to abruptly stop the rotation.

TECHNOLOGY AND FUNCTION

QUICK STOP FUNCTION

The two Quick-stop functions allow for a abrupt stop to prevent inertial rotation and to reduce the risk of intraoral entrapment and suck back, thus ensuring an extremely safe treatment.

DYNAMIC POWER SYSTEM

The high power of 44W and the "Dynamic Power System" + open cartridge maintain unprecedented cutting power. In addition, the unit is durable enough to withstand air pressure of 0.42 MPa.

4-port water spray with expanded cooling range

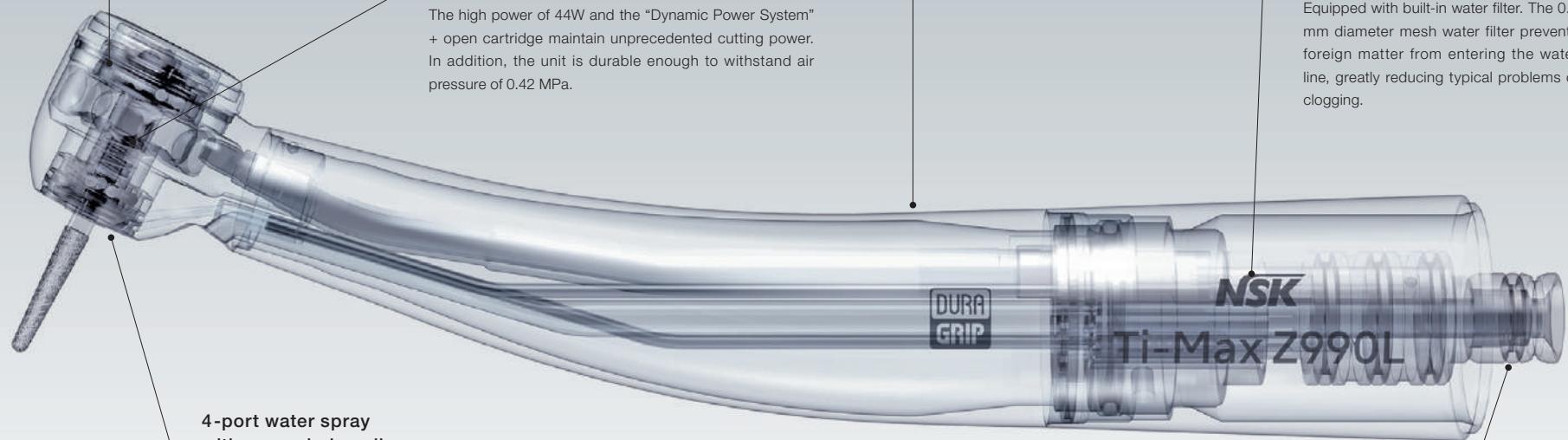
Efficiently cools the entire bur without impairing visibility. Water injected from two directions allows for proper cooling of burs of varying lengths.

DURAGRIP

The unique non-slip, non-scratch surface treatment improves durability and ensures a comfortable grip.

Microfilter

Equipped with built-in water filter. The 0.3 mm diameter mesh water filter prevents foreign matter from entering the water line, greatly reducing typical problems of clogging.



Compatible with Other Couplings

The line-up features models that are compatible with most coupling systems currently available in the market.

Ti-Max Z Premium



DYNAMIC POWER SYSTEM*

Head at a 100° angle

Quick Stop

Titanium Body

DURAGRIP

Cellular Glass Optics

Ceramic Bearings

Push Button Chuck

Quattro Spray

Simple Cartridge Change

Clean Head System

Microfilter*

*Only Z990L / Z890L



Micro Head

Power : 20 W

Speed : 380,000-450,000 min⁻¹
Head Size : ø9.0 x H 10.8 mm

Miniature Head

Power : 41 W
Speed : 320,000-400,000 min⁻¹
Head Size : ø10.6 x H 10.8 mm

Standard Head

Power : 44 W
Speed : 280,000-360,000 min⁻¹
Head Size : ø12.1 x H 12.7 mm

NSK Couplings

Head	Optic	MODEL	ORDER CODE
Micro	●	Z micro	PA2357
Miniature	●	Z890L	PA23720001
Standard	●	Z990L	PA23730001

KaVo® Coupling

Head	Optic	MODEL	ORDER CODE
Micro	●	Z micro KL	PA2358
Miniature	●	Z890KL	PA23740001
Standard	●	Z990KL	PA23750001

Sirona® Coupling

Head	Optic	MODEL	ORDER CODE
Micro	●	Z micro SL	PA2359
Miniature	●	Z890SL	PA23760001
Standard	●	Z990SL	PA23770001

W&H® Coupling

Head	Optic	MODEL	ORDER CODE
Miniature	●	Z890WL*	PA23860001
Standard	●	Z990WL*	PA23870001

Bien-Air® Coupling

Head	Optic	MODEL	ORDER CODE
Miniature	●	Z890BL*	PA23840001
Standard	●	Z990BL*	PA23850001

*Compatible Turbines with Integral LED

S-Max M

Advanced



MORE POWERFUL

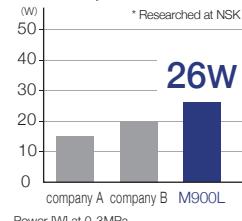


The rotor design is optimized using a rotating air flow simulation, resulting in 26W of power through the efficient use of air supply energy.

26W power

The internal structure is completely redesigned to achieve superior noise and vibration reduction, including the 26W high power rotor.

Power compared with the same handpiece class offered by other manufacturers.



DURABILITY

All stainless body

The handpiece body is stainless steel, making it corrosion resistant and sturdy. Its satin-like finish fits comfortably in your hand.

Ceramic bearings

The ceramic bearings are 25% harder than steel and around half the weight, meaning very little wear, which helps the cartridge to last longer.

Clean Head System

The Clean Head System has an anti-suck back mechanism that stops blood and foreign matter from entering the head from the oral cavity. As a result, the ball bearings and mechanical parts last longer.

USABILITY

Simple cartridge change

The handpiece is designed with barrel type cartridge. The cartridge is easy to replace. Changing the cartridge also eliminates water blockage.

Quattro spray

Sprays more effectively over the entire bur for better cooling.

Push Button Chuck

The bur is released easily with the responsive and tactile push button.

S-Max M Advanced



Stainless Steel Body
 Cellular Glass Optics
 Ceramic Bearings
 Clean Head System
 Push Button Chuck
 Quattro Spray
 Simple Cartridge Change



Miniature Head
 Power : 23 W
 Speed : 380,000-450,000 min⁻¹
 Head Size : ø10.6 x H 12.4 mm

Standard Head
 Power : 26 W
 Speed : 325,000-430,000 min⁻¹
 Head Size : ø12.1 x H 13.3 mm

NSK Couplings		Head	Optic	MODEL	ORDER CODE
Miniature	●	M800L	P1253		
	—	M800	P1255		
Standard	●	M900L	P1254		
	—	M900	P1256		
KaVo® Coupling		Head	Optic	MODEL	ORDER CODE
Miniature	●	M800KL	P1257		
	—	M900KL	P1258		
Standard	●	M900K	P1259		
	—				
Sirona® Coupling		Head	Optic	MODEL	ORDER CODE
Miniature	●	M800SL	P1261		
	—	M900SL	P1262		
W&H® Coupling		Head	Optic	MODEL	ORDER CODE
Miniature	●	M800WL*	P1265		
	—	M900WL*	P1266		
Standard	●	M900W	P1287		
	—				
Bien-Air® Coupling		Head	Optic	MODEL	ORDER CODE
Miniature	●	M800BL*	P1263		
	—	M900BL*	P1264		

*Compatible Turbines with Integral LED



S-Max pico

Special

The Innovative Air Turbine with Ultra Mini Head and Super Slim Body Shape

The NSK S-Max pico series has been developed for the operation of Minimal Intervention (M.I). The ultra mini head and super slim handpiece design is the result of fine NSK precision engineering allowing a wider view of the operational field, and greater flexibility for dexterity.

Comparison of head sizes



Improve The Accuracy of Operation with The Microscope



The ultra mini head delivers expanded operational visibility and greater flexibility. Patient comfort is increased.

In combination with mirror technique



Dedicated Burs for S-Max pico Series

NSK has developed special ultra short shank burs to operate specifically with the pico handpiece. These high quality precision burs are concentric and durable. Use of NSK ultra short shank burs maximises the mini advantage of the pico handpiece.



Original bur of high precision
(Rotational speed: 400,000 min⁻¹)

S-Max pico Special



Stainless Steel Body
 Cellular Glass Optics
 Ceramic Bearings
 Clean Head System
 Push Button Chuck
 Single Spray

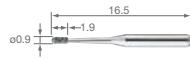


Power : 9 W
 Speed : 380,000-450,000 min⁻¹
 Head Size : ø8.6 x H 9.0 mm
 • For short shank burs / ultra short shank burs

Optic	MODEL	ORDER CODE
●	S-Max pico	P1140
Optic	MODEL	ORDER CODE
●	S-Max pico KL	P1142
Optic	MODEL	ORDER CODE
●	S-Max pico SL	P1143
Optic	MODEL	ORDER CODE
●	S-Max pico WLED*	P1145
Optic	MODEL	ORDER CODE
●	S-Max pico BLED*	P1144

*Compatible Turbines with Integral LED

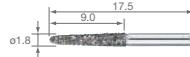
pico bur



MODEL	ORDER CODE
PC1	Y1001817
• Pack of 3	



MODEL	ORDER CODE
PC2	Y1001818
• Pack of 3	



MODEL	ORDER CODE
PC3	Y1001819
• Pack of 3	



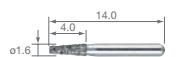
MODEL	ORDER CODE
PC3ff	Y1002019
• Extra fine bur • Pack of 3	



MODEL	ORDER CODE
PC4	Y1001820
• Pack of 3	



MODEL	ORDER CODE
PC4ff	Y1002020
• Extra fine bur • Pack of 3	



MODEL	ORDER CODE
PC5	Y1001821
• Pack of 3	



MODEL	ORDER CODE
PC5ff	Y1002021
• Extra fine bur • Pack of 3	



MODEL	ORDER CODE
PC6	Y1001822
• Pack of 3	



MODEL	ORDER CODE
PC6ff	Y1002022
• Extra fine bur • Pack of 3	



Ti-Max X450

Special

Unique 45-degree Angled Head Provides Incredible Accessibility

The slim-form Ti-Max X450 series possesses a unique 45-degree angled head specially designed to access hard-to-reach areas for sectioning and extraction of third molars and other impacted teeth. The X450's robust 21 watts of cutting power and effective cooling system - featuring triple water jets - ensure safe and effective treatment during a variety of surgical procedures.

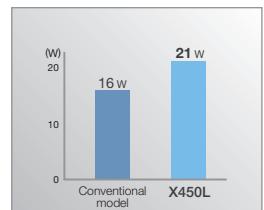


Superior Accessibility

The 45-degree angled head offers excellent accessibility and visibility during root separation procedures and the removal of hard tissue covering impacted third molars.

A Potent 21 W of Cutting Power

NSK's original twin-nozzle head fully transmits the power of the air turbine to the X450's rotor, generating the high torque needed for powerful, consistent cutting.



Triple Water Jets & Cellular Glass Optics

NSK's Triple Water Jet system efficiently bathes the bur at all operating speeds, providing maximum cooling.



The Ti-Max X450 Permits Optimal Access to Molars and a Diverse Range of Operative Procedures.

Mandibular Right Third Molar Extraction



The labial and cheek mucous membranes do not interfere with treatment, and the bur can be maintained at a safe and optimal angle due to no contact on the turbine body. The X450's slim form factor also provides maximum visibility.



Extending the labial or cheek mucous membranes is hard, which makes feel delicate tactile sense while cutting difficult. Maintaining the bur at an optimal angle and direction is also problematic.

Ti-Max X450 Special



Titanium Body with Scratch
Resistant DURACOAT
45° Angle Head
Cellular Glass Optics
Ceramic Bearings
Clean Head System
Push Button Chuck
Triple Water Jet



Power : 21 W
: 18 W (except X450L)
Speed : 380,000-450,000 min⁻¹
Head Size : ø11.2 x H 13.5 mm
• For FG extra-long burs (25 mm) only

NSK Couplings	Optic	MODEL	ORDER CODE
	●	X450L	P1078
KaVo® Coupling	Optic	MODEL	ORDER CODE
	●	X450KL	P1079
Sirona® Coupling	Optic	MODEL	ORDER CODE
	●	X450SL	P1080
W&H® Coupling	Optic	MODEL	ORDER CODE
	●	X450WLED*	P1082
Bien-Air® Coupling	Optic	MODEL	ORDER CODE
	●	X450BLED*	P1081

*Compatible Turbines with Integral LED

Washable in the
thermosanitizer

135°C
Autoclavable
up to 135°C

Pana-Max2

Basic



Unsurpassed Durability

Built to Excel in Clinical Situations.

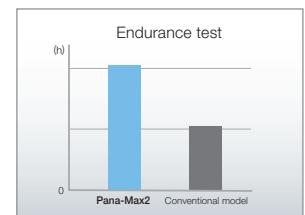
Featuring a Scratch-resistant Stainless Steel Body and Sturdier Turbine Head.

Thanks to its uniquely designed shock-resistant head design, Pana-Max2's turbine rotor won't get damaged even if dropped from two meters onto a concrete floor.



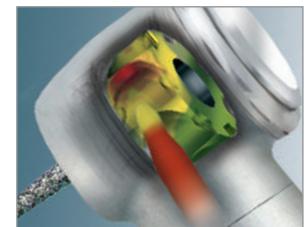
Exceptional Longevity.

Newly designed bearing structure with greater wear resistance and extended lifespan.



30% Power Boost

Pana-Max2 is dramatically more powerful than its predecessors thanks to the combination of NSK's air turbine simulation technologies. Rated at a maximum of 20 watts, this new model boasts the highest power rating in its class. That concentrated power, along with the bur's high rotational accuracy, creates a synergistic effect that ensures fast, precise treatments.



Pana-Max2 Basic



Stainless Steel Body
 Ceramic Bearings
 NSK Ultra Push Chuck
 Single Spray
 Clean Head System
 Simple Cartridge Change
 Anti-Retraction Valve^(M4/B2)
 Air Pressure Regulating Valve^(M4/B2)



Speed : 350,000-450,000 min⁻¹
 Head Size : ø11.2 x H 13.4 mm

NSK Couplings	MODEL	ORDER CODE
	Pana-Max2 PTL	P1211
KaVo® Coupling	MODEL	ORDER CODE
	Pana-Max2 KV	P1212
Midwest 4 hole (Direct-connect / Screw-on Type)	MODEL	ORDER CODE
	Pana-Max2 M4	P1154
Borden 2 hole (Direct-connect / Screw-on Type)	MODEL	ORDER CODE
	Pana-Max2 B2	P1155

Pana-Max PLUS Basic



Stainless Steel Body
 Ceramic Bearings
 Clean Head System
 Push Button Chuck
 Quattro Spray
 Anti-Retraction Valve(M4/B2)
 Air Pressure Regulating Valve(M4/B2)



Miniture Head
 Speed : 380,000-450,000 min⁻¹
 Head Size : ø10.6 x H 12.4 mm

Standard Head
 Speed : 340,000-410,000 min⁻¹
 Head Size : ø12.1 x H 13.3 mm

Washable in the
thermodisinfector

Autoclavable
up to 135°C

Midwest 4 hole
 (Direct-connect / Screw-on Type)



Head	MODEL	ORDER CODE
Miniature	PAP-MU M4	P1021
Standard	PAP-SU M4	P1022

Borden 2 hole
 (Direct-connect / Screw-on Type)



Head	MODEL	ORDER CODE
Miniature	PAP-MU B2	P1023
Standard	PAP-SU B2	P1024

*Light source integrated

Washable in the
thermodisinfector

Autoclavable
up to 135°C



CONTRA-ANGLES

	Ti-Max Z	Ti-Max Z45L	Ti-Max nano	Ti-Max X	S-Max M	FX series
Ti-Max Z95L						
Ti-Max Z45L						
Ti-Max nano95L						
Ti-Max X95L						
S-Max M95L						
FX25m						

Grade	PREMIUM	SPECIAL	SPECIAL	ADVANCED	ADVANCED	BASIC
Body	Titanium	Titanium	Titanium	Titanium	Stainless	Stainless
DURAGRIP	●	●	●	●		
Anti Heat System	●	●	●	●		
Ceramic Bearings	●	●	●	●	●	
Cellular Glass Optics	●	●	●	●	●	
Clean Head System	●	●	●	●	●	●
Push Button Chuck	●	●	●	●	●	●
Water Spray	Quattro	Quattro	Quattro	Quattro	Quattro	
Two-Way Spray Function	●	●				
Microfilter	●	●	●	●		
Ergo Grip	●	●	●	●	●	●

*The data in the table are only valid for red contra-angle handpieces with standard head. The data do not apply to blue and green handpieces and contra-angles. contra-angle handpieces.

Ti-Max Z

Premium





ADVANCED TECHNOLOGY

Amazingly Silent Operation

Amazing silence and minimal vibration: The marriage of micro-precision parts and gears has lowered noise and vibration even more to provide comfort for clinicians and patients alike.



Anti Heat System (Z95L, Z85L, Z84L)

Our proprietary Anti Heat System dramatically reduces the heat typically experienced with speed increasing contra-angles. This feature improves patient safety without compromising manoeuvrability.

Two-Way Spray Function

The world's first two-way spray function allows you to instantly choose between a mist or jet spray depending on the conditions and procedure. The water jet spray prevents subcutaneous emphysema in surgical procedures, and the mist spray effectively cools the bur while cutting.

DURABLE

A Stunningly Durable and Reliable Handpiece

NSK has combined advanced design and world-class processing technology to create incredibly durable instruments. NSK's advanced technologies have boosted sterilization resistance, delivering even better reliability for dental practices.

COMFORT

The Ultimate in Handpieces

The Result of Invaluable Clinical Feedback

The handpiece is more user-friendly, cleaner, and safer. By reviewing everything from the shape of the instrument, to hygiene aspects and safety features using the most advanced technologies, we have made the contra-angle more ergonomic and comfortable for the clinician and safer for the patient, reducing stress for clinicians and patients alike. Only NSK's Ti-Max Z premium range offers these unique features.

OUTSTANDING OPERABILITY

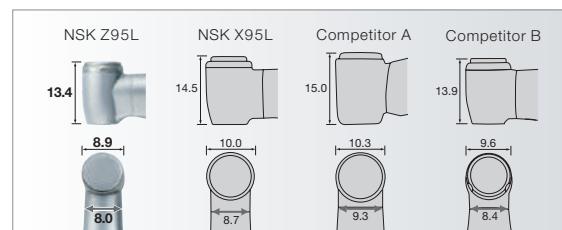
The Smallest Head*

The head is angled 2° more than on the X95L for much better visibility and accessibility even for molars and other areas that are difficult to treat.

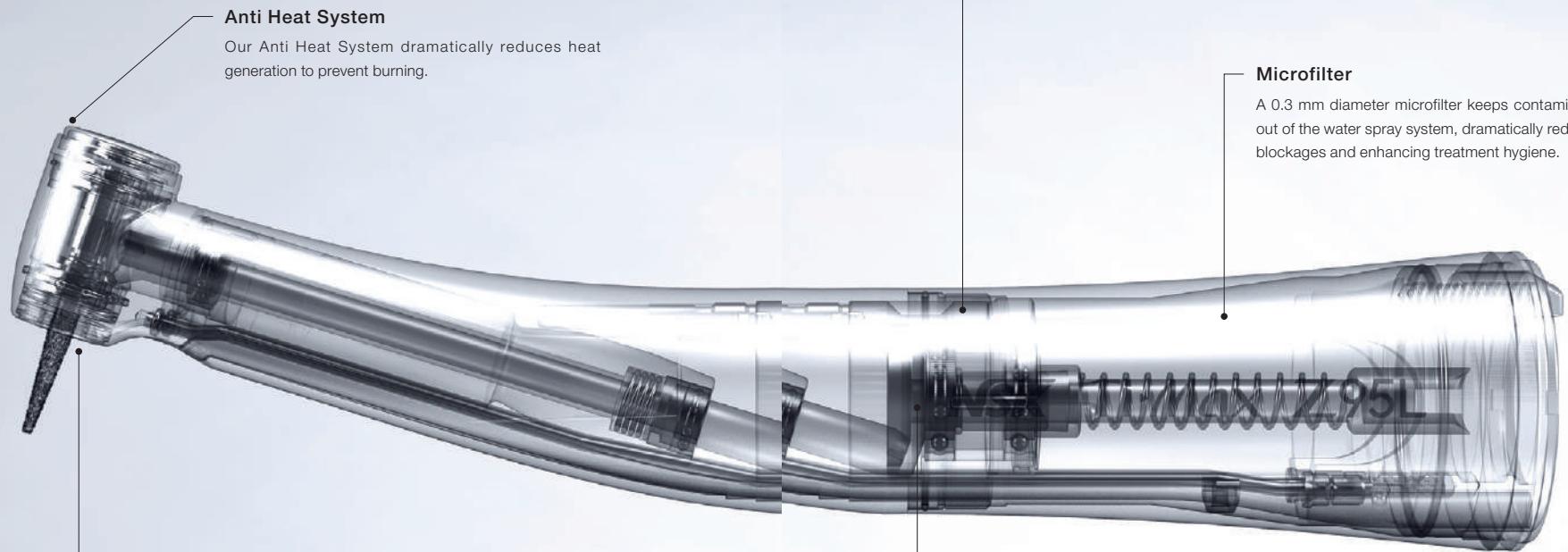
*Compare with our previous model and products offered by other manufacturers.

The Slimmest Neck

The slimmer neck provides much better visibility compared to existing products, delivering wide visibility of all treatment areas.



TECHNOLOGY & FUNCTION

**Anti Heat System**

Our Anti Heat System dramatically reduces heat generation to prevent burning.

Clean Head System

The Clean Head System has an anti-suck back mechanism that stops blood and foreign matter from entering the head from the oral cavity. As a result, the ball bearings and mechanical parts last longer.

DURAGRIP

The unique non-slip, non-scratch surface treatment improves durability and ensures a comfortable grip.

Microfilter

A 0.3 mm diameter microfilter keeps contaminants out of the water spray system, dramatically reducing blockages and enhancing treatment hygiene.

Amazing Silence and Minimal Vibration

The marriage of micro-precision parts and gears has lowered noise and vibration even more.

Ti-Max Z Premium

- Titanium Body with Scratch Resistant DURAGRIP • Cellular Glass Optics
- Push Button Chuck • Clean Head System (Excludes Z24L) • Microfilter



- Quattro Spray (with two way spray function)
- Max Speed: 200,000 min⁻¹
- For FG burs (ø1.6)
- Ceramic Bearings
- Anti Heat System



Optic	MODEL	ORDER CODE
1:5 Increasing	● Z95L	C1034



Head size comparison
Z85L offering extraordinary
visibility and accessibility.



- Single Spray
- Miniature Head
- Max Speed: 200,000 min⁻¹
- For FG burs (ø1.6)
- Ceramic Bearings
- Anti Heat System

*Short Shank burs only

Optic	MODEL	ORDER CODE
1:5 Increasing	● Z85L	C1062



Head size comparison
Z84L offering extraordinary
visibility and accessibility.



- Quattro Spray (with two way spray function)
- Miniature Head
- Max Speed: 180,000 min⁻¹
- For FG burs (ø1.6)
- Ceramic Bearings
- Anti Heat System

*Short Shank burs only

Optic	MODEL	ORDER CODE
1:4.5 Increasing	● Z84L	C1135

Washable in the
thermodisinfector

135°C Autoclavable
up to 135°C



- Single Spray (with two way spray function)
- Max Speed: 40,000 min⁻¹
- For CA burs (ø2.35)



Optic	MODEL	ORDER CODE
1:1 Direct Drive	● Z25L	C1038



- Single Spray
- Miniature Head
- Max Speed: 40,000 min⁻¹
- For CA burs (ø2.35)



Optic	MODEL	ORDER CODE
1:1 Direct Drive	● Z24L	C1126

- Single Spray (with two way spray function)
- Max Speed: 10,000 min⁻¹
- For CA burs (ø2.35)



Optic	MODEL	ORDER CODE
4:1 Reduction	● Z15L	C1039

- Single Spray
- Max Speed: 2,500 min⁻¹
- For CA burs (ø2.35)



Optic	MODEL	ORDER CODE
16:1 Reduction	● Z10L	C1040

Washable in the
thermodisinfector

135°C Autoclavable
up to 135°C

Ti-Max Z45L

Special



45-degree Angled Head Supplies Superior Accessibility and Maximum Visibility

The world's first 45-degree contra-angle, Ti-Max Z45L provides effortless access to hard-to-reach molars that a standard contra-angle simply can't match. The slim-form Ti-Max Z45L also offers excellent visibility and high operability, creating more space between adjacent teeth and the handpiece body. Ti-Max Z45L's powerful and consistent cutting shortens treatment time for time-consuming sectioning and third-molar extractions compared to standard contra-angles, dramatically reducing stress for both clinicians and patients.



Superior Accessibility

The 45-degree angled head allows easy access to the molar region, minimizing interference from the front teeth and adjacent teeth.



Sectioning a Mandibular Left Impacted Third Molar



Caries Removal from a Maxillary Left Lateral Incisor's Cervical Area



Caries Removal from a Maxillary Left Second Premolar on Palatal Side



Clarifying the Root Canal Orifice of a Mandibular Right Second Premolar



Mist



- Titanium Body with Scratch Resistant DURAGRIP
- 45° Angle Head
- Cellular Glass Optics
- Ceramic Bearings
- Clean Head System
- Push Button Chuck
- Quattro Spray (with two way spray function)
- Microfilter
- Anti Heat System
- For FG burs (ø1.6)
- Max Speed: 168,000 min⁻¹

Optic	MODEL	ORDER CODE
1:4.2 Increasing	● Z45L	C1064

Washable in the thermodisinfector

Autoclavable up to 135°C

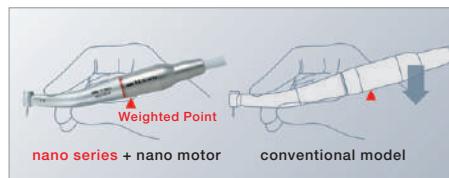
Ti-Max nano

Special



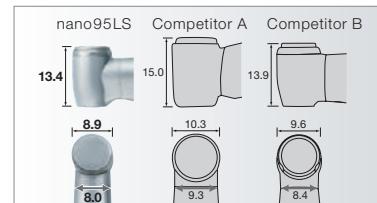
Shorter, Perfectly Balanced

Shorter, lighter and perfectly balanced, "nano series" instruments are designed to be natural extensions of the clinician's hand, ensuring smoother procedures. Even during implant operations that require delicate and precise movements, a "nano series" faithfully mirrors the user's intent. NSK continues to challenge the limits of manufacturing and pioneer next-generation contra-angles.



Smaller and Slimmer

nano95LS has smaller head and slimmer neck dimensions.



Outstanding Durability

The nano95LS gear shapes have been designed using High Spec 3D simulation software to achieve optimal results in terms of durability and noise level minimization.

Series instruments are compatible with NSK motor line up (NLX nano, NLX plus, NBX, NBX N, X205L and SGL70M micromotors) and other motors with insert less than 23 mm.

Ti-Max nano Special

- Titanium Body with Scratch Resistant DURAGRIP
- Cellular Glass Optics
- Clean Head System
- Push Button Chuck (Excludes nano65LS)
- Microfilter



- Quattro Spray
- For FG burs (ø1.6)
- Ceramic Bearings
- Anti Heat System
- Max Speed: 200,000 min⁻¹

Optic	MODEL	ORDER CODE
1:5 Increasing	●	nano95LS C1099

Straight Handpiece



- Single Spray
- For HP burs (ø2.35)*
- For CA burs (ø2.35)*
- Max Speed: 40,000 min⁻¹

*Need to insert the supplied bur stopper

Optic	MODEL	ORDER CODE
1:1 Direct Drive	●	nano65LS H1048



- Single Spray
- For CA burs (ø2.35)
- Max Speed: 40,000 min⁻¹

Optic	MODEL	ORDER CODE
1:1 Direct Drive	●	nano25LS C1100

- Single Spray
- For CA burs (ø2.35)
- Max Speed: 10,000 min⁻¹

Optic	MODEL	ORDER CODE
4:1 Reduction	●	nano15LS C1101

Washable in the
thermodisinfector

135°C Autoclavable
up to 135°C

Ti-Max X

Advanced



- Titanium Body with Scratch Resistant DURAGRIP
- Cellular Glass Optics
- Clean Head System
- Push Button Chuck (Excludes X65L / X65)
- Microfilter (Excludes X65L / X65)



- Quattro Spray • For FG burs (ø1.6)
- Ceramic Bearings
- Anti Heat System
- Max Speed: 200,000 min⁻¹



	Optic	MODEL	ORDER CODE
1:5 Increasing	●	X95L	C600
	—	X95	C610



- Single Spray
- For CA burs (ø2.35)
- Max Speed: 40,000 min⁻¹



	Optic	MODEL	ORDER CODE
1:1 Direct Drive	●	X25L	C601
	—	X25	C611

- Single Spray
- For CA burs (ø2.35)
- Max Speed: 10,000 min⁻¹



	Optic	MODEL	ORDER CODE
4:1 Reduction	●	X15L	C602
	—	X15	C612

Straight Handpiece

- Single Spray
- For HP burs (ø2.35)
- For CA burs (ø2.35)*
- Max Speed: 40,000 min⁻¹

*Need to insert the supplied bur stopper



	Optic	MODEL	ORDER CODE
1:1 Direct Drive	●	X65L	H273
	—	X65	H274

Washable in the thermodisinfector

Autoclavable up to 135°C

CONTRA-ANGLES

- Titanium Body with Scratch Resistant DURAGRIP • Cellular Glass Optics
- Microfilter (Excludes X57L / X57 / X95EX) • Clean Head System
- Push Button Chuck



- Single Spray • For CA burs ($\phi 2.35$)
- Max Speed: 4,000 min⁻¹

Optic	MODEL	ORDER CODE
10:1 Reduction	● X12L	C606

External Water Spray



- Ceramic Bearings • Quattro Spray
- For FG burs ($\phi 1.6$) • Max Speed: 200,000 min⁻¹

Optic	MODEL	ORDER CODE
1:5 Increasing	— X95EX	C1072

Endodontic Handpiece



- Single Spray • For Hand File & Engine File
- 60° Twist • Push Button Chuck
- Max Speed: 4,000 min⁻¹

Optic	MODEL	ORDER CODE
10:1 Reduction	● X35L	C620
— X35		C624
MODEL		ORDER CODE
QF Adaptor	C877701	

Prophylaxis Handpiece



Special Dust Proof

- For Screw-in Cups and Brushes
- 360° Rotation • w/o Spray
- Max Speed: 2,500 min⁻¹

Optic	MODEL	ORDER CODE
16:1 Reduction	● X57L	C609
— X57		C619



With Tip Lock Mechanism

- Single Spray • For Profin / EVA Tips / Orthodontics File (Shank $\phi 2.36-2.40$ mm) *Metal shank cannot be used.
- Vertical Reciprocating (Stroke Length 1.4 mm)
- Lamineer Tips not included
- Max Speed: 10,000 min⁻¹
- Please keep the rotation speed with your life manufactures designate. (X35L/X35)



Optic	MODEL	ORDER CODE
4:1 Reduction	● X55L	C608
— X55		C618

S-Max M

Advanced



TOUGHNESS

The S-Max M series contra-angles have dramatically improved durability, and feature an updated internal body design and chuck mechanism. They are NSK's next-generation standard - a marriage of ergonomic sophistication and smooth cutting feel. Experience them for yourself.

- Stainless Steel Body
- Cellular Glass Optics
- Clean Head System
- Push Button Chuck (Excludes M65)



- Quattro Spray
- For FG burs (ø1.6)
- Ceramic Bearings
- Max Speed: 200,000 min⁻¹



	Optic	MODEL	ORDER CODE
1:5 Increasing	●	M95L	C1023
	—	M95	C1026



- Single Spray
- For CA burs (ø2.35)
- Max Speed: 40,000 min⁻¹



	Optic	MODEL	ORDER CODE
1:1 Direct Drive	●	M25L	C1024
	—	M25	C1027

- Single Spray
- For CA burs (ø2.35)
- Max Speed: 10,000 min⁻¹



	Optic	MODEL	ORDER CODE
4:1 Reduction	●	M15L	C1025
	—	M15	C1028

Straight Handpiece



	Optic	MODEL	ORDER CODE
1:1 Direct Drive	—	M65	H1008

- Single Spray
- For HP burs (ø2.35)
- For CA burs (ø2.35)*
- Max Speed: 40,000 min⁻¹

*Need to insert the supplied bur stopper

Washable in the thermodisinfector

Autoclavable up to 135°C

FX series

Basic



Integrated Handpieces : Ergonomic :Functional : Reliable

After 35 years of outstanding global success, the classic NSK EX handpiece series has now evolved into a new stage. – NSK FX handpiece series – a modernization of the EX series. The traditional NSK simple design technology, functional reliability, durability, and cost effective pricing still remains, but FX has been updated to an integrated design in response to modern demands.

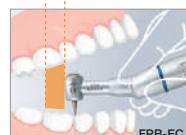
Durable Stainless Steel Body

Stainless is lighter and more durable than brass. Handpiece weight is considerably reduced and ergonomic hand comfort is greatly enhanced with a realistic tactile sense.

Improved Visibility : Ideal Balance

The extra slim head and body design greatly improves direct and indirect visibility to the oral operational field. This includes increased visibility of even difficult access areas in the oral cavity.

The slim, lighter weight design delivers an entirely comfortable ergonomic balance, especially when used in conjunction with the new NSK FX Mini Air motor.



Maximum accessibility

Easy Cartridge Replacement

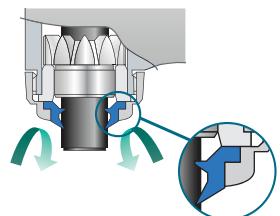
In some instances cartridges are easily replaced in surgery with the accessory tools supplied with the new product. Service costs and downtime are reduced (FX25m).



Clean Head System

The patented NSK Clean Head System is a special mechanism designed to automatically prevent the entry of oral fluids and other contaminants into the handpiece head prolonging the life of the bearings.

(FX25m / FX15m / FX65m)



FX57m Paste Defense System

The prophylaxis handpiece head incorporates the unique NSK Paste Defense System which prevents dust and polishing paste debris from entering the handpiece. In addition, the NSK DLC coating on the rotor prevents possible breakage caused by surface abrasions from the polishing paste. These are some features that illustrate extended FX handpiece durability.

FX series Basic

General Applications Handpiece



- For CA burs (ø2.35)
- Push Button Chuck
- Stainless Steel Body
- Clean Head System
- Ball Bearing
- External Water Spray
- Max Speed: 40,000 min⁻¹

MODEL	ORDER CODE
1:1 Direct Drive FX25m	C1052001



- For CA burs (ø2.35)
- Latch type
- External Water Spray
- Max Speed: 30,000 min⁻¹

MODEL	ORDER CODE
1:1 Direct Drive FX22	C1129001



- For CA burs (ø2.35)
- Push Button Chuck
- Stainless Steel Body
- Clean Head System
- Ball Bearing
- External Water Spray
- Max Speed: 10,000 min⁻¹

MODEL	ORDER CODE
4:1 Reduction FX15m	C1053001

Washable in the
thermodisinfector

135°C Autoclavable
up to 135°C

Endodontic Handpiece



- Miniature Head • For engine files
- Stainless Steel Body
- 360° Rotation
- Push Button Chuck
- External Water Spray
- Max Speed: 1,250 min⁻¹

MODEL	ORDER CODE
16:1 Reduction FX75m	C1055001

Prophylaxis Handpiece



- For screw-in cups and brushes
- Stainless Steel Body
- 360° Rotation • w/o Spray
- Paste Defense System
- External Water Spray
- Max Speed: 5,000 min⁻¹

MODEL	ORDER CODE
4:1 Reduction FX57m	C1054001

Straight Handpiece



- For HP burs (ø2.35), disposable proph angle
- Stainless Steel Body
- Clean Head System
- External Water Spray
- Max Speed: 40,000 min⁻¹

MODEL	ORDER CODE
1:1 Direct Drive FX65m	H1014001

Washable in the
thermodisinfector

135°C Autoclavable
up to 135°C

EX series Basic

Heads for General Application (External Water Spray)

MODEL	ORDER CODE
FPB-Y	C875
• For CA burs (ø2.35) • Clean Head System • Push Button Chuck • Ball Bearing • Max Speed: 40,000 min ⁻¹	

MODEL	ORDER CODE
NM-Y	C247
• Miniature Head • Latch type • For CA burs (ø2.35) • Max Speed: 30,000 min ⁻¹	

MODEL	ORDER CODE
NAC-Y	C032002
• For CA burs (ø2.35) • Latch type • Max Speed: 30,000 min ⁻¹	

MODEL	ORDER CODE
FFB-Y	C884
• For FG burs (ø1.6) • Clean Head System • Push Button Chuck • Max Speed: 40,000 min ⁻¹	

MODEL	ORDER CODE
BB-Y	C037
• For CA burs (ø2.35) • Latch type • Ball Bearing • Max Speed: 40,000 min ⁻¹	

MODEL	ORDER CODE
NRS2-Y	C549
• 10:1 Reduction • For CA burs (ø2.35) • Clean Head System • Push Button Chuck • Max Speed: 3,000 min ⁻¹	

MODEL	ORDER CODE
NBBW-Y	C211
• For CA burs (ø2.35) • Latch type • Ball Bearing • With Water Nozzle • Max Speed: 40,000 min ⁻¹	

Heads for Prophylaxis Application

MODEL	ORDER CODE
AR-Y (S)	C187
• For screw-in cups and brushes • Max Speed: 5,000 min ⁻¹	

MODEL	ORDER CODE
EVA-Y	C235
• For EVA tips • Vertical Reciprocating (Stroke Length 1.4 mm) • Max Speed: 10,000 min ⁻¹	

MODEL	ORDER CODE
AR-Y (K)	C188
• For snap-on cups • Max Speed: 5,000 min ⁻¹	

Heads for Endodontic Application

MODEL	ORDER CODE
MP-Y	C547
• Miniature Head • Push Button Chuck • Max Speed: 20,000 min ⁻¹	

MODEL	ORDER CODE
MPA-Y	C548
• Connection for Apex locator (For long shank) • Miniature Head • Push Button Chuck • Max Speed: 20,000 min ⁻¹	

MODEL	ORDER CODE
MPAS-Y	C882
• Connection for Apex locator (For short shank) • Miniature Head • Push Button Chuck • Max Speed: 20,000 min ⁻¹	

MODEL	ORDER CODE
TEQ-Y	C849
• 80° Twist • For engine files (ø2.35) • Push Button Chuck • Max Speed: 4,000 min ⁻¹	

MODEL	ORDER CODE
TEP-Y	C837
• 60° Twist • For hand files • Push Button Chuck • External Water Spray • Max Speed: 4,000 min ⁻¹	

Shanks

MODEL	ORDER CODE
EC-30	C100008
ECM-30M	C100007

• 1:1 Direct Drive

MODEL	ORDER CODE
ER4	C634
ER4M	C634002

• 4:1 Reduction

MODEL	ORDER CODE
ER10	C635
• 10:1 Reduction	

MODEL	ORDER CODE
ER16	C636
• 16:1 Reduction	

• Shanks and heads are sold separately. You can combine shanks and heads according to your wishes and the indication.



FPB-Y, FFB-Y, NRS2-Y, AR-Y (S), AR-Y (K) and EVA-Y can be washed in the thermodisinfector.



Autoclavable up to 135°C



MP-Y, MPA-Y, MPAS-Y, TEP-Y, ECM-30M, ER4M and ER4 can be washed in the thermodisinfector.



Autoclavable up to 135°C

EX series Basic



- For CA burs (ø2.35)
- Latch type
- External Water Spray
- Max Speed: 30,000 min⁻¹



- For NAC (Optional)

MODEL	ORDER CODE
1:1 Direct Drive NAC-EC	Y110148

MODEL	ORDER CODE
Spray Nozzle	C032701

Straight Handpieces



- For HP burs (ø2.35)
- Clean Head System
- External Water Spray
- Max Speed: 40,000 min⁻¹

MODEL	ORDER CODE
1:1 Direct Drive EX-6B	H260001



- For HP burs (ø2.35), disposable prophylaxis angle
- Clean Head System
- External Water Spray
- Max Speed: 10,000 min⁻¹

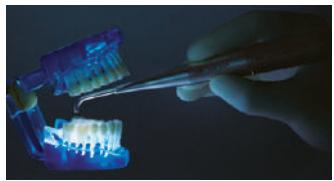
MODEL	ORDER CODE
4:1 Reduction EX-5B	H262



- For FX65, EX-6B, EX-5B (Optional)

MODEL	ORDER CODE
Spray Nozzle	H019711

isoE-LUX Light Probe



- E-Type Optic Motor Connection
- Glass Fiber Optics
- Stainless Steel Body

Optic	MODEL	ORDER CODE
●	isoE-LUX	Z1265



CLINICAL MICROMOTORS



NLX nano



A New Generation of Micromotor as Well Balanced as an Air Turbine

NLX nano has been designed to minimize weight and size to improve the balance of instrument and motor in the hand of the clinician, reducing fatigue during prolonged procedures.

Despite its small size and light weight, the NLX nano is as powerful as traditional micromotors and offers wider range of speeds. Its 180° Vector Control assures smooth and stepless control over the entire speed range.

Thanks to LED illumination, it now delivers 32,000 LUX, natural daylight quality light and assures clearer vision, reducing fatigue during operation.

Feel our quality of NLX nano micromotor.

Perfect Balance

The balance of the motor and instrument combined has been dramatically improved as the weight and size of NLX nano has been reduced drastically.

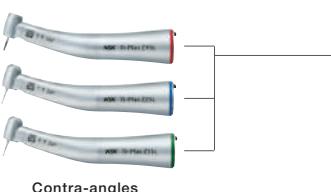
The overall length of instrument and NLX nano micromotor are almost the same as the length of air turbines and couplings, thus enabling practitioners use contra-angles and NLX nano micromotors just like the use of air turbines.



Wider Clinical Applications

NLX nano covers a wide speed range and is compatible with your existing optic and non-optic contra-angles. Combined with a wide range of contra-angles, it covers a speed range of 100 – 200,000 min⁻¹, to make it suitable for any applications.

	100	1,000	2,000	2,500	10,000	40,000	200,000
Z10L 16:1							
Z25L 1:1						2,000–40,000 min ⁻¹	
Z95L 1:5							10,000–200,000 min ⁻¹



NLX nano

- System : 180° Vector Control System
- Motor Type : Sensorless DC Brushless Micromotor
- Motor Speed : 2,000 – 40,000 min⁻¹ (NLX nano U)
: 1,000 – 40,000 min⁻¹ (NLX BF)
- Torque : Max. 3.4 Ncm
- Weight : 61 g (micromotor only)
- Light : White LED

NLX nano

Electric Micromotor Portable System

- Speed : 2,000 – 40,000 min⁻¹, Torque : 3.4 Ncm



Contents

- NLX nano U (Control Unit)
- NLX nano (Motor)
- NLX CD (Cord) • NLAC (AC Adaptor)

Specifications (Control Unit)

Optic	MODEL	ORDER CODE
●	NLX nano S230	Y1001362

Portable System Individual Components



- NLX nano micromotor only (Cord not included)
- Solid Titanium Body
- Autoclavable up to 135°C
- Internal Water Spray
- Brushless



Optic	MODEL	ORDER CODE
●	NLX nano	E1044051

- NLX nano micromotor cord for portable system (2.2 m)



MODEL	ORDER CODE
NLX CD	E1044061

- AC Adaptor for NLX nano micromotor
- For NLX nano portable system only



MODEL	ORDER CODE
NLAC	Y141135

Electric Micromotor Integrated System

- Speed : 1,000 – 40,000 min⁻¹, Torque : 3.4 Ncm



Integrated System Individual Components



- NLX nano micromotor only (Cord not included)
- Solid Titanium Body • Autoclavable up to 135°C
- Internal Water Spray • Brushless



Optic	MODEL	ORDER CODE
●	NLX nano	E1044051

- NLX nano micromotor cord for integrated system (2.2 m)



MODEL	ORDER CODE
nano CDB	E1044066

- Power module with lamp and air function for integrated system
- Dimensions : W 115 x D 68.5 x H 40 (mm)



MODEL	ORDER CODE
NLX BF	Y1002122

- 24 Vac - 32 Vdc converter for integrated system
- Dimensions : W 60.2 x D 81.4 x H 45.2 (mm)



MODEL	ORDER CODE
NLS-A ADP	U1020050

- Selector module for integrated system
- Dimensions : W 68.5 x D 56.5 x H 38.5 (mm)



MODEL	ORDER CODE
NLS-A SEL	Y1001808

- Multi-Control Panel for built-in system
- Dimensions : W 95 x D 138 x H 31 (mm)



MODEL	ORDER CODE
Multi Pad AX (Auto Select)	Y1001846

NLX plus

Electric Micromotor Integrated System

- Speed : 100 – 40,000 min⁻¹, Torque : 4.0 Ncm, with Endo Function
- Internal Water Spray
- BRUSHLESS

Features

- Torque control & Auto reverse feature
- 3 working modes: Auto-reverse on, Auto-stop or Auto-reverse off
- Autoclavable titanium body
- LED illumination
- Installable built-in type conforms to most dental equipment by employing original NLX BF power module



Integrated System Individual Components

LED

135°C

- NLX plus micromotor only (Cord not included)
- Solid Titanium Body
- Autoclavable up to 135°C
- Internal Water Spray
- Brushless



Optic	MODEL	ORDER CODE
●	NLX plus	E1040051

- NLX plus micromotor cord for integrated system (2.2 m)



MODEL	ORDER CODE
plus CD	E1040062

- Power module with lamp and air function for integrated system
- Dimensions with case : W 115 x D 68.5 x H 40 (mm)



MODEL	ORDER CODE
NLX BF	Y1002122

- 24 Vac - 32 Vdc converter for integrated system
- Dimensions : W 60.2 x D 81.4 x H 45.2 (mm)



MODEL	ORDER CODE
NLS-A ADP	U1020050

- Selector module for integrated system
- Dimensions : W 68.5 x D 56.5 x H 38.5 (mm)



MODEL	ORDER CODE
NLS-A SEL	Y1001808

- Multi-Control Panel for built-in system
- Dimensions : W 95 x D 138 x H 31 (mm)



MODEL	ORDER CODE
Multi Pad AX (Auto Select)	Y1001846

NBX

Electric Micromotor Integrated System

- Speed : 60 – 40,000 min⁻¹
- Internal Water Spray
- BRUSH



Optic	MODEL	ORDER CODE
●	NBX iMD Complete Set	Y1002845

Content

- iMD BS (Power Module)
- NBX (Micromotor)
- NBX CDB (Motor Code)

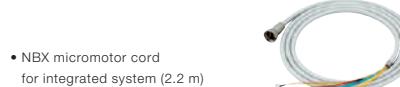
Integrated System Individual Components

LED

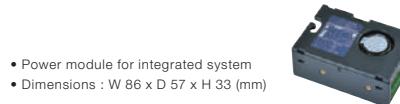


- Micromotor only (Cord not included)
- Solid Titanium Body
- Internal Water Spray
- Brush

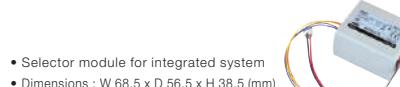
Optic	MODEL	ORDER CODE
●	NBX	E1059051



MODEL	ORDER CODE
NBX CDB	E1059061



MODEL	ORDER CODE
iMD BS	Y1002847



MODEL	ORDER CODE
iMD SEL	Y1002848



MODEL	ORDER CODE
Multi Pad AX (Auto Select)	Y1001846

NBX

Ultracompact LED Electrical Micromotor

Ultracompact and lightweight body as a result of applying the latest materials and know-how

Key Features



- Quiet smooth operation to maximum of 40,000 min⁻¹
- Minimum heat generation
- LED incorporated in micromotor (only NBX OPTIC)
- Solid Titanium outer Body



- Max. 40,000 min⁻¹
- Micromotor only (Cord not included)
- Ultracompact and lightweight outer titanium body
- Internal Water Spray
- Brush

Optic	MODEL	ORDER CODE
●	NBX	E1059051
—	NBX N	E1074051

Motor Cord



Optic	MODEL	ORDER CODE
●	NBX CDB	E1059061
—	NBX N CDB	E1074061

M40 XS

Features



- Quiet smooth operation from 60 to 40,000 min⁻¹
- Minimal heat generation
- Compact and light coreless electric micromotor
- LED illumination is incorporated inside the optic micromotor (M40 XS)
- Titanium body with Scratch Resistant DURACOAT



- Made Shorter and Lighter for Perfect Balance
- Advantages of using - LED light
- Ergonomic Shape
- Internal Water Spray
- Brush

Optic	MODEL	ORDER CODE
●	M40 XS	E1135051
—	M40N XS	E1136051

NSK Motor Cord



- Motor Cord for M40, M40N, M40 LED, M40 XS, M40N XS

MODEL	ORDER CODE
M40-CD	S900100

Multi Pad

Multi-Control Panel for Built-in System

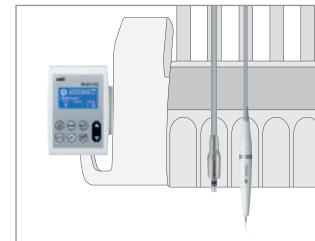


Integrated into Existing Equipment with The Latest Leading Edge Technology

NSK's Multi Pad uniquely enables control of the NLX nano and NLX plus electric micromotors and the Varios 170 ultrasonic scaler in one system. When partnered with Multi Pad, the NLX nano reaches speeds of 1,000 - 40,000 min⁻¹ and delivers a powerful 3.4 Ncm torque, whilst the NLX plus additionally offers 3 user-friendly endo modes; auto-reverse on, auto-stop and auto-reverse off. NSK's Multi Pad can also be used to control all functions of the Varios 170 ultrasonic scaler.

Features

- User friendly LCD display and interface to select settings.
- Visual identification on the display is possible even during operation of the handpiece.
- Up to 8 programs (motor only).
- Supports 5 languages (English, Español, Italiano, Français and Deutsch).



The Integrated System

Electric Micromotor Integrated System (NLX BF) and Multi Function Ultrasonic Scaler (Varios 170) can be controlled with the system.



- Multi Pad Unit
- Angle Plate (Mounting bracket)
- Screws

Multi Pad Complete Sets

MODEL	ORDER CODE
Multi Pad AX (Auto Select)	Y1001846

Specifications

• Input voltage	: DC + 12 V
• Input connect	: 100 mA
• Max. output power	: 1.2 W
• Dimensions	: W 95 x D 138 x H 31 (mm)

Air Motor



Ti-Max X205L

**Shorter and Lighter -
Ergonomic Comfort & Improved Balance**



Advantages

- Shorter and lighter unsurpassed balance Air motor
- 360° Swivel with LED illumination (32,000 LUX)



- 360° Swivel with LED illumination
- 32,000 LUX
- Titanium body with scratch-resistant DURACOAT
- Non-Retraction Valve
- Max Speed: 23,000 min⁻¹ ±10%
- Internal Water Spray



Optic	MODEL	ORDER CODE
●	X205L	M1013

Reduced Size and Weight for Unsurpassed Balance



S-Max M205



- Stainless Steel Body
- Non-Retraction Valve
- Midwest 4 hole
- Max Speed: 22,000 min⁻¹ ±10%
- Internal Water Spray

Optic	MODEL	ORDER CODE
—	M205	M1007

FX205m



- Stainless Steel Body
- Midwest 4 hole
- Max Speed: 22,000 min⁻¹ ±10%
- External Water Spray

Optic	MODEL	ORDER CODE
—	FX205m M4	M1005001



- Stainless Steel Body
- Borden 2 hole
- Max Speed: 25,000 min⁻¹ ±10%
- External Water Spray

Optic	MODEL	ORDER CODE
—	FX205m B2	M1006001

Air Motor Set



Contents

- Air Motor (FX205m)
- Straight handpiece (FX65m)
- Contra-angle handpiece (FX25m)



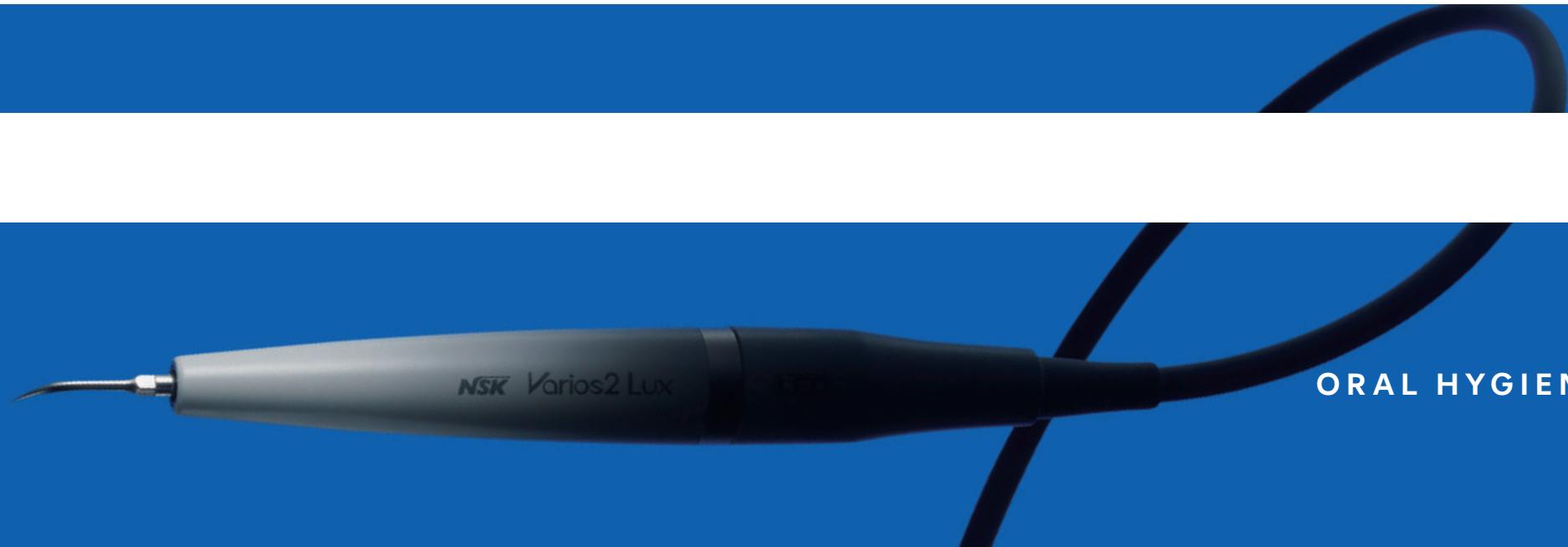
- Midwest 4 hole

Optic	MODEL	ORDER CODE
—	FX205m M4 Set	Y1002752



- Borden 2 hole

Optic	MODEL	ORDER CODE
—	FX205m B2 Set	Y1002753



ORAL HYGIENE

Varios Combi Pro



Two Maintenance Systems in One

Combining ultrasonic scaling and powder therapy for more effective and comfortable oral hygiene and biofilm control.



Innovative New Design Enables Clinicians to Safely and Efficiently Combine Two Applications

Two Systems in One

NSK has combined ultrasonic treatment and powder therapy into a single professional treatment unit that streamlines procedures and saves time and space.

Automatically Sets Powder Therapy Functions for Supragingival or Subgingival Applications

The clinician simply attaches the relevant powder chamber, and the unit automatically selects the functions for supragingival or subgingival applications. This prevents selection errors.

Independent Unit and Chamber

The detachable chamber and handpiece make it possible to easily switch between supragingival and subgingival applications and make the unit extremely user and maintenance friendly.

Keeps Both Powder Types Separate

Separate chambers, handpieces, and handpiece hoses for supragingival and subgingival procedures eliminate the risk of powder mixing or powder entering the control unit.

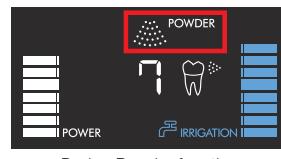
Optimizing Manoeuvrability

Automatic Switching from Ultrasonic to Powder Function

An automatic recognition sensor switches from ultrasonic to powder function when a handpiece is picked up from the holder.



<During Ultrasonic function>



<During Powder function>

Store Previous Settings

The system memory can store such treatment parameters as water volume, air pressure and ultrasonic power settings. Simply pick up the handpiece to switch settings.

*For powder functions, settings change when replacing the chamber.



<When using Supragingival>



<When using Subgingival>

Auto-cleaning function

Auto-cleaning automatically cleans the handpiece and hose after powder or ultrasonic applications. During the cleaning cycle, the display shows the time remaining to complete the process which takes approximately 45 seconds from start to finish.



Multi-Foot Control

Just using the foot the user can switch ultrasonic or powder modes on or off and change power settings. Combined with a hanger, this offers complete hands-free operations.



ULTRASONIC

A Slim Highly-ergonomic LED Handpiece

The ø9.5 mm slim tip of the Varios LUX handpiece makes it easy to operate throughout the entire oral cavity. The slim handpiece facilitates a smooth approach to difficult to access areas such as the molars. This provides freedom of movement in the oral cavity allowing the tip to be applied at the correct angle. The easy to grip ultra-light handpiece reduces strain on the hands and fingers. With a wide spectrum of close to natural light LED illumination, the view is always bright with high recognition capability.



A wide choice of tips

NSK offers more than 80 tips to optimize treatment in various clinical procedures.

iPiezo engine®

The Unique Ultrasonic AI engine Responds Intelligently

"I'd like to be better at scaling", "I'd like an easier way to remove deposits"

We carefully considered the opinions of clinicians in the development of our unique next-generation AI ultrasonic engine which is at the heart of the NSK ultrasonic series. The actions of the operator are transmitted accurately to the tip, as if it were an extension of the hand. This allows treatment to match tooth surface conditions. The result is faster and gentler treatment for patients and at the same time eco friendly as it operates efficiently with low power consumption.

Feedback Function

The NSK iPiezo engine supplies the appropriate power to the tip depending on the condition of the tooth surface. iPiezo engine provides a stable frequency output without dropping the power, even when removing hard calculus.

Auto Tuning Function

The Auto Tuning Function provides stable frequency to the tip at the selected power range. It allows the operator to feel the power output which ensures the optimum result.



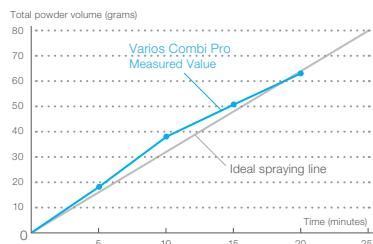
Allows for Steady Scaling

Conventional ultrasonic scalers lose power when moving from soft to hard tartar. The load on the end of the tip is automatically detected by the action of the iPiezo engine allowing for steady scaling without power-loss.



POWDER PROPHY SYSTEM

Cleaning Supragingival Areas Quickly and Efficiently



Stable powder spraying

NSK's expertise in fluid analysis techniques, gained through developing turbines, optimize powder flows inside the chamber, streamlining sprays of powder, water and air to significantly shorten chair times.



User-friendly handpiece and nozzle

The slim handpiece provides excellent accessibility and manoeuvrability

Powder Solution

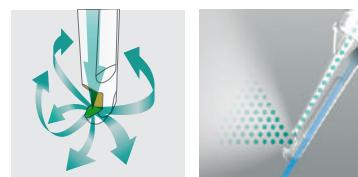
NSK powder solution enables non-contact cleaning even in locations where deposits can't be removed as direct contact equipment tips, such as scalers, cannot reach them.

► P.112



POWDER PERIO SYSTEM

Gently Cleaning Subgingival Areas



Gentle on soft tissue

Separating powder and water during application prevents periodontal damage. Powder flow is directed in all directions to remove subgingival plaque.



Safe plastic nozzle

Because the nozzle tip is flexible, it can follow tooth contours and is easy to insert into pockets thereby minimizing patient discomfort. The material is semi-transparent to help with visibility. The nozzle tips are sterile and individually packaged so they are ready to use.

Wide range of applications

Applications range from quick biofilm removal to cleaning around dental implants and periodontal pockets. With the nozzle tip removed, clinicians can remove plaque from subgingival pockets of up to 3 mm.

Powder Solution

NSK powder solution enables non-contact cleaning even in locations where deposits can't be removed as direct contact equipment tips, such as scalers, cannot reach them.

► P.112

Varios Combi Pro



Varios Combi Pro Basic Set

MODEL	ORDER CODE
Varios Combi Pro Basic Set	Y1002843

Contents

- PROPHY-Handpiece with 60° Nozzle
- PROPHY-Hose
- PROPHY-CHAMBER
- FLASH pearl (5 pcs. x 15 g sachets)
- Maintenance kit
- VA2LUX-Handpiece
- VA2LUX-Hose
- 3 Scaling tips
- Sterilization case
- Irrigation bottle (400 mL)
- Foot control

Optional



MODEL	ORDER CODE
Varios Combi Pro Prophy Set	Y1003771

Contents

- PROPHY-Handpiece
- PROPHY-Hose
- PROPHY-CHAMBER
- 5 x 15 g packs FLASH pearl cleaning powder

*included in the Varios Combi Pro Basic set



MODEL	ORDER CODE
Varios Combi Pro Perio Set	Y1003042

Contents

- PERIO-CHAMBER
- PERIO-Hose
- PERIO-Handpiece
- Perio Mate Nozzle tip
- Perio Mate Nozzle tip remover
- Perio Mate powder

Specifications

- Power Supply : AC 100-240 V 50/60 Hz
- Frequency : 28-32 kHz
- Dimensions : W 225 x D 290 x H 162 (mm) (including chamber)
- Unit weight : 2.6 kg (Except attachment)
- Bottle volume : 400 mL



MODEL	BESTELLCODE
iCart Prophy	S9095

Contents

- Dimensions : W 450 x D 380 x H 660 mm
- Weight : 21 kg

Prophy-Mate neo



Improved Polishing Power

With NSK original twin nozzles, greater polishing power is realized. With powerful jet, cleaning time is greatly shortened thus reduces treatment time.



Antes



Después



Easy Detachable Nozzles with 60° and 80°

Selectable 60° and 80° nozzles maximize the cleaning ability. 60° nozzle works especially well for molar area and occluding surface and 80° nozzle for anterior tooth.



Smooth, Easy 360° Swivel

Twin joints rotate smoothly 360 degrees for easy operability, responding flexibly to minute fingertip movements with effortless adjustment of the nozzle angle.



Simple One-touch Connection

The Prophy-Mate neo is designed for a one-touch attachment to NSK couplings and other major coupling brands. The handpiece also can be attached to the powder case with one-touch operation.



Product Maintenance

The user can easily disassemble the nozzle, handpiece and powder case. Powder clogging is unlikely when handled and maintained correctly but is easy to manage by following the maintenance guidelines and the relevant accessories included with the product.

Powder Solution

NSK powder solution enables non-contact cleaning even in locations where deposits can't be removed as direct contact equipment tips, such as scalers, cannot reach them.

► P.112

Prophy-Mate neo

Supragingival Powder Therapy device



60° and 80° nozzles



Prophy-Mate neo Complete System

	MODEL	ORDER CODE
NSK Coupling	PMNG-PTL-P	Y135029
KaVo® Coupling	PMNG-KV-P	Y135030
Sirona® Coupling	PMNG-SR-P	Y135031
W&H® Roto Quick	PMNG-WH-P	Y135032
Bien-Air® Unifix®	PMNG-BA-P	Y135033
Midwest 4 hole (Direct-connect / Screw-on Type)	PMNG-M4-P	Y135034
Borden 2 hole (Direct-connect / Screw-on Type)	PMNG-B2-P	Y135035

■ No light during use (when using optic coupling).

Contents

- Handpiece with 60° nozzle head
- Powder case
- Replacement nozzle head 80°
- 5 pcs. x 15 g sachets of FLASH pearl cleaning powder
- Maintenance kit

108 Do not wash the powder case or the powder case's cap in a thermo-disinfector.

The handpiece can be washed in the thermodisinfector

135°C Autoclavable up to 135°C

Perio-Mate



Extensive range of applications ranging from supragingival to subgingival use

By removing the Perio Mate Nozzle Tip, the subgingival area up to 3 mm from the gum line that requires the most frequent maintenance can be treated.



Optimize Using Powder Flow Analysis

Turbine development technology uses accumulated fluid analysis which allows 'spraying' that takes into account the powder flow in the pocket. It is not mono-directional, rather the flow is even and all-directional, minimising soft-tissue damage and subgingival plaque and biofilm can be removed efficiently. With respect to potential damage, powder (air) and water are separately discharged onto periodontal tissue.



Slim Nozzle Facilitates Operation in The Narrow Confines of The Oral Cavity

The long, narrow nozzle shape is designed to allow easy access to areas that require inserting the handpiece at an angle, such as between molars.



Smooth 360-degree Rotation for Safe and Accurate Operation

The handpiece can easily be rotated using the fingertips even while performing complex operations. The nozzle tip allows easy access to difficult to reach areas, and does not adversely affect neighbouring teeth and contours.



Powder Flow Volume Adjustment

The Perio-Mate's convenient Powder Control Ring makes fine-tuning powder flow simple and intuitive with quick fingertip adjustments. In addition to easily controlling and stopping the flow of powder in this way, you can cleanse the treatment area from biofilm uninterrupted.



Product Maintenance

The user can easily disassemble the nozzle, handpiece and powder case. Powder clogging is unlikely when handled and maintained correctly but is easy to manage by following the maintenance guidelines and the relevant accessories included with the product.

Powder Solution

NSK powder solution enables non-contact cleaning even in locations where deposits can't be removed as direct contact equipment tips, such as scalers, cannot reach them.

► P.112

Perio-Mate

Subgingival Powder Therapy device
(biofilm eraser)



Perio-Mate Complete System

	MODEL	ORDER CODE
NSK Coupling	PER-PTL-P	Y1002654
KaVo® Coupling	PER-KV-P	Y1002655
Sirona® Coupling	PER-SR-P	Y1002656
W&H® Roto Quick	PER-WH-P	Y1002657
Bien-Air® Unifix®	PER-BA-P	Y1002658
Midwest 4 hole (Direct-connect / Screw-on Type)	PER-M4-P	Y1002659
Borden 2 hole (Direct-connect / Screw-on Type)	PER-B2-P	Y1002660

■ No light during use (when using optic coupling).

Contents

- Handpiece
- Powder case
- Nozzle tip (40 pcs)
- Maintenance kit
- Perio-Mate Powder 160 g × 1

Perio Mate Nozzle Tip

Subgingival Air polishing device for removing biofilm.

Flexible Plastic Nozzle Tip Design Ensures Accessibility and is Gentle to The Pocket

The slim nozzle tip possesses just the right degree of flexibility to pass smoothly over tooth surfaces, and can be easily inserted into tight pockets and the root surfaces of adjacent teeth without causing the patient discomfort.



MODEL	ORDER CODE
Perio Mate Nozzle Tip	Y1002741
Contents	
• 40 pcs per pack	

Powder Solution

For long lasting, beautiful and healthy teeth



Solution	At	For	With
Prophy-Mate neo			
			 FLASH pearl
	Supragingival	Natural tooth Prosthetic tooth (Only SOFT pearl*)	
Varios Combi Pro			
		Supragingival (Gingival margin)	
Perio-Mate		 	 Perio Mate Powder
		Subgingival	

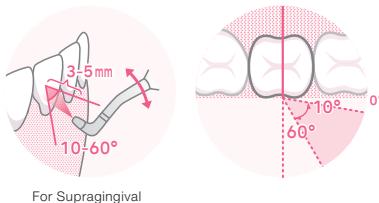
*with some exceptions.

FLASH pearl

Features

- Supragingival application
- Principal ingredient is calcium carbonate. Non-flavoured.
- For all grades of stainings and discolorations; with special efficiency in strong stainings
- Sodium-free, so no unpleasant salty taste and ideal for patients on sodium-restricted diets
- Spherical granules are gentle on tooth surfaces
- Average particle diameter is 54 μm

Usage



MODEL	ORDER CODE
FLASH pearl (Bottle)	Y900698

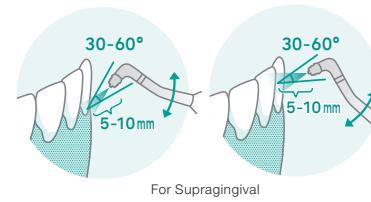
- 4 bottles packed in a box
- Each bottle contains 300 g

Perio Mate Powder

Features

- Subgingival application
- Principal ingredient is glycine, an amino acid present in proteins
- Highly water soluble to prevent subgingival retention
- Lower Mohs hardness than dentin
*Glycine ranks 2 on the Mohs hardness scale, while dentin is 2 to 2.5
- Average powder particle diameter is 25 μm

Usage



MODEL	ORDER CODE
Perio Mate Powder	Y900938

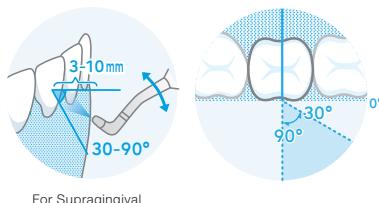
- 2 bottles packed in a box
- Each bottle contains 160 g

SOFT pearl

Features

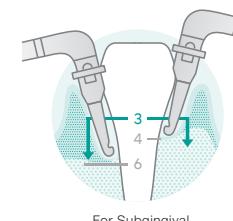
- Supragingival application
- Principal ingredient is glycine, an amino acid present in proteins
- For all grades of stainings and discolorations; with special efficiency in slight to medium stainings
- For heavy users using an amalgam separator or wet suction
- Can be used for primary teeth („milk teeth“)
- Average powder particle diameter 65 μm

Usage



MODEL	ORDER CODE
SOFT pearl	Y1500721

- 4 bottles packed in a box
- Each bottle contains 250 g





The Smart Compact Design Provides High-performance

Large LED Display

The large LED display has a 10 stage numeric power display and bar graph to show the irrigation volume. Beyond this, intuitive layout of operating keys minimize user errors. Power adjustment and function selection can be performed easily and reliably.



Large Solution Bottles

The two bottles can be placed and removed easily and can be used for any type of irrigation to complement treatment. Large 400 mL bottles deliver ample irrigation capacity and reduced chair time. Repeated tests of our components and material studies ensure high durability even when used extensively with antiseptic irrigation solutions.



Improved Durability Against Antiseptic Solutions

The introduction of the resin based water pipe of the bottle, pump and handpiece, assures dramatically improved durability as it substantially reduces the corrosion and rust caused by the residuum of antiseptic solutions.



Auto Cleaning Mode

The Auto Cleaning Mode flushes the tubing, handpiece and tips at the push of a button when required. The two channels can be flushed independently.



Varios 970 Complete Sets

Optic	MODEL	ORDER CODE
●	VA970 LUX	Y1004161
—	VA970	Y1004160

Contents

- Control unit
- Handpiece
- Handpiece cord
- 3 Scaling tips (G4, G8, G16)
- Foot control (FC-70)
- 2 x Irrigation bottles
- 3 x Tip wrench with torque limiter
- AC power cord
- Sterilization case

Specifications

• Power Supply : AC 230 V 50/60 Hz	• Dimensions : W 160 x D 270 x H 190 (mm) (Including Bottle)
• Frequency : 28-32 kHz	• Unit weight : 2.1 kg (Except attachment)
• Max. output : 11 W (G mode)	• Bottle volume : 400 mL (x 2 bottles)

Varios 570

Compact and Versatile

Varios 570 offers three power modes selectable to the tip connected to the handpiece; "G"(general), "E"(endo) and "P"(perio). Power level can be fine-turned within the range of given power mode. In particular, P mode offers minimal yet steady power for more effective periodontic treatment.

Advantages

- Powered by iPiezo engine
- Compact and appropriate-sized body design
- User friendly and intuitive operation control panel



Varios 570 Complete Set

Optic	MODEL	ORDER CODE
●	VA570 LUX	Y1001273

Contents

- Control unit with handpiece cord
- AC adaptor
- Handpiece
- Water filter set
- Water supply connector
- Foot control (FC-70)
- 3 Scaling tips
- Tip wrench with torque limiter

Specifications

• Power Supply	: AC 100-240 V 50/60 Hz
• Frequency	: 28-32 kHz
• Max. output	: 11 W (G mode)
• Dimensions	: W 160 x D 135 x H 65 (mm)
• Unit weight	: 0.43 kg



Varios 370

Compact Multipurpose Control Unit at Your Fingertips

Varios 370 has been especially developed to offer a compact, portable control unit allowing easy installation into any dental unit. It is simple to operate and suitable for a variety of clinical procedures.



Varios 370 Units Installation Examples



On the dental console arm with Stand (optional).



On/Under the dental bracket table with Control Unit Holder



Varios 370 Complete Set

Optic	MODEL	ORDER CODE
—	VA370	Y1001340

Contents

- Control unit with handpiece cord
- Control unit holder
- AC adaptor
- Handpiece
- Handpiece holder
- Water filter set
- Foot control (FC-71)
- 3 Scaling tips
- Tip wrench with torque limiter

Specifications

• Power Supply	: AC 100-240 V 50/60 Hz
• Frequency	: 28-32 kHz
• Max. output	: 11 W (G mode)
• Dimensions	: W 80 x D 115 x H 32 (mm) (without knob and cord)
• Unit weight	: 0.43 kg (without attachment)

Varios 170

Integrated Multi Function Ultrasonic Scaler

Varios 170 is the world's smallest built-in optic control module.

It features the NSK iPlezo engine which ensures stable power output all the times.

The slimmer and extremely lightweight handpiece with twin LED is easily added to the existing handpiece delivery unit and is controlled via the existing foot control.



Sterilization Case

The handpiece, tips and tip wrenches can be sterilized together for your convenience.



Varios 170 Complete Sets

Optic	MODEL	ORDER CODE
●	VA170LUXS8	Y1004145
—	VA170S8	Y1004144

Contents

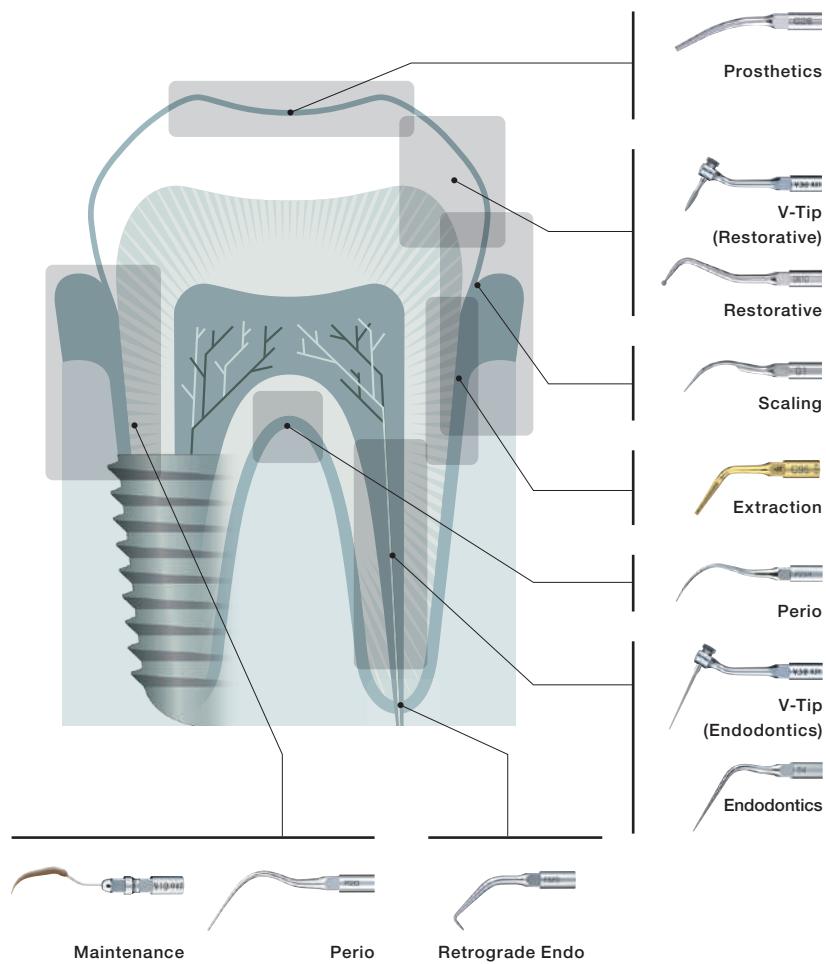
- Built in module
- Handpiece
- Handpiece cord
- 3 Scaling tips (G4, G8, G16)
- 3 x Tip replacement wrench with torque limiter

Specifications

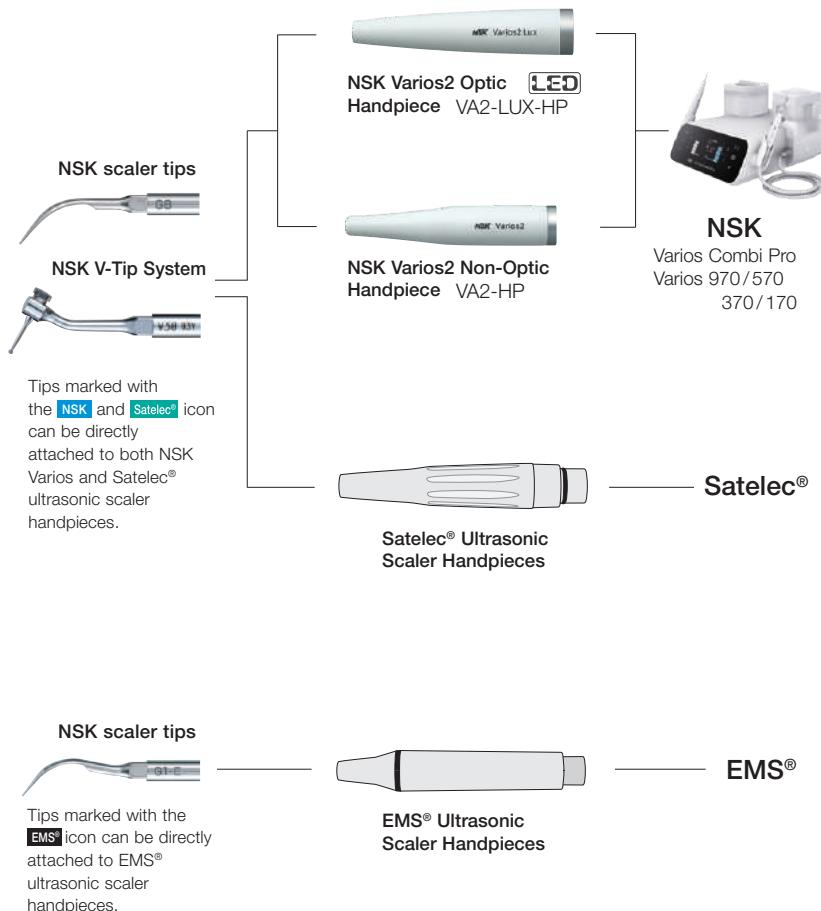
• Power Supply	: AC 24 V ±10%
• Frequency	: 28-32 kHz
• Max. output	: 11 W
• Dimensions	: W 63 x D 54 x H 26 (mm)
• Module weight	: 59 g

Ultrasonic Scaler Tips

NSK Offers a Wide Choice of Varios Ultrasonic Scaler Tips for Clinical Applications.



NSK tips fit Varios2 ultrasonic scaler handpieces as well as Satelec® ultrasonic scaler handpieces. NSK make a number of tips which will fit on EMS® ultrasonic scaler handpieces.
The following is a guide to illustrate all NSK Varios tips, their applications and connectivity.



Scaling

Cross
Section
Diagram

MODEL	ORDER CODE
NSK Satelec® G1	Z217101
EMS® G1-E	Z291101

MODEL	ORDER CODE
NSK Satelec® G2	Z217102
EMS® G2-E	Z291102

MODEL	ORDER CODE
NSK Satelec® G3	Z217103
EMS® G3-E	Z291103

MODEL	ORDER CODE
NSK Satelec® G4	Z217104
EMS® G4-E	Z291104

MODEL	ORDER CODE
NSK Satelec® G5	Z217105

MODEL	ORDER CODE
NSK Satelec® G6	Z217106

MODEL	ORDER CODE
NSK Satelec® G8	Z217108

MODEL	ORDER CODE
NSK Satelec® G9	Z217109

MODEL	ORDER CODE
NSK Satelec® G11	Z217411

Scaling

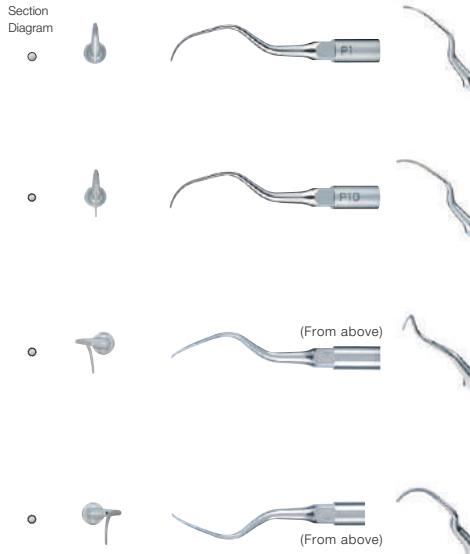
Cross
Section
Diagram

MODEL	ORDER CODE
NSK Satelec® G12	Z217412

MODEL	ORDER CODE
NSK Satelec® G13	Z217413

MODEL	ORDER CODE
NSK Satelec® G16	Z217120

Perio (Root Planing)

Cross
Section
Diagram

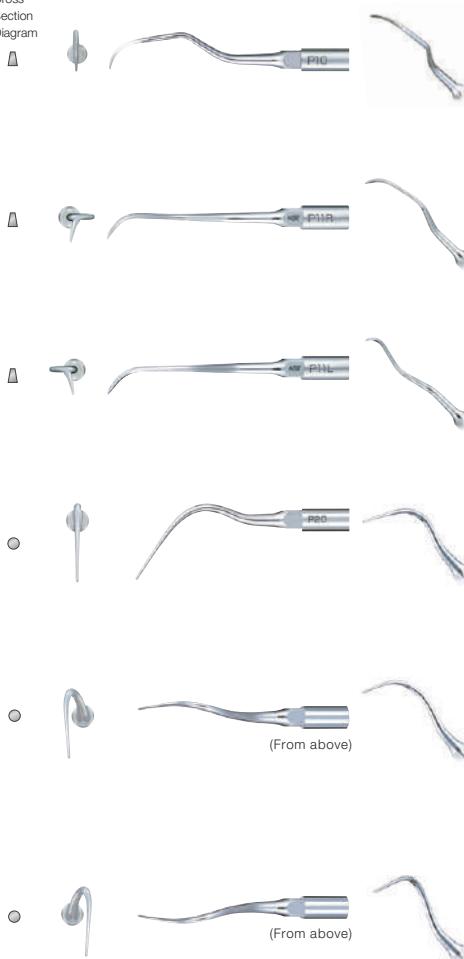
MODEL	ORDER CODE
NSK Satelec® P1	Z217404

MODEL	ORDER CODE
NSK Satelec® P1D	Z217405

MODEL	ORDER CODE
NSK Satelec® P2D	Z217402

MODEL	ORDER CODE
NSK Satelec® P3D	Z217403

Perio (Root Planing)

Cross
Section
Diagram

MODEL ORDER CODE

NSK Satelec® P10 Z217410

- Sharp edge

MODEL ORDER CODE

NSK Satelec® P11R Z217408

- Sharp edge
- Right curved type

MODEL ORDER CODE

NSK Satelec® P11L Z217409

- Sharp edge
- Left curved type

MODEL ORDER CODE

NSK Satelec® P20 Z217420

EMS® P20-E Z291420

MODEL ORDER CODE

NSK Satelec® P21R Z217422

EMS® P21R-E Z291422

- Right curved type

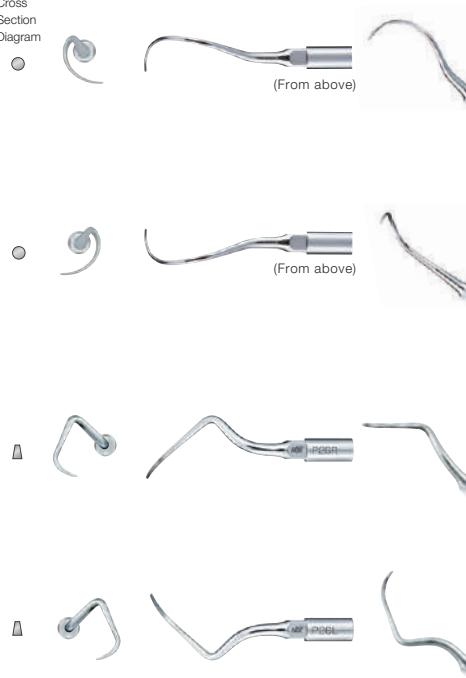
MODEL ORDER CODE

NSK Satelec® P21L Z217421

EMS® P21L-E Z291421

- Left curved type

Perio (Root Planing)

Cross
Section
Diagram

MODEL ORDER CODE

NSK Satelec® P25R Z217424

EMS® P25R-E Z291424

- Right curved type

MODEL ORDER CODE

NSK Satelec® P25L Z217425

EMS® P25L-E Z291425

- Left curved type

MODEL ORDER CODE

NSK Satelec® P26R Z217426

- Right curved type

MODEL ORDER CODE

NSK Satelec® P26L Z217427

- Left curved type

Perio (Irrigation and Cleaning)

Cross
Section
Diagram

MODEL ORDER CODE

NSK Satelec® P40 Z217550

- Tip diameter $\phi 0.6$ mm

MODEL ORDER CODE

NSK Satelec® P41 Z217555

- Tip diameter $\phi 0.8$ mm

Maintenance (V-Tip)

Perio-Control



MODEL	ORDER CODE
NSK Satelec® V10	Z217041

- Includes E-Tip replacement wrench
- Plastic Tip is not included

For the maintenance of prostheses and implants. Produced from special material to allow safe debridement without causing damage to metals and implants.

Cross Section Diagram



MODEL	ORDER CODE
V-P10	Y900184

- Pack of 3
- V10 holder is not included

V-P12 is a longer version of the popular V-P10 tip. It serves a wide range of applications, including the maintenance of implants and other prosthetic devices. Its shape offers easy access to all treatment areas.

Cross Section Diagram



MODEL	ORDER CODE
V-P12	Y1002167

- Pack of 3
- V10 holder is not included



V-P10

V-P12

V-P11R

V-P26R

Maintenance (V-Tip)

V-P11R/L left and right are double bent tips. This tip is extra long to easily access difficult to reach areas and to avoid interference with neighbouring teeth or contours. Its shape was designed to best fit different tooth morphologies, making this a versatile tip for a wide range of uses from anterior teeth to premolars.

Cross Section Diagram



(From above)

Cross Section Diagram



(From above)

MODEL	ORDER CODE
V-P11R	Y1002165

- Right curved type
- Pack of 3
- V10 holder is not included

MODEL	ORDER CODE
V-P11L	Y1002166

- Left curved type
- Pack of 3
- V10 holder is not included

V-P26R/L is a double-bent tips. The wide angles offer access to areas that cannot be reached with V-P11R/L tips or other conventional instruments. These tips are ideally suited to access the distal surfaces of molars and corner areas as, the end of the tip fits tooth morphology very closely.

Cross Section Diagram



Cross Section Diagram



MODEL	ORDER CODE
V-P26R	Y1002168

- Right curved type
- Pack of 3
- V10 holder is not included

MODEL	ORDER CODE
V-P26L	Y1002169

- Left curved type
- Pack of 3
- V10 holder is not included

Endodontics



MODEL	ORDER CODE
NSK Satelec® E4	Z217428

- For root canal cleaning

MODEL	ORDER CODE
NSK Satelec® E4D	Z217528

- Diamond coated
- For root canal enlargement

MODEL	ORDER CODE
NSK Satelec® E5	Z217305

- Water not required
- For lateral condensation

MODEL	ORDER CODE
NSK Satelec® E6	Z217306

- Water not required
- For lateral condensation

MODEL	ORDER CODE
NSK Satelec® E7	Z217307

- Water not required
- For removal of filling and foreign material

MODEL	ORDER CODE
NSK Satelec® E7D	Z217317

- Diamond coated
- For enlargement of root canal wall

Endodontics



MODEL	ORDER CODE
NSK Satelec® E8	Z217308

- Water not required
- For removal of filling and foreign material

MODEL	ORDER CODE
NSK Satelec® E8D	Z217318

- Diamond coated
- For enlargement of root canal wall

MODEL	ORDER CODE
NSK Satelec® E15D	Z217319

- Diamond coated
- For locating root canals and removal of calcifications

Endodontics

120° Angle Holder for U files



MODEL	ORDER CODE
NSK Satelec® E11	Z217031

- For U files (ø0.8 mm)
- For root canal cleaning
- For anterior teeth • File is optional

95° Angle Holder for U files



MODEL	ORDER CODE
NSK Satelec® E12	Z217032

- For U files (ø0.8 mm)
- For root canal cleaning
- For posterior teeth
- File is optional

MODEL ORDER CODE

U files 33 mm / #15 Y900062

- ISO 15 • Pack of 6

MODEL ORDER CODE

U files 33 mm / #20 Y900063

- ISO 20 • Pack of 6

MODEL ORDER CODE

U files 33 mm / #25 Y900064

- ISO 25 • Pack of 6

MODEL ORDER CODE

U files 33 mm / #30 Y900065

- ISO 30 • Pack of 6

MODEL ORDER CODE

U files 33 mm / #35 Y900066

- ISO 35 • Pack of 6

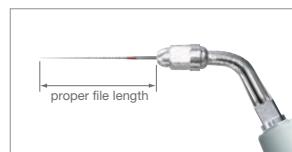
Each pack of E11, E12 or V30 includes 1 x E Tip replacement wrench.

Replacement wrench is not included when ordering other tips.

Please order the replacement wrench separately in this instance.

Always refer to this reference chart to ensure correct and accurate proper file length to avoid file breakage.

	#15	#20	#25	#30	#35
E11	22 mm	24.5 mm	22 mm	22 mm	22 mm
E12	22 mm	24.5 mm	24.5 mm	24.5 mm	22 mm



Retrograde Endo

Cross Section Diagram



MODEL	ORDER CODE
NSK Satelec® E30RD	Z217212

- Diamond coated
- For posterior teeth (right angled)



MODEL	ORDER CODE
NSK Satelec® E30LD	Z217213

- Diamond coated
- For posterior teeth (left angled)



MODEL	ORDER CODE
NSK Satelec® E31D	Z217210

- Diamond coated
- For anterior and posterior teeth (70°)



MODEL	ORDER CODE
NSK Satelec® E32D	Z217211

- Diamond coated
- For anterior teeth (90°)



Extraction

Because the tip and the bilateral edges of the G95 tip are sharp it can be inserted without applying excessive force. Furthermore, because the abrasion of the periodontal ligaments using the tip creates a space between the tooth root surface and alveolar bone, tooth extraction can be conducted without injuring the bone around the root.

Features

- Access to a surgical site is improved by thinning the tip apex shape and sharpening both edge flanks.
- Adhesion areas of periodontal membrane can be removed smoothly.
- Tooth removal can be performed smoothly so that patient discomfort can be reduced.
- Approaches from angles hard to reach with hand instruments are also possible.

Root extraction

(upper left No. 2 tooth removal)

Tooth extraction is possible without excessively cutting the alveolar bone around the remaining root, retaining the morphology of the alveolar bone.



Impacted tooth

(lower left No. 8 tooth removal)

The use of the tip prior to extraction will mobilise the tooth and make extraction easier.



Be careful not to apply excessive force, as in cases of using elevators.
Nishikawa-guchi dental clinic

Cross Section Diagram



MODEL ORDER CODE

G95 **Z217705**

- TiN coating • 0.7 mm thick
- A double edge, which is sharp in three directions

Restorative (For Minimal Intervention)



MODEL ORDER CODE
G61D **Z217601**

- Diamond coated



MODEL ORDER CODE
G62D **Z217602**

- Diamond coated



MODEL ORDER CODE
G65D **Z217605**

- Diamond coated



MODEL ORDER CODE
G66D **Z217606**

- Diamond coated



MODEL ORDER CODE
G67D **Z217607**

- Diamond coated



MODEL ORDER CODE
G68D **Z217608**

- Diamond coated

Condensation



MODEL	ORDER CODE
G21	Z217010

- Water not required
- For anterior teeth
- 3 caps supplied



MODEL	ORDER CODE
Tip Cap	Y140751

- Autoclavable
- For G21 / G22 (Pack of 10)

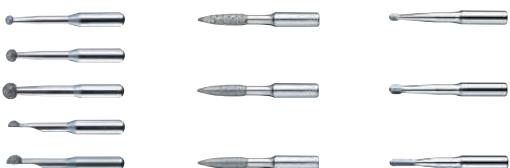
Varios V-TIP System



NSK Varios V-TIP holder system is innovative, multi-functional and economical. The V-TIP holder is a separate component to the actual cutting tips and can be easily and inexpensively replaced. NSK V-TIP holder system offers the flexibility and expandability to meet the wide requirements for multi-purpose clinical applications.

Restorative P.142-143

- For Minimal Intervention
- For Finishing / Trimming / Polishing
- For Caries Removal



Endodontics P.141

- For Root Canal Cleaning
- For Root Canal Enlargement



Ni-Ti Irrigation



Maintenance P.130-131

- For Prostheses or Implant Maintenance
- Perio-Control



V30
120° Angle type



V10
Straight

Endodontics V-Tip



V-Tip Holder



NSK
Satelec®

MODEL	ORDER CODE
V30	Z217030

- Tip is optional

- For root canal cleaning 17 mm • Pack of 3

- For root canal cleaning 23 mm • Pack of 3

- For root canal cleaning 26 mm • Pack of 3

- For root canal cleaning 32 mm • Pack of 3

- Diamond coated
- For root canal enlargement 17 mm • Pack of 3

- Diamond coated
- For root canal enlargement 23 mm • Pack of 3

- Diamond coated
- For root canal enlargement 26 mm • Pack of 3

- Diamond coated
- For root canal enlargement 32 mm • Pack of 3

- Ni-Ti Irrigation 17 mm • Pack of 3

- Ni-Ti Irrigation 21 mm • Pack of 3

MODEL	ORDER CODE
V-S50	Y900169

MODEL	ORDER CODE
V-S51	Y900170

MODEL	ORDER CODE
V-S52	Y900171

MODEL	ORDER CODE
V-S53	Y900172

MODEL	ORDER CODE
V-S50D	Y900173

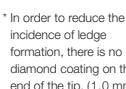
MODEL	ORDER CODE
V-S51D	Y900174

MODEL	ORDER CODE
V-S52D	Y900175

MODEL	ORDER CODE
V-S53D	Y900176

MODEL	ORDER CODE
V-N50	Y900182

MODEL	ORDER CODE
V-N51	Y900183



* In order to reduce the incidence of ledge formation, there is no diamond coating on the end of the tip. (1.0 mm)

Each pack of E11, E12 or V30 includes 1 x E Tip replacement wrench. Replacement wrench is not included when ordering other tips. Please order the replacement wrench separately in this instance.

Restorative (For Minimal Intervention)



MODEL	ORDER CODE
V30	Z217030

• Tip is optional



MODEL	ORDER CODE
V-G70	Y900118

• Diamond coated • Pack of 3



MODEL	ORDER CODE
V-G71	Y900119

• Diamond coated • Pack of 3



MODEL	ORDER CODE
V-G72	Y900120

• Diamond coated • Pack of 3



MODEL	ORDER CODE
V-G75	Y900121

• Diamond coated • Pack of 3



MODEL	ORDER CODE
V-G76	Y900122

• Diamond coated • Pack of 3

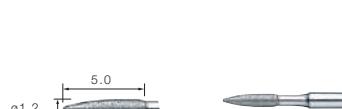
Each pack of E11, E12 or V30 includes 1 x E Tip replacement wrench. Replacement wrench is not included when ordering other tips. Please order the replacement wrench separately in this instance.

Restorative (For Finishing / Trimming / Polishing)



MODEL	ORDER CODE
V30	Z217030

• Tip is optional



MODEL	ORDER CODE
V-G77	Y900165

• Diamond coated
• Normal Grade • Pack of 3

MODEL	ORDER CODE
V-G78	Y900166

• Diamond coated
• Fine Grade • Pack of 3

MODEL	ORDER CODE
V-G79	Y900167

• Diamond coated
• Super Fine Grade • Pack of 3

Restorative (For Caries Removal)



MODEL	ORDER CODE
V30	Z217030

• Tip is optional

MODEL	ORDER CODE
V-S1	Y900161

• Stainless Tip • Pack of 3

MODEL	ORDER CODE
V-S3	Y900162

• Stainless Tip • Pack of 3

MODEL	ORDER CODE
V-S33	Y900163

• Stainless Tip • Pack of 3

Tip Kits

Application PERIO



MODEL	ORDER CODE
NSK Satelec [®]	Perio Kit A Y900144

Contents

- P1D, P2D, P3D, P10 : 1 pc. each
- Tip holder : 1 pc.

Application PERIO

Furcation and curved root face



MODEL	ORDER CODE
NSK Satelec [®]	Perio Kit B Y900145

Contents

- P20, P25R, P25L : 1 pc. each
- Tip holder : 1 pc.

Application MAINTENANCE

For Prostheses or Implant Maintenance



MODEL	ORDER CODE
NSK Satelec [®]	Perio-Control Tips Starter Kit Y1002606

Contents

- V10 holder : 1 pc.
- V-P11R, V-P11L, V-P12, V-P26R, V-P26L : 1 pc. each
- E Tip replacement wrench : 1 pc.

Application ENDODONTICS

For anterior root canal irrigation



MODEL	ORDER CODE
NSK Satelec [®]	Endo Kit E11 Y900146

Contents

- E11 : 1 pc. 120° angle holder for anterior teeth
- E Tip replacement wrench : 1 pc.
- U files 33 mm #15, #20, #25, #30, #35 : Pack of 6 each size

Includes 5 types of U files (ø0.8 mm) plus 120° angle holder

Tip Kits

Application ENDODONTICS

For posterior root canal irrigation



MODEL	ORDER CODE
NSK Satelec [®]	Endo Kit E12 Y900147

Contents

- E12 : 1 pc. 95° angle holder for posterior teeth
- E Tip replacement wrench : 1 pc.
- U files 33 mm #15, #20, #25, #30, #35 : Pack of 6 each size

Application ENDODONTICS

4 kinds of Retrograde Root filling tips



MODEL	ORDER CODE
NSK Satelec [®]	Retro Kit Y900149

Contents

- E30RD, E30LD, E31D, E32D : 1 pc. each
- Tip holder : 1 pc.

Application MINIMAL INTERVENTION

Starter kit for Minimal Intervention - with V-Tip holder



MODEL	ORDER CODE
NSK Satelec [®]	MI Starter Kit Y900150

Contents

- V30 V-tip holder : 1 pc.
- E tip replacement wrench : 1 pc.
- V-G70, V-G71, V-G72 : 1 pc. each
- V-S1, V-S3, V-S33 : 1 pc. each
- V-G77, V-G78, V-G79 : 1 pc. each

Ti-Max S970



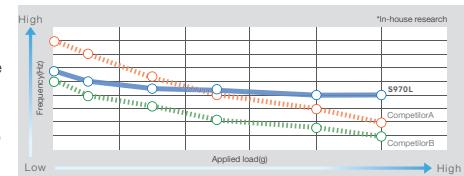
Air Scaler Evolution Supporting a Broad Spectrum of Care

The S970 air scaler offers a wide power range with easy swivel power adjustment and an extensive tip range for a wide variety of applications ranging from general scaling and root canal irrigation to minimally invasive procedures. The wide range of applications, comfortable grip and ease of maintenance makes the S970 air scaler the instrument of choice for dentists and hygienists alike.

A titanium body and sleek, seamless design make the S970 really comfortable to hold even during long procedures whilst allowing for excellent visibility of the operating site at all times.

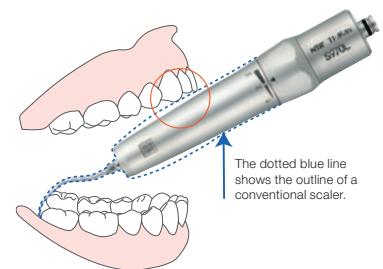
Steady Power Supply to The Tip

S970 air scalers provide stable power output and constant oscillating movement across the entire power range at approximately 6,000 Hz. S970 air scalers are extremely gentle and therefore very popular in cases involving perio or high sensitivity.



Excellent Visibility

The sleek design of the S970 allows for unrestricted visibility of the treatment area and excellent access to even the most hard to reach areas.



Smooth and Easy Power Control Ring

NSK Power Ring offers three different power level settings for diverse clinical needs. While the gentle minimum mode is for delicate procedures, the maximum power mode is good for general scaling.



APPLICATIONS	TIPS	POWER RING SETTING
Scaling	S1, S2, S3	1 → 3
Perio	S10, S20, S21R, S21L	1 → 3
Perio (Maintenance Tip)	S35+V-Tip (V-P10, V-P11R, V-P11L, V-P12)	1 → 3
Restorative (For Preparation of crown cores)	S81D, S82D, S83D, S86D, S71D, S72D	1 → 3
Restorative (For Minimal Intervention)	S65D, S66D, S67D, S68D	1 → 3
V-TIP SYSTEM (Endodontics)	S75+V-Tip (V-U15-V-U35)	1 → 2

The above power level is standard. Please start using from a low level to correspond to the symptoms.

Ti-Max S970



- Titanium Body with Scratch Resistant DURACOAT
- 3 level Power Ring
- Frequency of oscillation : 5,800-6,200 Hz
- Cellular Glass Optics



Includes 3 tips (S1, S2 & S3),
Tip Wrench (CR-20) and
Tip Cover (L)

Washable in the
thermodisinfector

135°C Autoclavable
up to 135°C

Connect to NSK Couplings	Optic	MODEL	ORDER CODE
	●	S970L	T1005
	—	S970	T1020
Connect Direct to KaVo® Coupling	Optic	MODEL	ORDER CODE
	●	S970KL	T1013
Connect Direct to Sirona® Coupling	Optic	MODEL	ORDER CODE
	●	S970SL	T1015

Washable in the
thermodisinfector

135°C Autoclavable
up to 135°C

AS2000

- Frequency of oscillation : 5,600-6,000 Hz
- Includes 3 tips (S1, S2 & S3), Tip Wrench (CR-20) and Tip Cover (L)



Optic	MODEL	ORDER CODE
—	AS2000 M4	T698

• For Midwest 4 hole • Weight : 67 g



Optic	MODEL	ORDER CODE
—	AS2000 B2 / B3	T697

• For Borden 2/3 hole • Weight : 64 g

Air Scaler Tips

Scaling

Cross
Section
Diagram



Perio

Cross
Section
Diagram



MODEL ORDER CODE

S1 **Z252411**

- Universal Type

MODEL ORDER CODE

S2 **Z252413**

- Sickle Type

MODEL ORDER CODE

S3 **Z252412**

- Perio Type

MODEL ORDER CODE

S10 **Z252420**

- Universal Type Slim Line

MODEL ORDER CODE

S20 **Z252441**

- Root Planning (Straight tip)

MODEL ORDER CODE

S21R **Z252442**

- Root Planning (Right curved tip)

MODEL ORDER CODE

S21L **Z252443**

- Root Planning (Left curved tip)

Washable in the
thermodisinfector

135°C
Autoclavable
up to 135°C

Maintenance (V-Tip)



V-Tip Holder

Cross
Section
Diagram



Air Scaler Kit



MODEL ORDER CODE

Perio-Control Tips Air Scaler Kit **Y1002754**

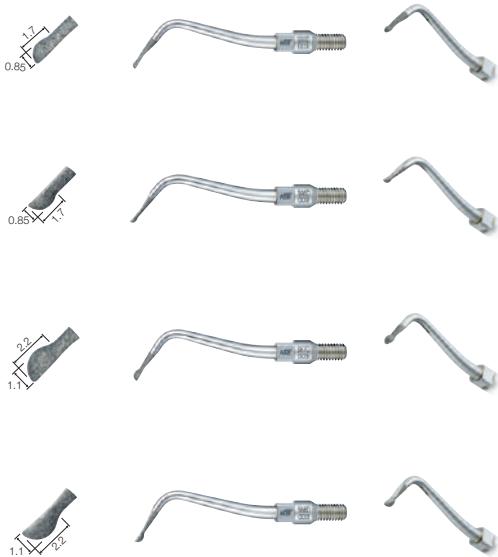
- S35 holder : 1 pc.
- V-P10, V-P11R, V-P11L, V-P12 : 1 pc. each
- Includes E-Tip replacement wrench

Washable in the
thermodisinfector

135°C
Autoclavable
up to 135°C

Restorative (For Minimal Intervention)

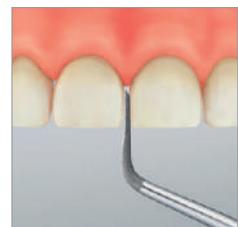
Unlike rotary instruments these tips oscillate and are designed to only cut on one surface allowing minimally invasive site preparation and thereby greatly reducing the risk of damaging adjacent teeth and soft tissue. The spherical shape of these tips make them suitable for delicate adjustments as well as caries removal in the cervical and interproximal region.



S65D



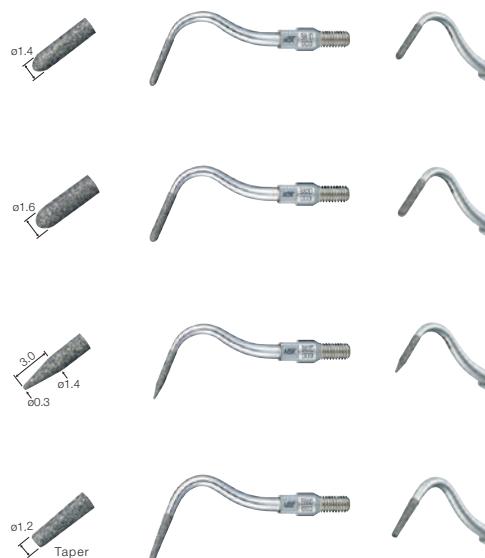
S81D



S72D

Restorative (For Preparation of Crown Cores)

The tips can be used for finishing margins after prepping the area with a conventional dental bur. That enables you to finish minute sharp edges and gingival sulcus without damage, something that cannot be accomplished with rotary instruments alone. Three types of tips are available for deep chamfer, light chamfer and shoulder work, respectively.



These tips are safe sided and flat for minimal mesial or distal preparations.



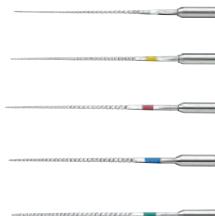
V-TIP System



NSK V-Tip system is innovative, multi-functional and economical. The V-Tip holder is a separate component to the actual cutting tips and can be easily and inexpensively replaced. NSK V-Tip holder system offers the flexibility and expandability to meet the wide requirements for multi-purpose clinical applications.

Endodontics

P.157



S75
120° Angle type

Maintenance

P.153

- For Prostheses or Implant Maintenance
- Perio-Control



S35
Straight

Endodontics V-Tip



V-Tip Holder



MODEL	ORDER CODE
S75	Z252035

- Includes E-Tip replacement wrench

MODEL	ORDER CODE
V-U15	Y900177

- V-file Irrigation 23 mm #15
- ISO 15 • Pack of 6

MODEL	ORDER CODE
V-U20	Y900178

- V-file Irrigation 23 mm #20
- ISO 20 • Pack of 6

MODEL	ORDER CODE
V-U25	Y900179

- V-file Irrigation 23 mm #25
- ISO 25 • Pack of 6

MODEL	ORDER CODE
V-U30	Y900180

- V-file Irrigation 23 mm #30
- ISO 30 • Pack of 6

MODEL	ORDER CODE
V-U35	Y900181

- V-file Irrigation 23 mm #35
- ISO 35 • Pack of 6

iProphy

Put control back in your hands

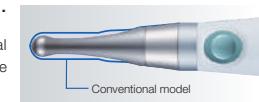


Lightweight and easy to hold.

Designed and developed to include the latest ergonomic features. The lightweight, easy to hold and well-balanced handpiece feels light in the hand even when used for a long time.

An ultra mini head guarantees the best possible field of vision.

The thin, long ultra mini head ensures a wide field of vision within the oral cavity, easy access and excellent reach. Facilitates even smoother and more precise treatment.



Simple operating controls.

Control at your fingertips (no foot-control required). iProphy easily maintains low speed rotation, which can be difficult with conventional contra-angles.

Simple and clean user interface.

Allowing procedures to be stress-free. Also has a large and easy to operate ON/OFF key.



iProphy Complete Set

MODEL	ORDER CODE
iProphy Complete set	Y1500015

Contents :
 • iProphy Motor handpiece • iFX57 Head
 • iProphy Stand • AC ADAPTOR • F-Type Spray Nozzle

iProphy without Head

MODEL	ORDER CODE
iProphy W/O	Y1500069

Contents :
 • iProphy Motor handpiece • iProphy Stand
 • AC ADAPTOR • F-Type Spray Nozzle

iProphy Heads



MODEL	ORDER CODE
Reduction 4:1	iFX57
Reduction 4:1	PR-F

Washable in the
thermodisinfector

135°C
Autoclavable
up to 135°C



ENDO-MATE TC2



Stress free for more comfort

Cordless handpiece delivers freedom of movement. Lightweight, ergonomic design.

Mini head & Slim neck

Miniature head allows access even to the most difficult to reach areas. Slim neck assures higher visibility.



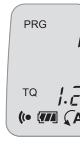
Program function

User definable 5 presets - Speed, Torque, Gear Ratio & Auto Reverse mode. Last program settings can be memorized when the power turns on.

▼ Program function



Rotation speed



Torque



Gear ratio

Safety for delicate endodontic treatment

Smart Auto Reverse & Alarm Function for safer endodontic procedures. The feedback circuit keeps stable rotation even when the load on the motor handpiece changes. Power turns off automatically to improve safety and save energy. Calibration function for more precise rotation speed and torque setting.



ENDO-MATE TC2 Complete Set

MODEL	ORDER CODE
ENDO-MATE TC2	Y1001027

Contents :

- MP-F16R Head
- ENDO-MATE TC2 Motor
- Battery Charger

ENDO-MATE TC2 Complete MPA Set

MODEL	ORDER CODE
ENDO-MATE TC2 MPA	Y1001028

Contents :

- MPA-F16R Head
- ENDO-MATE TC2 Motor
- Battery Charger

Specifications

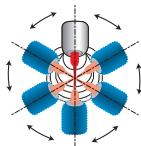
- Speed range : 2,000-9,000 min⁻¹
- Charge : 1.5 h (depending on workload)
- Continuous use : 1.2 h (depending on workload)

The heads can be washed in the thermodisinfector

The heads are autoclavable up to 135°C

ENDO-MATE DT2

smart & portable



6 head angles for ease of treatment

Depending on the position of treatment site, the head angle can be adjusted to the best angle.

Quick coupling

Quick coupling allows for easy head exchange.
All heads are autoclavable up to 135°C.

2-way ON/OFF switch

Features are :
A: Push and release - Micromotor operates continuously until the button is pushed again.
B: Push and hold - Micromotor operates continuously until the button is released.

Compatible all popular brands of Ni-Ti files

Up to 9 settings (speed and torque etc) can be programmed simply by pushing the memory function button. It's easy to switch between each preset program allowing work with all popular Ni-Ti file manufacturer's protocols.

Gear Ratio	Rotation Speed(min ⁻¹)
20:1	100-650
16:1	125-800

Auto reverse function

The auto reverse function activates when the preset torque level has been reached.

2 way power source

ENDO-MATE DT2 has been designed to work with a rechargeable battery for portable use or can be powered using the AC adaptor supplied.

Other function

Beeping sound notifies user when preset torque limit has been reached.

ENDO-MATE DT2 with 20:1 Head

MODEL	ORDER CODE
ENDO-MATE DT2 (230V)	Y1004230

- Control unit
- Motor and Cord
- MP-F20R head (20:1)
- Handpiece stand
- AC Adaptor



*Files are not included.

ENDO-MATE DT2 without Head

MODEL	ORDER CODE
ENDO-MATE DT2 W/O (230V)	Y1004231

- Control unit
- Motor and Cord
- Handpiece stand
- AC Adaptor

Specifications

- Power supply : AC 230 V 50/60 Hz and Battery pack
- Number of Programs: 9
- Max Torque : 7 Ncm (when using 20:1 head)
- Speed range : 100-13,000 min⁻¹ (With 20:1, 1:1 geared heads)
- Charge/Continuous use : 5 h / 2 h (depending on workload)
- Dimensions : W 93 x D 147 x H 100 (mm)
- Weight : Unit 440 g / Motor handpiece and Cord 95 g

ENDO-MATE TC2 / ENDO-MATE DT2 Heads

- Miniature Head • For Ni-Ti files (ø2.35) • Push Button Chuck

Apex Locator Capability

MPAS heads are equipped with built in probe ring which enable to use your Apex locator with the ENDO-MATE TC2 & DT2 systems. By combining an Apex Locator with NSK ENDO-MATE TC2 & DT2, clinicians will be able to perform more accurate root canal preparations. All contra angle heads are autoclavable up to 135°C.

Attach the Apex Locator Monitor by moving it forward to contact the file. Release by moving away from the file.



	MODEL	ORDER CODE
20:1 Reduction	MP-F20R	Y110044
16:1 Reduction	MP-F16R	Y110096
10:1 Reduction	MP-F10R	Y110048

	MODEL	ORDER CODE
20:1 Reduction	MPAS-F20R	Y110046
16:1 Reduction	MPAS-F16R	Y110098

- Connection for Apex locator (for short shank)

Suitable for Use with Most Major Brands of Ni-Ti Files

Rotation Speed (min ⁻¹)	Gear Ratio	Torque Level (Ncm)
200 ~ 900	10 : 1	0.2 ~ 2.2
140 ~ 550	16 : 1	0.3 ~ 3.0
100 ~ 450	20 : 1	0.4 ~ 4.0

iPexII



Features

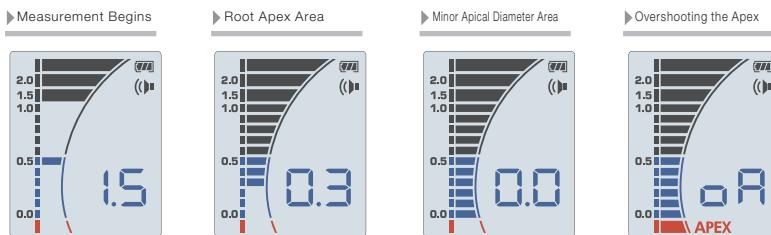
- High-precision root canal measurement generated by using SmartLogic
- Auto-detects the apex accurately in any conditions, dry or wet
- A stylish and compact body requiring only a small space
- 3 different alert sounds depending on the location of the file tip, ensuring precise procedures
- A 3 colour LCD panel with very low reflectivity, allowing clinicians to accurately and instantly monitor procedure progress
- Energy saving and low operation cost

Next-Generation SmartLogic Controller

NSK's SmartLogic controller combines two advanced technologies to accurately analyse signals. iPexII SmartLogic technology removes virtually all signal interference from the root canal itself to precisely detect the location of the apex.

- iPexII SmartLogic alternates between two separate frequencies to take measurements. By reducing the noise that interferes with signal analysis, it generates a high-precision wave system that does not require a filtering circuit.
- iPexII SmartLogic uses the whole wave system to analyse the extracted frequency. This produces steady measurement analysis even under varying conditions in the root canal while retaining a constant link to file insertion progress.

The 3 Colour LCD Visual Monitor Screen



Monitoring the Canal Depth

For integration into Endodontic instruments (ENDO-MATE TC2 / ENDO-MATE DT / Contra-angle)
The NSK endodontics products and iPexII ensure safe, precise and efficient root canal procedures.



iPexII Complete Set

MODEL	ORDER CODE
iPexII Complete Set	Y10022208

Contents • Control unit • iPexII Probe (1.8 m) • iPexII File Clip (3 pcs.) • Lip Hook (3 pcs.)
• AAA manganese dry batteries (3 pcs.) • iPexII Tester

Specifications

• Power Supply: for 1.5 V AAA (LR03 or R03) batteries	• Continuous use: Approx. 60 h
• Dimensions: W 60 x D 60 x H 86 (mm)	• Weight: 76 g (unit without batteries)

Endodontic Handpieces

Ti-Max Ti-ENDO

Endodontic Handpiece with Adjustment Ring

With an easy-to-set adjustment ring, Ti-ENDO provides the precise torque control for sensitive endodontics procedures. Noticeably small head offers great access even in the molar area. Root-canal preparation can not be easier and safer! Applicable to all major brands' Ni-Ti files.

Advantages

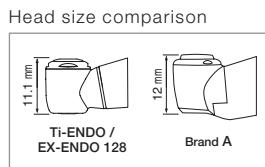
- 4-level of torque settings (0.25, 0.5, 1.0, 3.0 Ncm)
- Exceptionally small head
- Push Button Chuck
- Solid Titanium Body
- For Ni-Ti files (ø2.35)
- 360° Rotation



MODEL	ORDER CODE
128:1 Reduction Ti-ENDO	C589



Power Ring allows power setting at 4 different levels.



EX Series

With one of the smallest heads available to endodontic handpiece, EX-ENDO 128 offers superb access even in the molar area. 128:1 reduction speed helps to provide safe and precise endodontic procedures. The compact body and Push Button Chuck reduces clinician's hand fatigue.



MODEL	ORDER CODE
128:1 Reduction EX-ENDO 128	C592

Advantages

- Exceptionally small head
- Push Button Chuck
- For Ni-Ti files (ø2.35)
- 360° Rotation

Washable in the
thermodisinfector

135°C
Autoclavable
up to 135°C



MOBILE DENTISTRY

Dentalone



Helping You Care. Anywhere.*

Dentalone offers a large range of instruments and extended functionalities, thus practitioners can realise dental treatments outside any dentist's office:



■ NLX nano

Electric Clinical Micromotors

- Smaller and lighter micromotor currently available.



■ Varios2 Lux

Multi Function Ultrasonic Scalers

- iPiezo engine ensures stable power output and performance.



■ Multi Pad

Multi-Control Panel for built-in system

- Visual identification on the display is possible even during operation of the handpiece.

- Illuminated LCD control panel Multi Pad

- 40,000 min⁻¹ autoclavable brushless NLX nano micromotor with LED light, internal water and titanium body
- Integrated multi function ultrasonic scaler Varios 170 with LED light, slim and light weight VA2-LUX-HP handpiece
- 3-way air / water / spray syringe with LED light
- Saliva complete suction
- 500 mL water tank
- 1 Liter waste container



Contents

- 1 Carrying Case
- 1 Water tank for spray
- 1 Tank for vacuum
- Built in compressor
- Built in suction pump
- 1 Variable Foot Control
- 1 Extendable Tablet

Dentalone Complete Set

MODEL	ORDER CODE
Dentalone	S9070

Specifications

- Dimensions : Case with trolley (unpulled trolley handle) : W 351 x D 405 x H 545 (mm)
Case with trolley (pulled trolley handle) : W 351 x D 405 x H 1,075 (mm)
Without case : W 350 x D 405 x H 496 (mm)
- Working height : 766 mm
- Weight with case : 18.5 kg
- Power Supply : AC 100-230 V 50/60 Hz

*Power connection required.



VIVA ace

Wherever Possible

For more comfortable & more advanced home visits for dental treatment

As societies age more rapidly, there is an ever greater need for mobile dental treatment. Today's ageing population keeps more of their natural teeth, which means a wider range of treatments is required nearer to the patient. VIVA ace combines the functionality of a dental treatment centre in a compact body with multipurpose micromotor, ultrasonic scaler and more. Its lightweight build means it is easy to carry and straight forward to set up in different locations. The first of its kind with high-functionality, supports more comfortable dental treatment wherever the patient.



Lightweight and Compact Body



High Functionality, Just Like a Treatment Centre



Straight Forward Set-up and Breakdown



Lightweight and Compact Body

Highly manoeuvrable and lightweight, weighing only 8.6 kg. Its compact size is ideal for stowing in a car, is easily carried up and down stairs and fits into compact spaces. Simple to transport from one patient to another.

The small size has been achieved by making each component lightweight and compact without compromising functionality.



All-in-one Package

A micromotor, ultrasonic scaler, 3 in 1 syringe and suction combined in a single compact body including storage space for all instruments.

**Lightweight at 8.6 kg,*
it can be Taken Anywhere.**



*Weight without handpieces



Highly Functional Portable Dental System Just Like a Treatment Centre

Excellent efficiency and safety are achieved via both the intuitive and highly visible large LCD control panel and the superb functionality provided by each individual instrument. A high functionality system just like a treatment centre.

Advanced Functionality in a Compact Body



Photos are of optional extras.

High Functionality Micromotor

Full endodontic functionality



NLX plus

Multipurpose Ultrasonic Scaler

Comprehensive tip range



Varios2 Lux

Ideally suited for all requirements of state of the art dentistry

	Rotation speed (min ⁻¹)	Torque (Ncm)
General mode	1,000~40,000	4.0
Endodontic mode	100~5,000	0.3~3.0

NSK iPiezo ultrasonic engine

Provides the appropriate power at the tip end adapting to tooth conditions for firm or soft tartar. Safe scaling is possible even when removing hard tartar.

3 in 1 syringe



Lightweight and simple operating 3 in 1 syringe. The syringe nozzle uses a simple quick release mechanism.

Suction



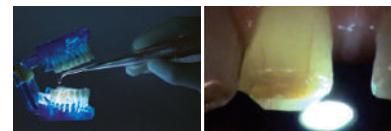
Built in ball leaver valve to adjust suction power.

Light Probe (optional)



isoE-LUX

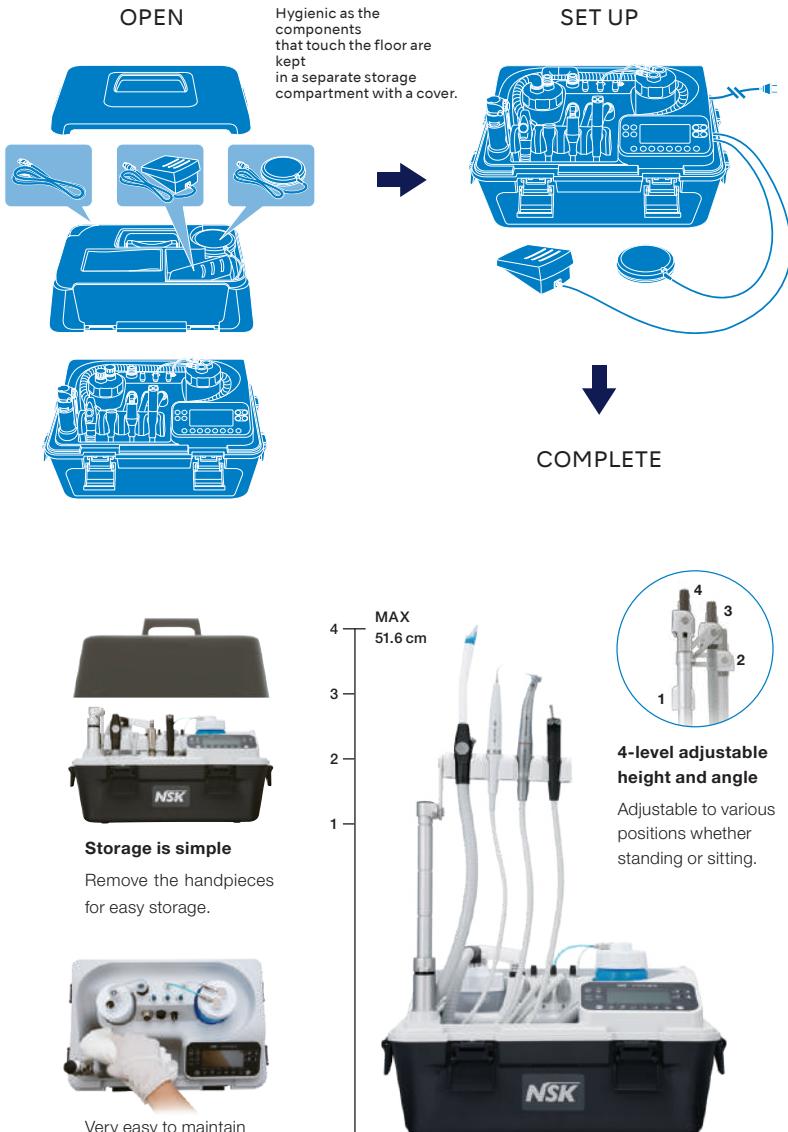
Bright illumination of the oral cavity in any treatment environment. Good accessibility with a slim body that also makes it possible to access hard-to-see areas.





Quick Set up and Storage

Set up and storage is straight forward, simple and quick, making work more efficient and easier. The instrument holders and arm can be set at 4 different levels.



VIVA ace



MODEL	ORDER CODE
VIVA ace 230 Complete Set	Y1003774

Contents

- VIVA ace 230 Basic Set
- VIVA ace Motor Kit
- VIVA ace Scaler Kit

Specifications (Control unit)

- Dimensions : W 462 x D 298 x H 284 (mm)
- Unit weight : 8.6 kg
- Power Supply : AC 100-240 V 50/60 Hz
- Power source input : 130 VA



MODEL	ORDER CODE
VIVA ace 230 Basic Set	Y1003774

Contents

- Control unit
- AC Power Cord
- Foot Control (FC-76S)
- Foot Control (FC-70S)
- Top Case
- V-ace Vacuum Hose Set
- V-ace Vacuum Bottle Set
- V-ace Vacuum Nozzle (10)
- V-ace Water Bottle Set
- V-ace 3 way Syringe Set
- Shoulder Belt



MODEL	ORDER CODE
VIVA ace Motor Kit	E1040002

Contents

- Motor NLX plus • Motor Cord
- Motor Cap • Protection Plug

MODEL	ORDER CODE
VIVA ace Scaler Kit	E351006

Contents

- VA2-LUX Handpiece
- Scaler Cord • Tip (G6, G8)
- Tip Wrench • Tip Holder

VIVAMATE G5



**Portable LED Micromotor;
From Denture Adjustment to General Applications**

Internal Spray LED Micromotor



**Able to Use Both
Rechargeable Battery
and AC Adaptor for The
Compact Control Unit**

Foot Control (Optional)

Conveniently adjust the motor speed by depressing the pedal of the foot control without taking your eyes off the treatment.



Specifications [Control Unit]

- Dimensions : W 72 x D 180 x H 36 (mm)
- Weight : 370 g Charge/Continuous use : 2 h / 1 h (depending on workload)
- Micromotor]
 - Dimensions : ø22 x L 68.6 (mm) • Weight: 148 g (Include Motor cord)
 - Speed: 3,000-30,000 min⁻¹ • Torque: 3 Ncm (30,000 min⁻¹ while rotating)

The compact size micromotor has been specifically developed for mobile dentistry and weights only 148 g (w/cord) and features internal spray and LED light. Although fully portable it performs like an in-surgery system meeting a wide range of clinical requirements and is compatible with your existing contra-angles and straight handpieces¹ helping you to manage the cost of a mobile dentistry set-up.

¹* Conformable to ISO 3964.



Able to operate with rechargeable batteries anywhere. When battery power level is low, just plug in AC adaptor into outlet; bring the unit to patient visits without worry. It is very easy to carry since the control unit is palm-size (W 72 x D 180 x H 36 mm) and weighs only 370 g.

Carrying Case

Comes with a carrying case designed for storing VIVAMATE G5 unit and its attachments.



VIVAMATE G5 Complete Set

MODEL	ORDER CODE
VIVAMATE G5 230V	Y1002801

Contents

- Control unit • Handpiece Stand • Motor (Including Motor Cord)
- AC Adaptor • AC Power Cord • Carrying Case



SURGICAL

Surgic Pro2

×

VarioSurg 4



SYNERGY IN IMPLANTOLOGY

Two devices. One solution. Unlimited potential.

The Bluetooth®-enabled link function* allows for wireless connectivity between the surgical micromotor system, Surgic Pro2, and the ultrasonic bone surgery system, VarioSurg 4, enabling control of both instruments with a single foot control. This integration of both systems with a common interface allows for complete synergy, facilitating a wide range of procedures for simple and stress-free operation. This cohesive design contributes to a more refined and unified system.

*With the Link Stand3 the two units can be safely stacked to save space.



Link Function Easily Connects Two Systems

VarioSurg 4 features built-in Bluetooth® functionality, allowing it to be easily linked with the surgical micromotor system, Surgic Pro2. This enables the operation of both units with one single wireless foot control. Easily switch between the two systems, ensuring a smooth and efficient workflow.



Hands-free Program Adjustments Via Foot Control

Bluetooth® connectivity allows selection of the optimal position without worrying about cable length. The "Coolant Solution Flow Level Button", "Program Button" and "Burst Mode Button" are also located on the foot control which allows you to focus on the treatment.



Large and Clear Display for Enhanced Safety

The user-friendly display clearly indicates which system is active and ensures safe and accurate operation.



With the NSK link stand the two units can be safely stacked to save space.

Surgic Pro2



GO BEYOND

The internationally acclaimed Surgic Pro surgical micromotor system has evolved into "Surgic Pro2".

There are 3 developments, in operation, safety and wireless extensibility.

As well as further improving the basic performance of Surgic Pro, its supreme adaptability in connecting to various external devices offers improved safety, efficiency and operator comfort during treatment.

Professionals depend on the reliability of their equipment on a daily basis. With Surgic Pro2 NSK have taken reliability to the next level.

3 Developments

OPERABILITY

SAFETY

WIRELESS EXTENSIBILITY

OPERABILITY

There are a range of upgrades to ensure even greater comfort during implant treatment. These specifications put the needs of professionals first.

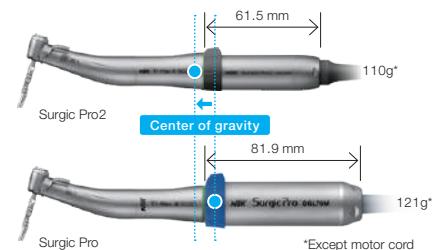


Improved operability A more compact new motor.

Significant size and weight reductions were achieved for the motor with NSK's proprietary micro-motor technology. Operability during treatment has been greatly improved by moving the center of gravity closer to the head of the handpiece. This increases efficiency and alleviates the stress during prolonged operation for strain-free, effortless operation.

Length 24.9% DOWN

Weight 9.1% DOWN



Superb visibility and operability Large color LCD panel

Visibility is guaranteed with the large, back-lit, high-contrast, LCD panel. The display can be adjusted in 10 brightness levels. The display's intuitive and easy-to-understand icons allow for smooth operation.



Easy-clean flat screen display

The sensitivity of the touch panel can be adjusted to reliably respond when surgical gloves and surgical barrier sheets are in use. Ultra narrow bezel of the display makes cleaning easier. The new design takes into account the latest treatment and cross-infection control requirements.

Visibility is significantly improved with the high-resolution color LED.

Use of high-resolution color LED allows blood and gums to be seen as if naturally-lit, thereby providing increased visibility during treatment.

The LED light source generates a minimal amount of heat and has excellent life expectancy.



High color rendering LED Standard White LED

Silent and Smooth Irrigation Pump

The irrigation pump provides consistent and steady flow operating quietly in the background. Irrigation tube set-up is simple and straight-forward and the pump fits seamlessly in the compact and elegant design of Surgic Pro2.



SAFETY

Synonymous with Surgic Pro safer procedures are made possible with increased torque precision combined with the Osseo 100+, measuring the stability of dental implants.



NSK's Drive for Accuracy Ensure Safe Treatment through Accurate Torque Correction

The displayed torque value accuracy is dependent on the state of handpiece bearings and gear abrasion. Surgic Pro2 torque calibration allows for this to be taken into account to display more accurate values.

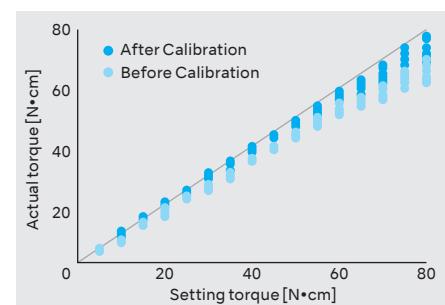
NSK's 'Advanced Handpiece Calibration' (AHC) function corrects the differences in actual handpiece condition using automatic calibration with no load current and load-bearing calibration to achieve accurate torque values for successful implant surgery.

Minimizing the discrepancy between the set torque value and the actual output helps improve treatment outcomes.

Osseo 100+, for more predictable treatment

Osseo 100+ measures implant stability to support decision making about when to load. Especially important when using protocols with shorter treatment time and treating risk patients.

By connecting with the Surgic Pro2 it is possible to share and manage the measured ISQ value on external terminals.



Contactless ISQ value measurement.
There is no additional impact on the implant or abutment.



WIRELESS EXTENSIBILITY

Wireless connection with multiple devices significantly broadens the scope of implant treatment.



Linked with Osseo 100+

Osseo 100+ measures the implant stability quotient contactlessly and can be connected using Bluetooth®, permitting ISQ confirmation over a shared interface. You can share and manage the data of those measured ISQ scores on other terminals through Surgic Pro2. Surgic Pro2 itself offers such high extensibility as like this ISQ function is already equipped inside. It only takes 3 easy steps to use the Osseo 100+.



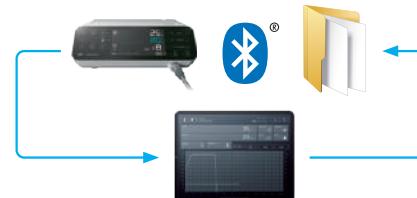
Linked with the "VarioSurg 4" ultrasonic bone surgery system

VarioSurg 4 features built-in Bluetooth® functionality, allowing it to be easily linked with the surgical micromotor system, Surgic Pro2. This enables the operation of both units with one single wireless foot control. Easily switch between the two systems, ensuring a smooth and efficient workflow.



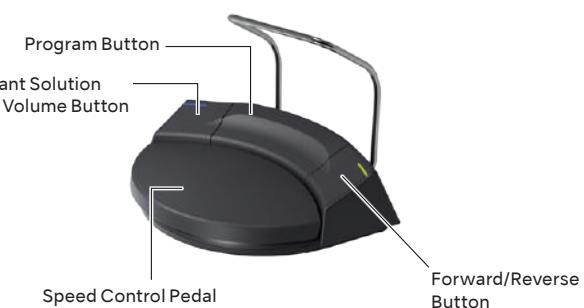
Linked with iPads

Installing a dedicated application and connecting an iPad to the control unit enables real-time display of detailed procedural data, such as the rotation speed and the torque range. Procedural data can also be saved. Data can also be displayed and saved when connecting with Osseo 100+. Traceability data management of procedural details allows implant treatment to be tailored to individual patients.



Linked with a wireless foot control

Bluetooth connectivity allows selection of the optimal position without worrying about cable length. The foot controller is 400g lighter than the previous model (hangar included) making it easy to reposition. You can keep your focus on the treatment. The "Coolant Solution Flow Volume Button", "Program Button" and "Forward/Reverse Button" may be customized using the 3 installed buttons allowing the operator to choose their preferred mode of operation. The energy-efficient power supply uses 3 AAA batteries, which last about 6 months. A flashing light indicates when the batteries are running low.



Surgic Pro2



Complete Set with X-SG20L

Optic	MODEL	ORDER CODE
●	Surgic Pro2 OPT	Y1004195

Contents

- Control Unit
- SGL80M Optic Micromotor
- X-SG20L Optic Handpiece (20:1 Reduction)
- FOOT CONTROL WIRELESS
- Irrigation tube (Pack of 3) and other accessories

Specifications :

Control Unit with AHC	Micromotor	FOOT CONTROL WIRELESS
• Power Supply: AC 100-240V 50/60 Hz	• Torque: 5-80 Ncm	• Foot Control Functions: Coolant Solution
• Max. Pump Output: 75 mL/min	• Motor Speed: 200-40,000 min ⁻¹	Flow Volume Button, PRG(Program)
• Programs: 8 Programs / Implant Systems	• Light Power: over 32,000 LUX (Optic	Button, Forward/Reverse Button, Speed
• Dimensions: W 245xD 235xH 90 (mm)	Micromotor)	Control Pedal

Complete Set with SG20

Optic	MODEL	ORDER CODE
—	Surgic Pro2 NON-OPT	Y1004196

Contents

- Control Unit
- SG80M Non-Optic Micromotor
- SG20 Handpiece (20:1 Reduction)
- FOOT CONTROL WIRELESS
- Irrigation tube (Pack of 3) and other accessories

OPTION

FOOT CONTROL

Wireless foot control for Surgic Pro2



MODEL	ORDER CODE
FC-81	Z1401001

Link Stand3

with the Link Stand3 the Surgic Pro2 and VarioSurg 4 can be safely stacked to save space.



MODEL	ORDER CODE
Link Stand3	ZA16230001

Sterilisation Cassette

Designed for processing the NSK surgical motor/cord and surgical handpieces.

- Dimensions : W 279 x D 183 x H 34 (mm)



MODEL	ORDER CODE
SG-CASE	S900040

iCart Duo

The Surgic Pro2 and VarioSurg 4 surgical systems and their accessories are efficiently and functionally housed in specialist carts.



MODEL	ORDER CODE
iCart Duo	S9090

Carrying Case for Surgic Pro2

Carrying case for components and accessories of Surgic Pro2

- Dimensions : W 534 x D 427 x H 207 (mm)



MODEL	ORDER CODE
Carrying Case	Y1004219



Calibration

NSK's Drive for Accuracy Ensures Safe Treatment Through Accurate Torque Correction



Maintaining Accurate Torque with AHC

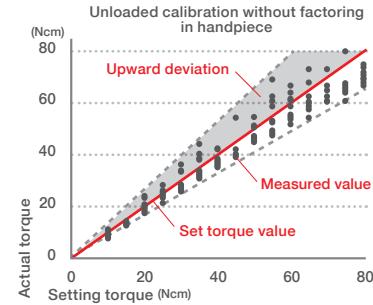
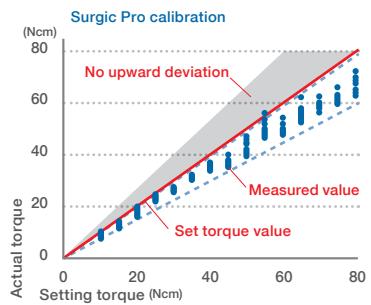
NSK's proprietary Advanced Handpiece Calibration (AHC) ensures the correct torque value required for specific treatments.

There is normally a small misalignment between pre-set and actual torque values owing to friction between bearings and contra-angle gear. AHC corrects this misalignment to guarantee accurate torque values.

High-precision Calibration

Unloaded, loaded and speed level adjustments improve the precision of calibration, which can be according to handpiece usage.

NSK's Safe Calibration Approach Factors in Handpiece Usage Conditions



An Advanced Surgical Motor for Demanding Clinical Environments

NSK developed the Surgic Pro SGL70M by analyzing feedback from clinicians to ensure that this 5th generation surgical micromotor satisfies professional requirements. The light and compact Surgic Pro SGL70M features an LED light for high visibility, with up to 80 Ncm of torque for diverse surgical procedures, paving the way for an advanced treatment environment.

LED Optics for Safer, More Accurate Treatment

NSK LEDs generate natural daylight-quality light to illuminate the treatment area, enabling more precise surgery and shortened operation times. The lights increase safety because they do not overheat and are long-lasting.



Optic	MODEL	ORDER CODE
●	SGL70M	E1023
—	SG70M	E1025

- Solid titanium body
- with Cord 2 m

Compact Body and Large LCD Display

The compact control unit features a sophisticated design including a large, high visibility backlight LCD panel and intuitive control buttons to contribute a safer and user friendly working environment.

Advanced Irrigation Pump

The pump allows easy set-up of irrigation tubes and is extremely quiet during operation.



Memorises Eight Different Implant Systems

The Surgic Pro memorises eight different implant systems and a total of 64 programs. The programmable parameters are gear ratio, speed, rotation direction, torque limit, coolant solution volume and illumination intensity. This is extremely useful when using two or more implant brands. Once you complete programming, simply push a button to call procedures up.

Data Log Function

The Data Log function (Surgic Pro+ model only) can record and store speed, torque values, and other patient treatment data. Such efficient data management helps ensure safe clinical practices.

*Maximum internal memory capacity is 100 minutes



Data Management

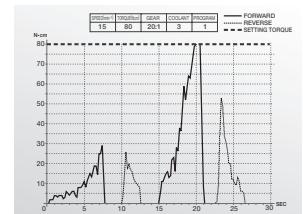
Treatment data can be easily accessed and downloaded using a USB stick. Files can be transferred and added to patient records.

*USB memory stick not included.

Easy Treatment Data Handling

No specific software is required to display CSV or bitmap files.

*File formats : csv or bmp



Surgic Pro+



Surgic Pro+ Complete Set with X-DSG20L Optic Handpiece

Optic	MODEL	ORDER CODE
●	Surgic Pro + OPT-D	Y1003585

Contents

- Control Unit with data storage facility
- SGL70M LED Micromotor
- FC-78 Foot Control
- X-DSG20L Optic Handpiece (20:1 Reduction)
- Irrigation tube (5 pcs.) and other accessories

Surgic Pro Complete Set with SG20 Handpiece

Optic	MODEL	ORDER CODE
—	Surgic Pro NON-OPT	Y1003587

Contents

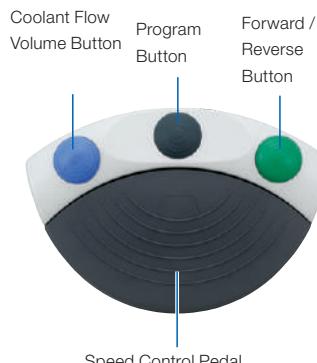
- Control Unit without data storage facility
- SG70M Non-Optic Micromotor
- FC-78 Foot Control
- SG20 Handpiece (20:1 Reduction)
- Irrigation tube (5 pcs.) and other accessories

Specifications

Control Unit with AHC
• Power Supply : AC 230 V 50/60 Hz
• Max. Pump Output : 75 mL/min
• Programs : 8 Programs / Implant Systems
• Dimensions : W 265 x D 220 x H 100 (mm)
Micromotor
• Torque : 5-80 Ncm
• Motor Speed : 200-40,000 min ⁻¹
• Light Power (LED Micromotor) : over 32,000 LUX
Foot Control
• Foot Control Functions : Program Button, Speed Control Pedal, Coolant Flow Volume Button, Forward / Reverse Button

Foot Control

The Foot Control is user friendly and allows operation of all functions within the preset parameters without touching the control panel to avoid accidental activation of the micromotor outside the preset limits. The Surgic Pro/Surgic Pro+ is certificated according to IPX8.



Handle Set (Optional)

Easy to attach foot control handle. Hanger can easily be moved with the foot control.



MODEL	ORDER CODE
FC-78	Z1102001

- With 2 m cord

Optional

Carrying Case

The NSK Carrying Case can accommodate all Surgic Pro components as well as the optional sterilization cassette.



MODEL	ORDER CODE
Carrying Case (Surgic Pro)	Y1001952

- Dimensions : W 534 x D 427 x H 207 (mm)

iCart Duo

Install the control unit and accessories on the cart.



MODEL	ORDER CODE
iCart Duo	S9090

- Dimensions : H 101.65 cm
- Weight : 16.5 kg

Implant Handpieces

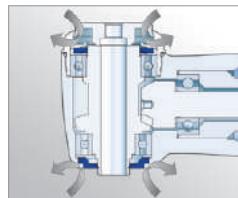
Dismantlable Contra-angle Handling up to 80 Ncm of Torque



Easy to Disassemble and Clean

The DSG20 contra-angle can be disassembled with a simple twist for easy internal cleaning.

NSK's unique locking mechanism prevents accidental disassembly during operation.



Double Sealing System

NSK's unique double sealing system prevents blood and other contaminants from entering the instrument head to ensure longevity of the instruments.

Ti-Max X-DSG20L

Dismantling Surgical Handpiece



- Titanium Body with Scratch Resistant DURACOAT
- Cellular Glass Optics
- Push Button Chuck
- External and internal cooling (Kirschner and Meyer)
- Double Sealing System
- Max. Torque : 80 Ncm
- Max. Speed : 2,000 min⁻¹



	Optic	MODEL	ORDER CODE
20:1 Reduction	●	X-DSG20L	C1068
	—	X-DSG20	C1067

Ti-Max X-DSG20Lh

Dismantling Surgical Handpiece Hexagon Chucking System



Hexagon Chucking System
Hexagon chucking system maintains high bur holding power at a high torque, enabling safe and stable operation. Can be used with regular burs as well.

- Titanium Body with Scratch Resistant DURACOAT
- Cellular Glass Optics
- Push Button Chuck
- External and internal cooling (Kirschner and Meyer)
- Double Sealing System
- Max. Torque : 80 Ncm
- Max. Speed : 2,000 min⁻¹



	Optic	MODEL	ORDER CODE
20:1 Reduction	●	X-DSG20Lh	C1076
	—	X-DSG20h	C1075

• This handpiece is used only for the NSK Surgical Unit with torque calibration. (eg. Surgic Pro series)

Implant Handpieces

Ti-Max X-SG20L



- Titanium Body with Scratch Resistant DURAGRIP
- Cellular Glass Optics
- Push Button Chuck
- External and internal cooling (Kirschner and Meyer)
- Double Sealing System
- Max. Torque : 80 Ncm
- Max. Speed : 2,000 min⁻¹



Optic	MODEL	ORDER CODE
20:1 Reduction	●	X-SG20L C1003

SGX-E20R



- Stainless Steel Body
- Max. Speed : 2,000 min⁻¹
- Max. Torque : 50 Ncm
- Twist Chuck
- Angle Handpiece
- External cooling
- For Osteotomy preparation / insertion of Zygoma Implants for Maxillofacial / oral surgery

Optic	MODEL	ORDER CODE
20:1 Reduction	—	SGX-E20R HA1200

S-Max SG20



- Stainless Steel Body
- Push Button Chuck
- External and internal cooling (Kirschner and Meyer)
- Double Sealing System
- Max. Torque : 80 Ncm
- Max. Speed : 2,000 min⁻¹

Optic	MODEL	ORDER CODE
20:1 Reduction	—	SG20 C1010

• This handpiece is used only for the NSK Surgical Unit with torque calibration. (eg. Surgic Pro series)



Can be use
up to 80 Ncm

Washable in the
thermodisinfector

135°C
Autoclavable
up to 135°C



Can be use
up to 80 Ncm

Washable in the
thermodisinfector

135°C
Autoclavable
up to 135°C

Implant Handpieces

Ti-Max X-SG93L



Triple Spray

- Titanium Body with Scratch Resistant DURAGRIP
- For FG burs (ø1.6)
- Cellular Glass Optics (X-SG93L)
- Clean Head System
- Push Button Chuck
- External cooling
- Max. Speed : 120,000 min⁻¹



	Optic	MODEL	ORDER CODE
1:3 Increasing	●	X-SG93L	C1004
	—	X-SG93	C1007

Ti-Max X-SG65L

Straight Handpiece



- Titanium Body with Scratch Resistant DURAGRIP
- For HP burs (ø2.35)
- Cellular Glass Optics (X-SG65L)
- Clean Head System
- External cooling
- Max. Speed : 40,000 min⁻¹



	Optic	MODEL	ORDER CODE
1:1 Direct Drive	●	X-SG65L	H1009
	—	X-SG65	H1038

Ti-Max X-SG25L



- Titanium Body with Scratch Resistant DURAGRIP
- For CA burs (ø2.35)
- Cellular Glass Optics
- Clean Head System
- Push Button Chuck
- External cooling
- Max. Speed : 40,000 min⁻¹

	Optic	MODEL	ORDER CODE
1:1 Direct Drive	●	X-SG25L	C1011

Ti-Max Z-SG45L



Triple Spray

- Titanium Body with Scratch Resistant DURAGRIP
- Cellular Glass Optics (Z-SG45L)
- Ceramic Bearings
- Clean Head System
- Push Button Chuck
- External cooling
- For FG burs (ø1.6 / 20-25 mm)
- Anti Heat System
- DLC Coating
- Max. Speed : 120,000 min⁻¹



	Optic	MODEL	ORDER CODE
1:3 Increasing	●	Z-SG45L	C1107
	—	Z-SG45	C1108

Implant Handpieces

SGM-ER20i



- External and internal cooling (Kirschner and Meyer)
- with Wrench for handpiece attachment
- Max. Speed : 2,000 min⁻¹

MODEL	ORDER CODE
20:1 Reduction SGM-ER20i	Y110127

SGMS-ER20i

With Depth Indicator



2 types of Depth Indicators are available. Both are easy to attach and detach for smooth operation.



- External and internal cooling (Kirschner and Meyer)
- with two Depth Indicators, Wrench for handpiece attachment, Ruler
- Max. Speed : 2,000 min⁻¹

MODEL	ORDER CODE
20:1 Reduction SGMS-ER20i	Y110147

Micro Surgery Handpieces

Straight Handpieces



- For surgical burs (ø2.35)
- Twist chuck
- Max. Speed : 40,000 min⁻¹



MODEL	ORDER CODE
1:1 Direct Drive SGS-ES	H264



MODEL	ORDER CODE
1:2 Increasing SGS-E2S	H266

20° Angle Handpieces



- For surgical burs (ø2.35)
- Twist chuck
- Max. Speed : 40,000 min⁻¹

MODEL	ORDER CODE
1:1 Direct Drive SGA-ES	H263



MODEL	ORDER CODE
1:2 Increasing SGA-E2S	H265

Micro Saw Handpieces



- 1.8 mm Reciprocating
- With External Spray Nozzle



MODEL	ORDER CODE
3.2:1 Reduction SGR2-E	SH162



- 17° Oscillating
- With External Spray Nozzle



MODEL	ORDER CODE
3.5:1 Reduction SGO2-E	SH164



- 3° Sagittal
- With External Spray Nozzle



MODEL	ORDER CODE
3.2:1 Reduction SGT2-E	SH163

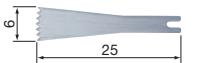
SGR2-E Blades for Reciprocating

MODEL	ORDER CODE
SGR-1	 <ul style="list-style-type: none"> • Blade thickness 0.35 mm • Pack of 10 blades
SGR-2	 <ul style="list-style-type: none"> • Blade thickness 0.35 mm • Pack of 10 blades
SGR-3	 <ul style="list-style-type: none"> • Blade thickness 0.35 mm • Pack of 10 blades

SGO2-E Blades for Oscillating

MODEL	ORDER CODE
SGO-1	 <ul style="list-style-type: none"> • Blade thickness 0.3 mm • Single blade
SGO-2	 <ul style="list-style-type: none"> • Blade thickness 0.3 mm • Single blade
SGO-3	 <ul style="list-style-type: none"> • Blade thickness 0.3 mm • Single blade
SGO-4	 <ul style="list-style-type: none"> • Blade thickness 0.3 mm • Single blade
SGO-5	 <ul style="list-style-type: none"> • Blade thickness 0.35 mm • Single blade
SGO-6	 <ul style="list-style-type: none"> • Blade thickness 0.35 mm • Single blade

SGT2-E Blades for Sagittal

MODEL	ORDER CODE
SGT-1	 <ul style="list-style-type: none"> • Blade thickness 0.35 mm • Pack of 10 blades
SGT-2	 <ul style="list-style-type: none"> • Blade thickness 0.35 mm • Pack of 10 blades



Osseo 100+

Removes Doubt

Osseo 100+ measures implant stability and osseointegration to support decision on when to load an implant.
Especially important when working with shorter treatment time or managing risk patients.

The uncomplicated procedure that measures ISQ allows the implant loading period to be planned in advance. The reconstruction of crowns and bridges can be monitored to optimize timing to decrease the risk for failures. Measurements can be made without unnecessary impact since the equipment does not come into physical contact with the implant or abutment.

Wireless connection with Surgic Pro2

Osseo 100+

Connectivity with Surgic Pro2

The ISQ value is transferred automatically when connected with Surgic Pro2. The Bluetooth® connection means that clinical procedures will be undisturbed.

Wireless data management

The measured ISQ can be shared and processed with data on external terminals via Surgic Pro2.



3-step procedure

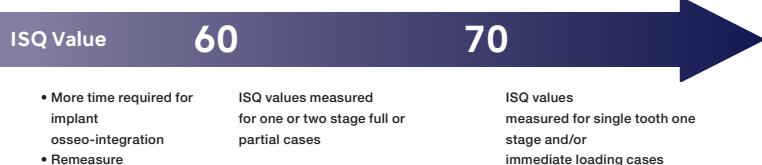
1. The MuTipeg™ is attached to the implant. It screws effortlessly into the implant's internal threads. (approximately 6-8 Ncm of torque).
2. Just aim for the magnet on top of the MuTipeg™. Non-invasive, objective, accurate and repeatable. The peg is excited by magnetic pulses and vibrates due to the stiffness in the contact area between the bone and the implant surface.
3. An ISQ value is generated and shown on the display. This reflects the level of stability on the universal ISQ scale – from 1 to 99. The higher the ISQ value, the more stable the implant.

**About ISQ**

*The below is not a clinical recommendation from NSK.

Decreasing micro mobility with increasing ISQ values.

By taking a baseline value at implant placement and another before loading, the degree of osseointegration can be measured.



1. Sennery L Prof., Implantologie 2013; 21(1): 21-23
2. Kokovic V, Jung R, Feloutzis A, Todovoric V, Jurisic M, Hämmerle C. Clinical Oral Implants Research, 00, 2013, 1-6
3. M Bornstein, C Hart, S Halbritter, D Morton, D Buser, Prof. Dr. med. dent. Clin Implant Dent Relat Res 2009
4. Serge Baltayan, Joan Pi-Anfruns, Tara Aghaloo, Peter Moy. J Oral Maxillofac Surg 74:1145-1152, 2016
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6. Daniel Rodrigo, Luis Aracil, Conchita Martin, Mariano Sanz. Clin. Oral Impl. Res. 21, 2010; 255-261
7. Pagliani L, Sennery L, Petersson A, Verrocchi D, Volpe S & Andersson P. Journal of Oral Rehabilitation 2012
8. P Trisi Phd, T Carles DDS, M Colagiovanni DDS, G Perfetti MD, DDS. Journal of Osteology and Biomaterials, Volume 1, Number 3, 2010
9. S Hicklin, E Schneebeli, V Chappuis, S Francesco, M Janner, D Buser, U Brägger. Clin. Oral Impl. Res. 00, 2015; 1-9
10. L. Milioli, C. Flandaca, F. Giannoulis, L. Ottria, A. Lucchese, F. Silvestre, M. Petrucci. Oral & Implantology - anno IX - n. 3/2016

Reusable MuTipeg™

- For all major implant systems*
- Tissue friendly, durable titanium
- Autoclavable appx. 20 times
- Optimal platform fit
- ISQ Standard Calibrated

*There are different MuTipegs™ available made to fit different implant system and types. Please refer to the updated list from the supplier.

**Wireless connection with Surgic Pro2
Osseo 100+****Contents**

- Osseo 100+ Instrument
- MuTipeg Driver
- Mains adapter and plugs

MuTipeg™ is not included, sold separately.



MODEL	ORDER CODE
Osseo 100+	Y1004176

Specifications

- Power input : 5VDC, 1 VA
- Charger input : 100-240 VAC, 5 VA
- Instrument weight : 100 g
- Battery full charge time : appx. 3 hours.*
- Battery continuous drive time : appx. 1 hour.*

*Varies depending on usage situations.

iSD900



Advantages

- Universal to major implant systems
- Reliable and durable contra-angle handpiece with excellent accessibility
- Audible beeping noise to indicate reverse rotation
- Standard battery (AAA Ni-MH) is easily replaced on site
- LCD control panel offering outstanding visibility and operability

Faster and Safer Implant Treatments

NSK's iSD900 cordless screwdriver helps to safely place and remove cover screws, healing caps and abutments during dental implant procedures, making treatment up to 50% faster.



Faster Treatment

NSK's iSD900 cordless screwdriver safely inserts and removes cover screws, healing caps and abutments during implant procedures, making treatment up to 50% faster.



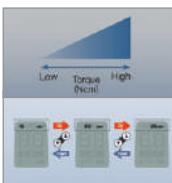
Accommodating Diverse Operative Fields

It can be difficult to maintain good visibility of the operating field when retracting the buccal mucosa when using a conventional ratchet wrench with both hands. The iSD900 allows single-handed operations to ensure better visibility across the whole operating field.



Torque Calibration System to Guarantee Safety

The unique torque calibration system (TCS) of the iSD900 ensures accurate torque values at all times.



Torque Range Accommodating Diverse Procedures and Three Rotation Speeds

NSK's iSD900 has a torque range of 10 Ncm to 40 Ncm to ensure precise torque adjustments and settings in 1 Ncm or 5 Ncm increments according to procedures. The iSD900 offers 15 min⁻¹, 20 min⁻¹, and 25 min⁻¹ speeds according to procedure requirements.



iSD900 Complete Set

MODEL	ORDER CODE
iSD900	Y1001358

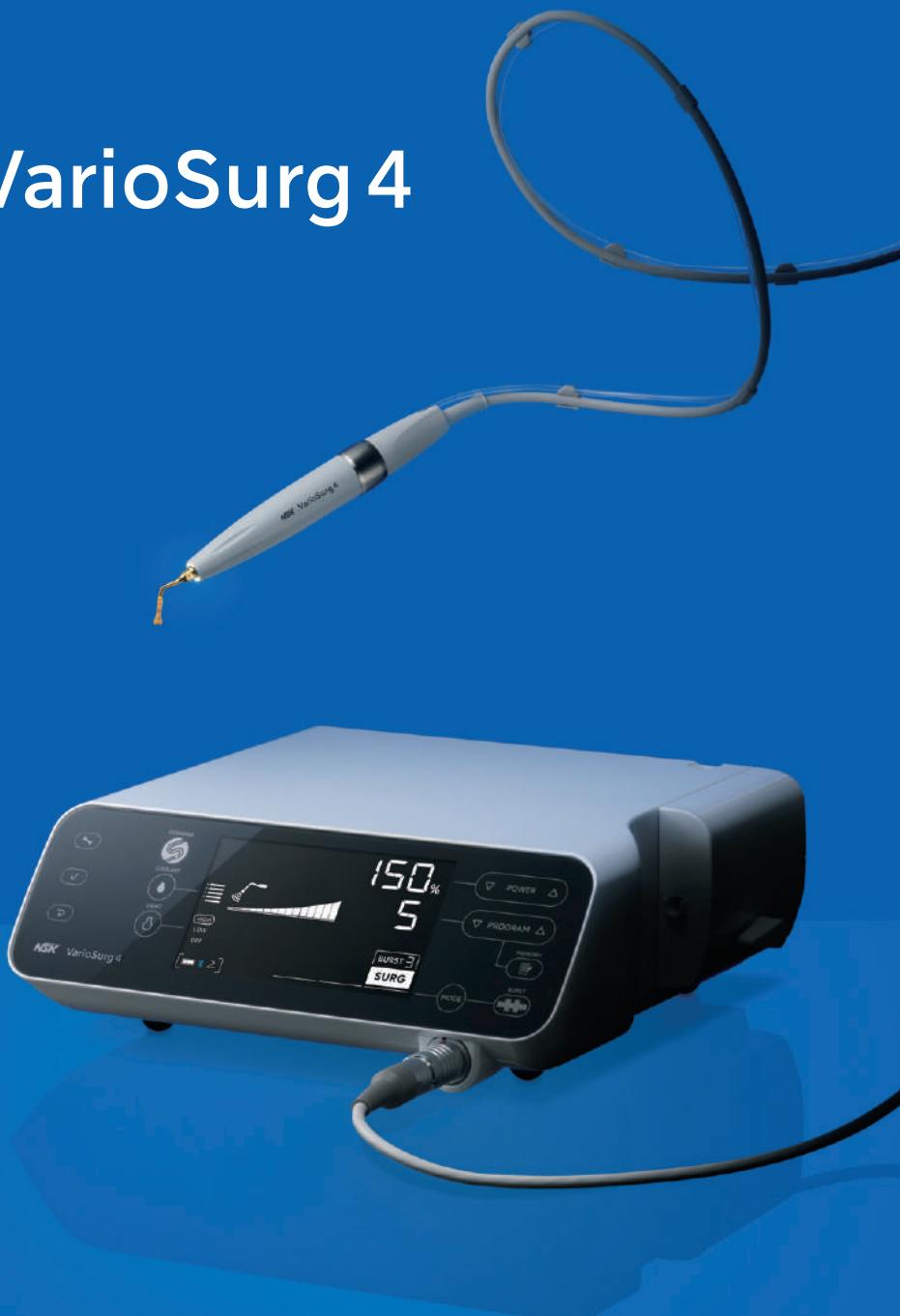
- iSD900 Motor
- iSD-HP
- Quick Charger for iSD900
- Torque Calibrator
- On/Off Switch Lever

Specifications

- Torque: 10 – 40 Ncm in 1 or 5 Ncm increments
- Speed: 15, 20, 25 min⁻¹
- Weight: 148 g (iSD900 Motor + iSD-HP)
- Charging Time : Around 90 min*
- Continuous Operation Time : Max 72 min*

*these may change according to the usage environment.

VarioSurg 4



The Essential Ultrasonic Bone Surgery System

The development of the VarioSurg ultrasonic bone surgery system continues with the introduction of the VarioSurg 4. With pioneering high power ultrasonic technology and a diverse lineup of tips for various procedures, the VarioSurg 4 allows for swift and intricate bone removal and shaping.

It minimizes damage to surrounding soft tissue and reduces invasiveness compared to conventional bone and micro saws. With new advantages like wireless foot control integration, compatibility with Surgic Pro2, and a refined, stylish design, the VarioSurg 4 is set to exceed clinicians' expectations while creating a stress-free environment.

Smart and Intuitive Control Panel

The control unit features a harmonious design that works technologically and aesthetically with the Surgic Pro2, allowing for a wide range of functionality for various procedures. Also, with wireless foot control integration and Bluetooth® connectivity with Surgic Pro2, there's no need for cables or wires. The control unit includes a programmable memory function that can be personalized to match the preferences and usage conditions of individual clinicians. The incorporation of a large, backlit LCD screen and touch panel with intuitive icon buttons, ensures excellent visibility and smooth operation.

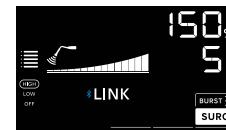
Surgic Pro2 and VarioSurg 4 Link Function

VarioSurg 4 features built-in Bluetooth® functionality, allowing it to be easily linked with the surgical micromotor system, Surgic Pro2. This enables the operation of both units with one single wireless foot control. Easily switch between the two systems, ensuring a smooth and efficient workflow.



Safe Operation

The user-friendly display clearly indicates which system is active and ensures safe and accurate operation.



VarioSurg 4's display indicates that Surgic Pro2 is active.

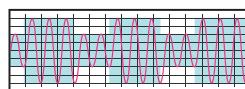


Press the 'LINK' button* to switch between VarioSurg and Surgic Pro2.

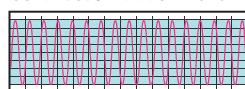
*This button is located on the Surgic Pro2, on the left side of the panel.

Control Unit

Burst Mode



Continuous Vibration Mode



Feedback & Auto-Tuning Functions for Consistent Cutting Performance and Stability

Optimal power is supplied to the tip as it automatically senses the condition of the surgical site. Oscillation frequency is also automatically controlled, maintaining the specified output value at the tip and sustaining the vibration effect. These features ensure a stable, consistent power supply and enhance the efficiency of the procedure.



Adjustable Light Intensity

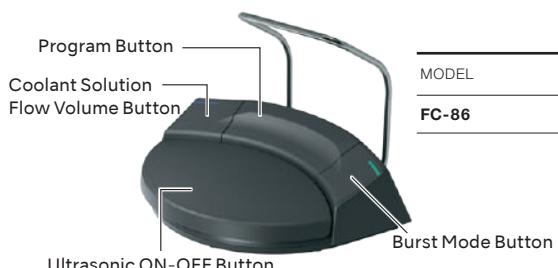
Switch effortlessly between three levels of light intensity.

Foot Control

Linked with a wireless foot control

Bluetooth® connectivity allows selection of the optimal position without worrying about cable length. The foot control is 400g lighter than the previous model (hanger included) making it easy to reposition.

The "Coolant Solution Flow Level Button", "Program Button" and "Burst Mode Button" are also located on the foot control which allows you to focus on the treatment. The energy-efficient power supply uses 3 AAA batteries, which last about 6 months. A flashing light indicates when the batteries are running low.



MODEL	ORDER CODE
FC-86	ZF16040001

Handpiece

The Powerful Handpiece with a Super-Slim Design

This super-slim, lightweight handpiece with twin LEDs provides exceptional accessibility and visibility. It's well-balanced ergonomic design minimises hand fatigue during extended treatments.

These innovative features allow the VarioSurg 4 to faithfully reflect the operator's intentions with extraordinary comfort and precision. Advanced ultrasonic technology produces oscillation of the tip that eliminates heat at the operation site, allowing for minimally invasive procedures.

Effective Power Transmission with Minimal Heat Generation

By using innovative materials, the VarioSurg 4 handpiece delivers appropriate power from the generator to the tip without loss while minimising heat generation.

LED Illumination for More Precise Treatments

NSK LEDs generate natural daylight-quality light to perfectly illuminate the treatment area, enabling more precise treatments and shortening treatment times. LEDs are safe and do not overheat, even during extended use, and are economical due to their long life. Proprietary twin LED lights eliminate shadows in the treatment area, allowing excellent visibility.

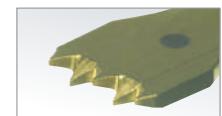


Optic	MODEL	ORDER CODE
●	VS4-LED-HPSC	EA14170001

• with 2m cord

Tips - Products of NSK's Precision Manufacturing

We maximize the sharpness of our tips through three-dimensional-cutting (toothing) of the blade's edge.



VarioSurg 4



VarioSurg 4 Complete Set

Optic	MODEL	ORDER CODE
●	VarioSurg 4 (230V)	Y1500706

Contents :

- Control Unit
- LED Handpiece with 2m cord
- FC-86 Foot Control (cordless)
- Sterilization Cassette
- Handpiece Stand
- Irrigation tube (3 pcs.) and other accessories
- Basic H-S Kit (H-SG1, SG3, SG5, SG6D, SG7D, SG11 and Tip holder)

Specifications :

Control Unit	<ul style="list-style-type: none"> • Frequency : 28-32 kHz • Power Supply : AC100 - 240V 50/60 Hz 	<ul style="list-style-type: none"> • Max. Pump Output : 76 mL / min • Programs : SURG x 5, ENDO x 2, PERIO x 2 • Dimensions : W 245 x D 235 x H 90 mm
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OPTION

Foot Control

MODEL	ORDER CODE	MODEL	ORDER CODE
FC-86	Z1401001	FC-78	Z1102003
• With 2m cord			

Link Stand

MODEL	ORDER CODE	MODEL	ORDER CODE
Link Stand 3	ZA16230001	VA-SG-CASE	Z313102
• Dimensions : W 281 x D 171.5 x H 47 mm • Has dedicated compartments for handpiece, cord, tip replacement wrench and tip holders			

Carrying Case

MODEL	ORDER CODE	MODEL	ORDER CODE
Carrying Case (VarioSurg 4)	Y1500783	iCart Duo	S9090
• Dimensions : W 534 x D 427 x H 207 (mm) • Dimensions : H 101.65 cm • Weight : 16.5 kg			

Ultrasonic Surgery Tips

Choose from over 50 ultrasonic tips according to the clinical procedure.

Bone Surgery



Scaper



Sinus Lift



Sinus Membrane Detachment



Scaling



Maintenance (V-Tip)



Extraction



Socket Lift (Crestal Approach)



Implant Preparation



Perio (Root Planing)



Endodontics



Bone Surgery (TIN coating)



POWER LEVEL	MODEL	ORDER CODE
—	SG1	Z305101

SURG 150%	H-SG1	Z305151
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- Dots mark 3, 6 and 9 mm from top of tip
- Five teeth; 0.6 mm thick

POWER LEVEL	MODEL	ORDER CODE
—	SG1A	Z305138

• Dots mark 3, 6, 9,12 and 15 mm from top of tip
• Five teeth; 0.6 mm thick

POWER LEVEL	MODEL	ORDER CODE
—	SG2R	Z305102

• Right curved tip*
• Three teeth; 0.6 mm thick

POWER LEVEL	MODEL	ORDER CODE
—	SG2L	Z305103

• Left curved tip*
• Three teeth; 0.6 mm thick

POWER LEVEL	MODEL	ORDER CODE
—	SG8	Z305109

SURG 150%	H-SG8	Z305155
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- Dots mark 3, 6 and 9 mm from top of tip
- Three teeth; 0.6 mm thick

POWER LEVEL	MODEL	ORDER CODE
—	SG8A	Z305139

• Dots mark 3, 6, 9,12 and 15 mm from top of tip
• Three teeth; 0.6 mm thick

POWER LEVEL	MODEL	ORDER CODE
SURG 150%	H-SG8R	Z305156

• Marking every 2 and 4 mm from top of tip (Single side)
• Right curved tip* • Three teeth; 0.6 mm thick

POWER LEVEL	MODEL	ORDER CODE
SURG 150%	H-SG8L	Z305157

• Marking every 2 and 4 mm from top of tip (Single side)
• Left curved tip* • Three teeth; 0.6 mm thick

* The direction of the tip's curve is defined by the tip's anterior view.

Washable in the thermodisinfector

Autoclavable up to 135°C

Bone Surgery (TIN coating)



MODEL	ORDER CODE
SG14R	Z305122
• Right curved tip*	
• Five teeth; 0.6 mm thick	
SG14L	Z305123
• Left curved tip*	
• Five teeth; 0.6 mm thick	
SG19	Z305135
• Dot mark 3 mm from top of tip	
• Five teeth; 0.8 mm thick	
SG30	Z305137
• Sharp edge	
• 0.5 mm thick	
SG58	Z305141
• Dots mark 3, 6 and 9 mm from top of tip	
• Three teeth; 0.6 mm thick	
SG68	Z305143
• Marking every 2 and 4 mm from top of tip (Single side)	
• Three teeth; 0.6 mm thick	

Scraper (TIN coating)



MODEL	ORDER CODE
SG3	Z305104
• Triple sided edge spatula tip	
SG4	Z305105
• Edge spatula tip	
SG5	Z305106
• Rounded edge spatula tip	

Extraction (TIN coating)



MODEL	ORDER CODE
SG17	Z305132
• 0.7 mm thick	
SG18R	Z305133
• Right angled tip* • 0.7 mm thick	
SG18L	Z305134
• Left angled tip* • 0.7 mm thick	

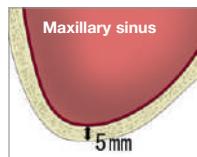
Specialty Tips Exclusively for Sockets

Used as part of the socket lift method to swiftly perform sinus lift procedures, NSK's new tip lineup is designed for minimal surgical invasiveness.

Process example for elevation of maxillary sinus membrane

A type of implant preparation site for a regular size implant ø4.0 mm.

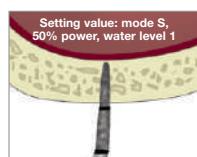
At the case of using VarioSurg



*A case of around 5 mm from the base of cortical bone to maxillary sinus.

*Bone tissue is type 3 and good condition.

*In addition to positive diagnosis by CT image, the vertical bone width should be diagnosed well and the implant preparation site could be formed until the base of maxillary antrum.



1. Bone cutting to within 1 mm to the base of maxillary antrum by using SG15A tip. Please be careful not to push the tip too much.



2. Repeat bone cutting using SG15B tip to increase width. Please be careful not to push the tip too much.



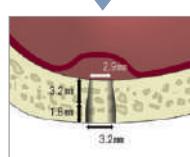
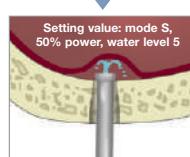
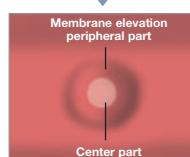
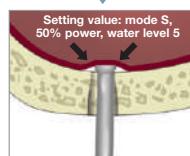
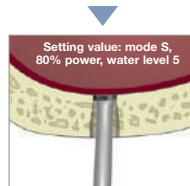
3. Bone cutting by using SG16A tip. The implant preparation site is formed until little of the base of cortical bone remains.



4. Repeat bone cutting by using SG16B tip. The implant preparation site is formed until little of the base of cortical bone remains.



5. Using sufficient water irrigation, the implant preparation site is formed by using SCL2D tip. The water level is set to 5. Please be careful not to force the tip into the implant preparation site. Too much water pressure may exert on the maxillary antrum membrane. At the case of using drilling, this step is excluded.



6. Using sufficient water irrigation, the implant preparation site is continued to be formed by using SCL1D tip. The water level is set to 5. The cavity floor of the implant preparation site is cut by using the edge of the top of the tip. Please be careful not to force the tip into the implant preparation site. Too much water pressure may exert on the maxillary antrum membrane.

7. The maxillary antrum membrane is exfoliated by using SCL1 tip. The water level is set to 5.

Slowly insert the top of the tip between the membrane and bone. Moving the tip along the wall of the implant preparation site will exfoliate the membrane. Please be careful, since the membrane can be torn at the edge (arrow part) between the bone and the membrane.

This image shows the elevated membrane which you will see from the maxillary antrum side. Please check the condition of maxillary antrum membrane using the endoscope.

8. The Maxillary antrum membrane can now be elevated by using SCL1 tip.

9. The completed formation of the implant preparation site.

At the case of using drilling, the straight implant preparation site of 3.2 mm is formed.

Socket Lift (Crestal Approach)



MODEL	ORDER CODE
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SCL1	Z305170
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- Internal irrigation

MODEL	ORDER CODE
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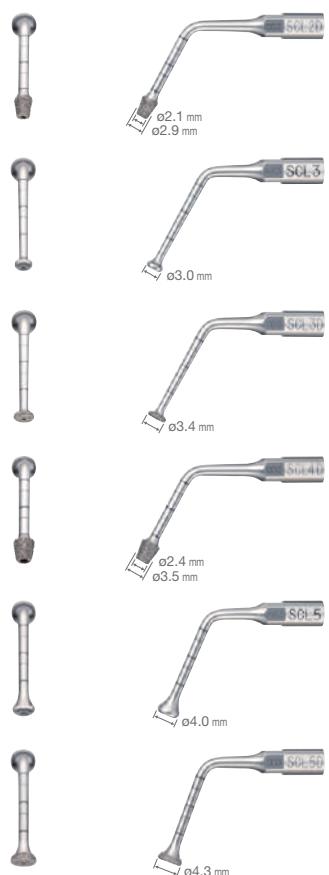
SCL1D	Z305171
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- Internal irrigation • Diamond coating

Washable in the thermodisinfector

Autoclavable up to 135°C

Socket Lift (Crestal Approach)



MODEL	ORDER CODE
SCL2D	Z305182
• Internal irrigation	
• Diamond coating	
MODEL	ORDER CODE
SCL3	Z305172
• Internal irrigation	
MODEL	ORDER CODE
SCL3D	Z305173
• Internal irrigation	
• Diamond coating	
MODEL	ORDER CODE
SCL4D	Z305184
• Internal irrigation	
• Diamond coating	
MODEL	ORDER CODE
SCL5	Z305174
• Internal irrigation	
MODEL	ORDER CODE
SCL5D	Z305175
• Internal irrigation	
• Diamond coating	



The estimated depth of the implant preparation site can be measured with the scale on the Tip.

Sinus Lift



MODEL	ORDER CODE
SG6D	Z305107
MODEL	ORDER CODE
SG7D	Z305108

Sinus Membrane Detachment



MODEL	ORDER CODE
SG9	Z305110
• Flat circular convex elevator	
• Angled at 90°	
MODEL	ORDER CODE
SG10	Z305111
• Flat circular convex elevator	
• Angled at 135°	
MODEL	ORDER CODE
SG11	Z305112
• Cone compressor	

Implant Preparation



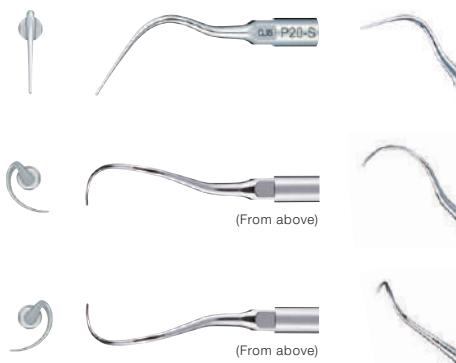
MODEL	ORDER CODE
SG15A	Z305124
• Diameter of the tip end; 0.7 mm	
MODEL	ORDER CODE
SG15B	Z305125
• Diameter of the tip end; 1.3 mm	
MODEL	ORDER CODE
SG15C	Z305126
• Diameter of the tip end; 0.9 mm	
MODEL	ORDER CODE
SG15D	Z305127
• Diameter of the tip end; 1.3 mm	
MODEL	ORDER CODE
SG16A	Z305128
• Diameter; 2.0 mm	
MODEL	ORDER CODE
SG16B	Z305129
• Diameter; 2.6 mm	

Scaling



MODEL	ORDER CODE
G1-S	Z305113

Perio (Root Planing)



MODEL	ORDER CODE
P20-S	Z305114
• Straight tip	
MODEL	ORDER CODE
P25R-S	Z305115
• Right curved tip*	
MODEL	ORDER CODE
P25L-S	Z305116
• Left curved tip*	

Maintenance (V-Tip)

Perio-Control



V-Tip Holder



MODEL	ORDER CODE
V10-S	Z305117

- Includes E-Tip replacement wrench
- Plastic Tip is not included



MODEL	ORDER CODE
V-P10	Y900184

- Pack of 3
- V10-S holder is not included

MODEL	ORDER CODE
V-P12	Y1002167

- Pack of 3
- V10-S holder is not included

MODEL	ORDER CODE
V-P11R	Y1002165

- Right curved type* • Pack of 3
- V10-S holder is not included

MODEL	ORDER CODE
V-P11L	Y1002166

- Left curved type* • Pack of 3
- V10-S holder is not included

■ V-P11R, V-P11L, V-P12 can be used only for VarioSurg 3.

Endodontics



MODEL	ORDER CODE
E30RD-S	Z305118

- For posterior teeth (right angled)

MODEL	ORDER CODE
E30LD-S	Z305119

- For posterior teeth (left angled)

MODEL	ORDER CODE
E31D-S	Z305120

- For anterior and posterior teeth (70°)

MODEL	ORDER CODE
E32D-S	Z305121

- For anterior teeth (90°)

Tip Kits



- Bone Surgery
- Scraper
- Sinus Lift
- Sinus Membrane Detachment

MODEL	ORDER CODE
Basic H-S Kit	Y1002775

Contents

- H-SG1, SG3, SG5, SG6D, SG7D, SG11
- Tip holder



- Bone Surgery

MODEL	ORDER CODE
Bone Cut Kit	Y900688

Contents

- SG1, SG2R, SG4, SG2L, SG6D
- Tip holder



- Sinus Lift

MODEL	ORDER CODE
Sinus Lift Kit	Y900689

Contents

- SG1, SG3, SG6D, SG9, SG10, SG11
- Tip holder



- Endodontics

MODEL	ORDER CODE
Endo-S Kit	Y900691

Contents

- G1-S, E30RD-S, E30LD-S, E31D-S, E32D-S
- Tip holder

Tip Kits



- Implant Preparation

MODEL	ORDER CODE
Implant Preparation Kit	Y900774

Contents

- SG15A, SG15B, SG16A, SG16B
- Tip holder



- Socket Lift Tips (Crestal Approach)

MODEL	ORDER CODE
Socket Lift Kit for Regular Size Implant	Y1002841

Contents

- SCL1D, SCL2D, SCL1
- VS Tip Wrench • Tip holder • Manual



- Socket Lift Tips (Crestal Approach)

MODEL	ORDER CODE
Socket Lift Kit for Wide Size Implant	Y1002842

Contents

- SCL2D, SCL3D, SCL4D, SCL3
- VS Tip Wrench • Tip holder • Manual

NSK

2.10 Bar

iClave plus

Vacuum Sterilize Dry Ready

Class B

134

5 min

UNIVERSAL

AUTOCLAVE

1. UNIVERSAL
2. DELICATE
3. FLASH
4. SMALL LOAD
5. PRION
6. CRITICAL 134°C
7. CRITICAL 121°C

iClave plus



Safer with more Capacity

To maximise handpiece performance, handpieces need to be decontaminated correctly and safely. NSK's advanced know-how as a trusted global handpiece manufacturer realized the potential of a handpiece friendly autoclave through the launch of the iClave series.

Use of a Copper Chamber to Match The Advanced Class B Cycle Sterilization Capacity and Efficiency Standards

Air turbines, contra-angles, and other dynamic dental instruments consist of high-precision micro mechanisms and therefore benefit from careful sterilization to maintain performance. NSK chose to use a highly conductive copper chamber to satisfy Class B, Europe's strictest sterilization standard. The system delivers outstanding efficiency despite its large capacity.

50% More Capacity Than Conventional Autoclaves

The iClave plus can fully use its 17.5 litre capacity because it maintains even temperatures throughout the autoclave chamber and constantly controls the surface temperature. The iClave plus offers 50% more sterilization space than a conventional stainless steel chamber of the same size, ensuring greater safety by reducing instrument overcrowding.



Copper chamber



Stainless steel chamber

NSK Autoclave Benefits Include Combining
High Heat Conductivity of Copper Chamber with Proprietary Heating System



Super fast



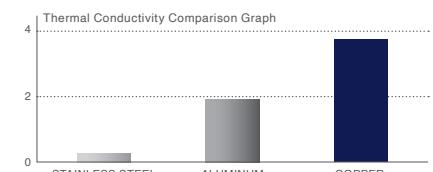
Super fast

COPPER CHAMBER

Highly Thermal Conductive Copper Chamber with Even Temperatures

Using copper to construct the chamber gives 17.7 times more heat conductivity than stainless steel. The copper chamber retains even internal temperature levels throughout despite its large capacity.

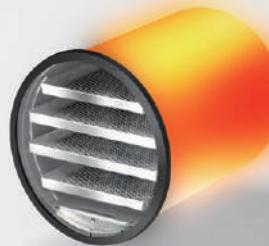
Thermal Conductivity Differences of Materials



ADAPTIVE HEAT SYSTEM

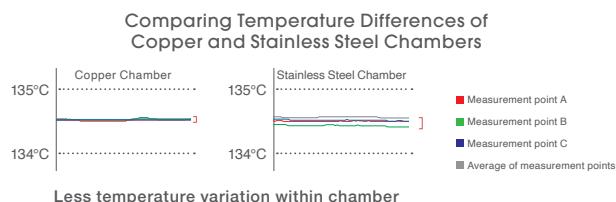
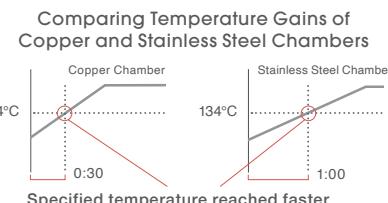
Advanced Heating System Leveraging Excellent Thermal Conductivity

NSK's innovative heating system optimizes the high heat conductivity of copper. Enveloping the copper chamber is a special heater which is also used in satellites, incorporating electro-thermal material embedded in silicone to heat the entire chamber evenly without heat loss.



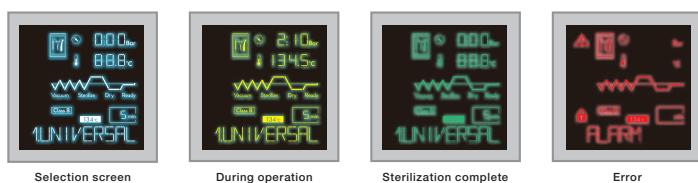
TEMPERATURE CHARACTERISTICS

In temperature measurements at three points inside the chamber, the copper model reached 134°C, the standard sterilization temperature, in about half the time of a stainless steel counterpart. There were no temperature variations at the three points measured in the copper chamber.



User-friendly, Easy to Read Operating Panel

With a sophisticated design and excellent visibility, the panel is easy to operate and maintain, with colors changing according to conditions, enhancing sterilization reliability.



Sterilization Cycle Data Recording

All sterilization cycles are recorded on a USB flash drive, and no special software is required to view and print records of all cycles. The system records all relevant cycle parameters against a unique date and time stamp.



Bacterial Filter for Greater Safety

The iClave plus ventilates air through a bacterial filter during the drying phase, eliminating the possibility of re-contamination.



Designed to Boost Product Reliability

Consistent temperatures inside the chamber eliminate fluctuation stresses and reduce the risk of problems. NSK initially reviewed product reliability to ensure safe treatment. There are three thermometers to control temperatures in the iClave plus. An annual maintenance service alert helps prevent breakdowns and boosts product reliability.

Stainless Steel Body Enhances Durability

The stainless steel body work, which is rare for an autoclave these days, makes iClave plus more robust. Together with the copper chamber it delivers outstanding durability.

Constantly Monitoring Working Parameters for Safe Operation

The process evaluation system constantly monitors pressure, temperature, water quality and steam. Additional features include cycle counter, altitude set-up, maintenance monitoring, triple safety lock, auto switch-off, and double water tank.

iClave plus



iClave plus Complete Set

MODEL	ORDER CODE
iClave plus 230V	Y1003077

EN13060 Class B

Technical characteristics

• External dimensions	: W 445 x D 584 x H 438 (mm)
• Chamber dimensions	: 0240 x 384 (mm)
• Chamber capacity	: 17.5 Litre
• Net weight	: 45 kg
• Maximum power consumption	: 1,920 W
• Supply Voltage CE	: AC 230 V - 50/60 Hz
• Air expulsion system	: Vacuum pump 1, 3, 4 vacuum
• Max Load	: 4 kg (solid), 1.5 kg (porous)

External dimensions exclude protrusions.

PROGRAMS	PARAMETERS	CLASS
1 UNIVERSAL	134°C	5 min
2 DELICATE	121°C	20 min
3 FLASH	134°C	3 min
4 SMALL LOAD ¹	134°C	4 min
5 PRION	134°C	18 min
6 CRITICAL 134°C	134°C	5 min
7 CRITICAL 121°C	121°C	20 min
8 SPECIAL	105-135°C	3-90 min
		2-4 vacuum
		-

¹ Bowie & Dick : 134°C / 3.5 min / 3 vacuum • Vacuum test : 20 min

¹ small load : included hollow instruments type A and B (MAX 0.5 kg)

OPTIONAL ACCESSORIES

Sealer Newseal Plus

Automatic sterilisation pouch sealer



MODEL	ORDER CODE
Sealer Newseal Plus	Z1279001

- Self adjusting sealing from 10 mm
- Retracting blade cutter • Reel holder
- Visual and acoustic seal indication
- Pre-set for wall attachment

Regenerating Tabs



A special effervescent tablet for cleaning the chamber. Placed inside the chamber, it removes limescale and dirt residue from the boiler upon activating the cycle.

MODEL	ORDER CODE
Regenerating Tabs	DX0230050

Barcode Label Writer



Increases traceability levels by combining sterile instruments and patients.

MODEL	ORDER CODE
Barcode Label Writer	Z1281001

Kit Wifi



Device for storing the sterilization cycles' data on an external memory and send to any PC, tablet or smartphone via WIFI connection.

MODEL	ORDER CODE
Kit Wifi	DX9900059

Helix Test



Class 5 steam penetration tests. Includes a tester and 250 indicators.

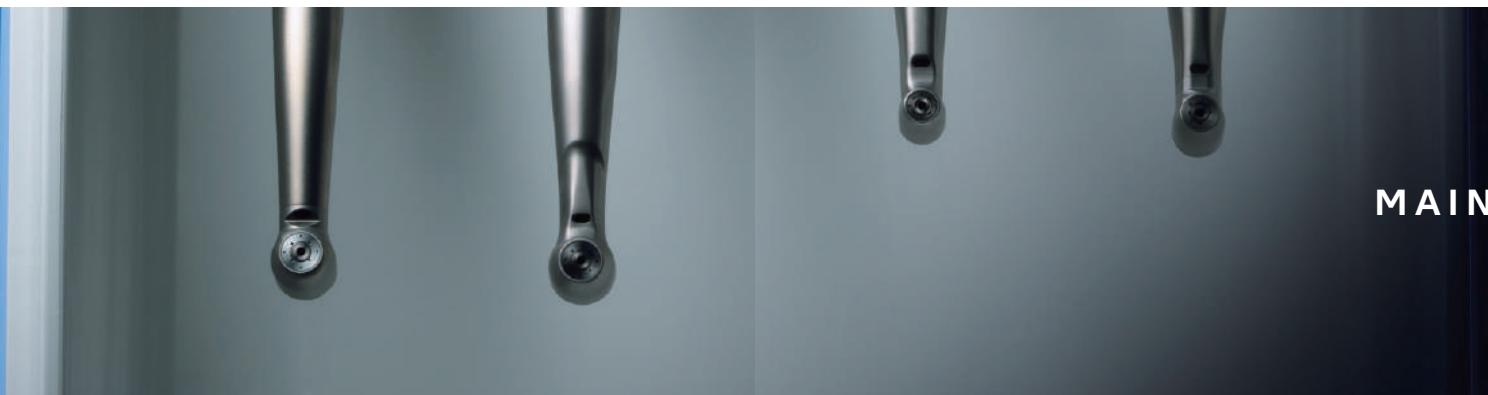
MODEL	ORDER CODE
Helix Test	990005

Purity



RO water unit with built in filters providing high quality water for effective sterilisation. With direct water feed into the iClave plus.

MODEL	ORDER CODE
Purity	Z1284001



iCare+



Automatic System for Cleaning, Disinfecting and Lubricating Rotary Instruments

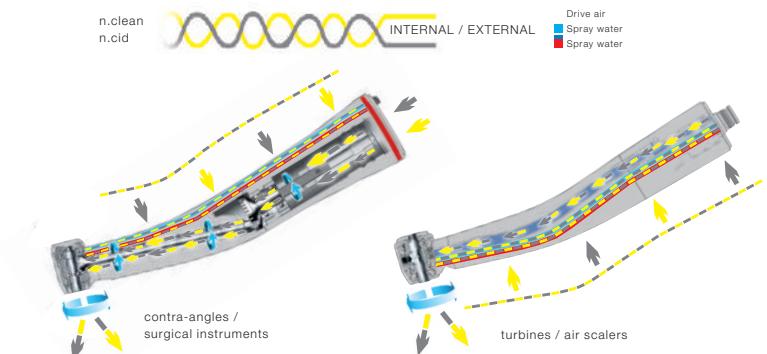
Manual cleaning of instruments does not remove all deposits and residues. Dynamic Instruments that are poorly maintained or not adequately cleaned may become damaged and pass on infections to both patients and practitioners. Any instrument used in dentistry must be perfectly cleaned, disinfected and maintained. NSK is aware of the requirements in the daily practice of dentistry and, after many years of research, It has come up with a simple and effective solution thanks to iCare+.

Intelligence at The Service of Your Instruments

iCare+ is smart and detects the type of instrument attached to the ports (internal/external spray or without spray) when canals are blocked or the wrong cycle has been selected for a specific instrument to ensure cycle efficiency.

During the different cycles, iCare+ starts the rotation of instruments and injection of treatment products into all the internal mechanisms and tubing of the instruments to provide deep cleaning and disinfection; a pressure spray simultaneously cleans and disinfects the external surfaces.

Each cycle lasts for a specific duration in compliance with EN ISO 15883/15883-5 to guarantee maximum effectiveness of the n.clean and n.cid solution for the perfect treatment of every instrument.



Security

Tests performed by the Dr Brill Institute conducted on extremely dirty instruments (containing sheep's blood with heparine, protamine, bacteria and yeast) prove that iCare+ treatment cycles together with n.clean cleaning and n.cid disinfection guarantee proven effectiveness of the results. The validated tests realized in germany by this accredit laboratory were done according to RKI recommendations (Robert Koch Institute) and EN ISO 15883.

Guaranteed Consistent Repetition of Cycles

iCare+'s internal control system has sensors, which ensure consistency of every cycle in accordance with the parameters which were determined during the laboratory tests.

iCare+'s Medicals device witch are a protocol, an analyse method and a result of certification.

Cleaning and Disinfection

Two products Inextricably Linked to iCare+

iCare+ works hand-in-hand with n.clean and n.cid products. n.clean and n.cid have been specifically developed for rotary instruments in compliance with strict protocols as well as European and International standards.

Validated Association of Certified Products

Extensive laboratory tests have been conducted on NSK turbines, handpieces and contra-angles, as well as on instruments from other brands: the results are identical for all tested instruments and always in compliance with EN ISO 15883. It is therefore crucial that iCare be used together with n.clean for cleaning and n.cid for disinfection of rotary instruments to guarantee optimal results validated by laboratory testing.

Targeted Action

n.clean, a cleaning and rinsing solution, acts as a detergent and has bacteriostatic and fungistatic effects. It prevents proteins from attaching to internal and external surfaces of instruments. Disinfection prior to sterilization is carried out by n.cid, a bactericidal, fungicidal and virucidal* disinfectant solution effective against wrapped viruses, as well as unwrapped Adenoviruses.

*Bactericidal: TBC, MRSA. - Fungicidal: Candida albicans - Virucidal: HBV, HCV, HIV, Herpes simplex, Influenza, H1N1 + H5N1.



Complete Traceability

Internal Traceability Software

In addition to the permanent internal validation process software is available to log all cycle data on an external device. iCare+ generates a serial number for every cycles. Once the data has been transferred to a computer you can add serial numbers of individual instruments to specific cycle records in order to establish total traceability.

Data Storage

To allow traceability and external storage of the iCare+ cycle data an easily accessible USB port is built into iCare+ unit*.

User-friendly Interface

The user friendly software interface allows easy and efficient management of all cycle data with the option of adding specific records for individual instruments at the push of a button.





Cleaning

Disinfection

Lubrication

iCare+ Complete Sets

2 High speed ports + 2 slow speed ports

MODEL	ORDER CODE
iCare+ C2	S102001

1 High speed port + 3 slow speed ports

MODEL	ORDER CODE
iCare+ C3	S103001

Contents

- iCare+ unit
- Power cord with L-shaped plug
- Air tube

Specifications

- Power Supply: AC 100-230 V 50/60 Hz
- Capacity: up to 4 instruments
- Air Pressure: 0.5-0.6 MPa (5.0-6.0 kgf/cm²)
- Weight : 14 kg
- Dimension : W 400 x D 405 x H 355 (mm)
- Capacity of the oil tank: 500 mL
- Capacity of the bottles for the cleaning and disinfection product: 500 mL



*Connects only to Midwest 4-hole type

*Air piping is necessary (5.0-6.0 kgf/cm²)

iCare+ Adaptors

MODEL	ORDER CODE
iCare+ Adaptor PTL	• For NSK High Speed Handpieces for PTL-CL-LED Coupling
iCare+ Adaptor KV	• For KaVo® High Speed Handpieces for MULTIflex® LUX Coupling
iCare+ Adaptor SR	• For Sirona® High Speed Handpieces for Quick Coupling
iCare+ Adaptor WH	• For W&H® High Speed Handpieces for Roto Quick Coupling
iCare+ Adaptor BA	• For Bien-Air® High Speed Handpieces for Unifix® Coupling

Check with the dealer for the adaptors to mount other manufacturers' handpieces.

Refill Maintenance Oil

MODEL	PRODUCTS	ORDER CODE
n.Clean, 500 mL PEHD bottle (6 pcs)		ACL600
n.Cid, 500 mL PEHD bottle (6 pcs)		ACD600
Maintenance Oil, 1 L PEHD bottle		Z016117

iCare



Automatically Clean

iCare sets a new standard for handpiece maintenance systems. In one stylish and compact body, it offers you both ease of use and multiple functions to achieve complete lubrication. The proper solution volume is preset based on handpiece type, and maintenance can be initiated at the touch of a button. The chuck cleaning system keeps chucks pristine, and the purging select mode lets you alter purge time depending on the situation for truly comprehensive maintenance. Thanks to its stylish and compact body, iCare is also space efficient and totally in harmony with your working environment.

Preset Proper Solution Volume Based on Handpiece Type

The proper solution volume is preset based on high speed and low speed handpieces, ensuring precise and thorough lubrication at the touch of a button.



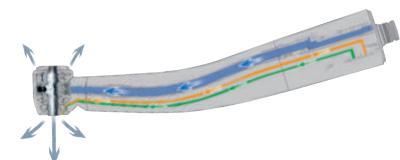
Ergonomic and Easily Readable Large Panel

Simple One-Touch Operation to Start Lubrication.



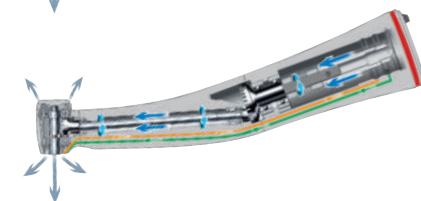
High Speed Handpieces

iCare meticulously cleans the components of high speed handpieces.



Low Speed Handpieces

Low speed handpieces incorporate gearing systems that require extra solution penetration. The NSK rotation system guarantees optimum oil delivery to the internal components of all low-speed handpieces.



Purging Select Mode

After lubrication, you can select from appropriate modes offering different purge lengths.



Hp Head Filter Prevents Mist Leaks (Optional)

HP Head Filter is made to absorb any spray mist generated, which prevents mist leaks.



Solution Tank

iCare's big solution tank has a capacity of 1.2 Liters, allowing you to pour in a full one-liter bottle of maintenance solution at once, reducing the necessity for frequent refilling. The enclosed nozzle enables clean and easy refills.

Chuck Cleaning Function

The chuck cleaning function completely removes dirt and cutting powder from the chuck.



Easy to Clean

iCare's front door can be completely removed to allow fast, easy cleaning of the system.



Accommodates Both NSK Handpieces and Those of Other Brands

NSK and all other brands of low speed handpieces connect directly to the coupling supplied. NSK high speed handpieces require the PTL adaptor. Adaptors are available for direct connection of most other brands of high speed handpieces.

Safe Operation with a Range of Alarm Functions

The alarm LED ensures safe and secure maintenance by alerting you to various situations, including inadequate solution quantity and an un locked front door.

Stylish and Compact

In the pursuing ultimate ease of use, NSK has given iCare the power to perform automatic maintenance for up to four handpieces at once. iCare is also designed to be simple to set up and space efficient, you can install it virtually anywhere.



iCare Complete Sets



2 High speed ports + 2 slow speed ports

MODEL	ORDER CODE
iCare C2 Type	Y1002787

1 High speed port + 3 slow speed ports

MODEL	ORDER CODE
iCare C3 Type	Y1002788

Contents

- iCare unit • Power cord • Chuck Cleaning Nozzle • Maintenance oil for iCare (1 Liter) • Mist filter set • Oil absorber sheet • Air tube

Specifications

- Power Supply: AC 100-240 V 50/60 Hz • Air Pressure: 0.5-0.6 MPa (5.0-6.0 kgf/cm²) • Weight : 6.5 kg (C2 type / C3 type)
- Dimension : W 280 x D 240 x H 350 (mm) • Solution Tank Capacity : 1.2 L
- Connects only to Midwest 4-hole type • Air piping is necessary (5.0-6.0 kgf/cm²)
- Do not use iCare to lubricate air scalers and Phatetus air motors. The iCare lubricating system is not designed to lubricate those particular products. Maintain air scalers and Phatetus air motors as described in the operation manual for each product.
- If blood infiltrates inside a handpiece, iCare may not totally clean the internal handpiece components, and internal blood coagulation may cause product failure. In this case, NSK recommends to immediately lubricate those handpieces with PANA SPRAY Plus.

iCare Adapters

MODEL	ORDER CODE	
PTL Adaptor	• For NSK High Speed Handpieces for PTL-CL-LED Coupling	Z257010
KV Adaptor	• For KaVo® High Speed Handpieces for MULTIflex® LUX Coupling	Z257020
SR Adaptor	• For Sirona® High Speed Handpieces for Quick Coupling	Z257023
WH Adaptor	• For W&H® High Speed Handpieces for Roto Quick Coupling	Z257021
BA Adaptor	• For Bien-Air® High Speed Handpieces for Unifix® Coupling	Z257022
F-Type Adaptor	• For ENDO-MATE TC2, DT Heads	Z280042
B2/M4 Adaptor	• For Borden 2 hole High Speed Handpieces	T904
QD Adaptor	• For NSK High Speed handpieces for QD couplings	Z257011

Check with the dealer for the adaptors to mount other manufacturers' handpieces.

Refill Maintenance Oil

MODEL	PRODUCTS	ORDER CODE
Maintenance Oil for iCare (1 Bottle, 1 litre)		Z016130
Maintenance Oil for iCare (Pack of 6 Bottles)		Y1002783

MODEL	PRODUCTS	ORDER CODE
Mist Filter Set (door sponges)		Y900159
Oil Absorber Sheet		U433135

Multi Stands



NSK Multi Stand is the convenient way to organize and store NSK high and low speed handpieces and heads. Autoclavable at 135°C.



MODEL	ORDER CODE
Multi Stand Complete	Z036

• For NSK high speed and low speed attachments

MODEL	ORDER CODE
Multi Stand for Phatelus	Z036002

• 3 x Adaptor A • 2 x Adaptor C

Multi Stand Handpiece Adapters



MODEL	ORDER CODE	
Adaptor A	• For High speed handpieces and Phatelus air motors	Z036201
Adaptor B	• For E-Type *Low speed handpieces and Phatelus air motor heads	Z036202
Adaptor C	• For Phatelus and Mach couplings	Z036203
Adaptor KV	• For KaVo® MULTIflex® LUX	Z036204
Adaptor SR	• For Sirona® Quick Coupling	Z036205
Adaptor WH	• For W&H® Roto Quick	Z036207
Adaptor BA	• For Bien-Air® Unifix®	Z036206
Adaptor F	• For Endo-Mate TC2 / DT & iSD900 heads	Z036209

*E-Type: Conformable to ISO 3964.

PANA SPRAY Plus

PANA SPRAY Plus is a specially formulated, highly effective general handpiece and air motor lubricant. Frequent application of PANA SPRAY Plus will assure handpiece and air motor performance and durability. Apply PANA SPRAY Plus every time before autoclaving any handpiece or air motor.

MODEL	ORDER CODE
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Pana Spray Plus **Z182100**

- For High & Low speed handpieces, and air motors
- 500 mL • Alcohol-contained lubricant

MODEL	ORDER CODE
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Pana Spray Plus Package **Y900630**

- For high & low speed handpieces, and air motors
- Alcohol-based lubricant • 500ml PANA SPRAY Plus pack of 6

MODEL	ORDER CODE
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Tip Nozzle **Z020201**

- For oiling handpiece chucks, air motors, and Midwest or Borden direct connection turbines.



Spray Mist Absorber

A convenient way to contain mist spray from escaping into the environment. Simply insert the handpiece into the Absorber Pack then apply the spray lubricant.



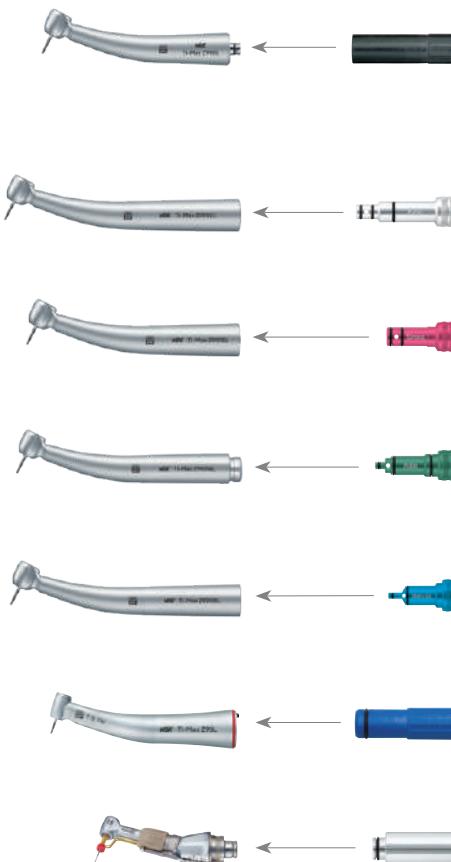
MODEL	ORDER CODE
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Spray Mist Absorber **Y900084**

- Pack of 10

PANA SPRAY Plus Nozzles

135°C



*E-Type: Conformable to ISO 3964.

Multi Gauge

Measures handpiece tubing pressure. This includes drive air and water pressures.

Where applicable it also measures exhaust air and coolant air. Midwest 4 hole and Borden 2/3 hole fittings are available.



MODEL	ORDER CODE
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Phatelus Spray Nozzle **P183090**

- For High speed attachments and air motors which attach to Phatelus and Mach Couplings

MODEL	ORDER CODE
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KV Nozzle **Z090051**

- For KaVo® MULTiflex® LUX

MODEL	ORDER CODE
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SR Nozzle **Z090052**

- For Sirona® Quick Coupling

MODEL	ORDER CODE
-------	------------

WH Nozzle **Z090054**

- For W&H® Roto Quick

MODEL	ORDER CODE
-------	------------

BA Nozzle **Z090053**

- For Bien-Air® Unifix®

MODEL	ORDER CODE
-------	------------

E-Type Spray Nozzle **Z019090**

- For E-Type* attachments

MODEL	ORDER CODE
-------	------------

F-Type Spray Nozzle **Z256090**

- For Endo-Mate TC2 / DT & iSD900 heads

Handpieces Air Pressures

MODEL	Air Pressures MPa (kgf/cm ²)
Air Turbine	
Ti-Max Z	PTL, KL: 0.25-0.42 MPa (2.5-4.2 kgf/cm ²) SL: 0.25-0.30 MPa (2.5-3.0 kgf/cm ²) BL: 0.25-0.32 MPa (2.5-3.2 kgf/cm ²) WL: 0.25-0.33 MPa (2.5-3.3 kgf/cm ²)
S-Max M	PTL: 0.20-0.25 MPa (2.0-2.5 kgf/cm ²) K, KL, SL, W, WL, WLED, BL, BLED: 0.25-0.30 MPa (2.5-3.0 kgf/cm ²)
S-Max pico	0.25-0.30 MPa (2.5-3.0 kgf/cm ²)
Ti-Max X450	0.18-0.22 MPa (1.8-2.2 kgf/cm ²)
Pana-Max PLUS	PTL, M4, B2: 0.20-0.25 MPa (2.0-2.5 kgf/cm ²) KV: 0.25-0.30 MPa (2.5-3.0 kgf/cm ²)
Pana-Max2	0.25-0.30 MPa (2.5-3.0 kgf/cm ²)
PRESTO AQUA LUX	
PRESTO AQUA II	
PRESTO II	0.20-0.25 MPa (2.0-2.5 kgf/cm ²)

MODEL	Air Pressures MPa (kgf/cm ²)
Air Motor	
Ti-Max X205L	0.20-0.25 MPa (2.0-2.5 kgf/cm ²)
DynaLED M205LG	
S-Max M205	
FX205m	
Oral Hygiene	
Ti-Max S970	0.30 MPa (3.0 kgf/cm ²)
AS2000	0.28 MPa (2.8 kgf/cm ²)
Prophy-Mate neo	0.27-0.40 MPa (2.7-4.0 kgf/cm ²)
Perio-Mate	0.30-0.40 MPa (3.0-4.0 kgf/cm ²)



DENTAL LABORATORY



ULTIMATE XL series



Great Hands Need Great Tools

The ULTIMATE XL Series offers a choice of four control units, according to space and user requirements. All functions are controlled by NSK's microcomputer which maintains smooth starting and stopping ensuring excellence in overall operability.

Advantages

- Lightweight and compact body
- Long-term durability
- Ergonomic shaped handpiece
- Minimal noise and vibration
- Special dust proof mechanism



ULTIMATE XL Series

Choice of 2 micromotors and 4 control units are available.

— Bench type —
ULTIMATE XL



UMXL-G

— Tower type —
ULTIMATE XL-D



UMXL-D

— Knee type —
ULTIMATE XL-K



UMXL-K

— Floor type —
ULTIMATE XL-F



UMXL-F

ULTIMATE XL

Bench Top System



Features

- Speed of 1,000-50,000 min⁻¹
- Digital Speed Display
- Maintenance Mode Setting
- Auto Cruise Function
- Error Code Display Function
- Brushless

* Not applicable to connect with an air turbine handpiece

	MODEL	ORDER CODE
Torque	UMXL-GT	Y141471
Compact	UMXL-GC	Y141472

Specifications

- Power Supply: AC 230 V 50/60 Hz
- Weight: 2.8 kg
- Dimensions : W 167 x D 247 x H 77 (mm)

Contents

- Control unit • Micromotor Handpiece
- Foot Control • Handpiece Stand

ULTIMATE XL-K

Knee Control System



Features

- Speed of 1,000-50,000 min⁻¹
- Digital Speed Display
- Maintenance Mode Setting
- Auto Cruise Function
- Error Code Display Function
- Available to connect with an air turbine adaptor
- Brushless

	MODEL	ORDER CODE
Torque	UMXL-KT	Y141495
Compact	UMXL-KC	Y141496

Specifications

- Power Supply: AC 230 V 50/60 Hz
- Dimensions : W 90 x D 270 x H 230 (mm)

Contents

- Control unit • Micromotor Handpiece
- Handpiece Stand

ULTIMATE XL-D

Bench Top Tower System



Features

- Speed of 1,000-50,000 min⁻¹
- Digital Speed Display
- Maintenance Mode Setting
- Auto Cruise Function
- Error Code Display Function
- Available to connect with an air turbine adaptor
- Brushless

	MODEL	ORDER CODE
Torque	UMXL-DT	Y141504
Compact	UMXL-DC	Y141505

Specifications

- Power Supply: AC 230 V 50/60 Hz • Weight: 3.3 kg
- Dimensions: W 81 x D 270 x H 230 (mm)

Contents

- Control unit • Micromotor Handpiece • Foot Control
- Handpiece Stand

ULTIMATE XL-F

Floor Type Foot Control System



Features

- Speed of 1,000-40,000 min⁻¹
- Auto Cruise Function
- Available to connect with an air turbine adaptor
- Brushless

* Speed and all other function are controlled via foot control. For safety, maximum speed preset to 40,000 min⁻¹.

	MODEL	ORDER CODE
Torque	UMXL-FT	Y141513
Compact	UMXL-FC	Y141514

Specifications

- Power Supply: AC 230 V 50/60 Hz
- Weight: 3.8 kg
- Dimensions: W 230 x D 292 x H 113 (mm)

Contents

- Control unit • Micromotor Handpiece
- Handpiece Stand



ULTIMATE XL

Features

- Ripple-free smooth rotation with 180° vector control system
- Powerful and stable torque across the entire speed range
- Easy-to-hold handpiece design ensures precision
- Lightweight compact body reduces hand fatigue and improves balance
- Unique dust-proof mechanism prevents contamination therefore achieving higher durability
- Minimal vibration, and noise from hermetically shielded micromotor unit
- Approximately 30% increased chuck strength enables you to work on a wider variety of materials
- Brushless



Torque Micromotor & Cord

- Speed: 1,000-50,000 min⁻¹
- Max. Torque : 8.7 Ncm

MODEL ORDER CODE

UMXL-T 2M Y141441

- Dimensions : L 151 x ø29 (mm)
- Weight : 215 g (Cord not included)
- Cord Length : 2 m



Compact Micromotor & Cord

- Speed: 1,000-50,000 min⁻¹
- Max. Torque : 6.0 Ncm

MODEL ORDER CODE

UMXL-C 2M Y141445

- Dimensions : L 144 x ø27 (mm)
- Weight : 181 g (Cord not included)
- Cord Length : 2 m



E-type Micromotor & Cord

- Speed: 1,000-50,000 min⁻¹
- Max. Torque : 6.0 Ncm

MODEL ORDER CODE

UMXL-EM 2M E342002

- Dimensions : L 118 x ø27 (mm)
- Weight : 129 g (Cord not included)
- Cord Length : 2 m

Turbine Adaptor TA50

For ULTIMATE XL-D, XL-K and XL-F

TA50 air turbine adaptor allows you to quickly switch power source between air turbine handpiece and electric micromotor. Both handpieces are equally controllable with a single foot control or knee control.



MODEL	ORDER CODE
TA50	U375

• Turbine adaptor • W 75 x D 100 x H 30 (mm)

Air turbine



PRESTO AQUA LUX



PRESTO AQUA II



PRESTO II

Turbine Adaptor TA50



ULTIMATE XL-D



ULTIMATE XL-K



ULTIMATE XL-F

* The air turbine is operated via the ULTIMATE XL foot control.



VOLVERE i7

Features

- Compact Design
- Automatic speed control
- Choice of foot or manual operation
- Ergonomic handpiece
- Special dust proof mechanism
- Extremely precise - Light and compact
- Hardly any vibrations, low noise level

Standard Micromotor



E-Type Micromotor



High Torque, High Efficiency Coreless Motor

The micromotor in the VOLVERE i7 handpiece has no core and generates less rotary momentum. This contributes to the controllability of the rotation speed and reduces uneven rotation. In addition, this motor has higher power efficiency compared to a conventional motor and can maintain constant speed even at high speeds.



VOLVERE i7 Complete Sets



MODEL	ORDER CODE
Standard	VOLVERE i7 RM
E-Type With Handpiece	VOLVERE i7 VR-EB
E-Type Without Handpiece	VOLVERE i7 E

Contents

- Control unit
- Micromotor Handpiece
- Foot control
- Handpiece Stand

Specifications

- Control Unit • Power Supply : AC 230 V 50/60 Hz • Dimensions : W 69 x D 185 x H 167 (mm) • Weight : 930 g
- Standard Type Motor Handpiece • Speed : 1,000-35,000 min⁻¹ • Max. Torque : 4.1 Ncm • Dimensions : L 145 x ø24.5 (mm) • Weight: 192 g (without cord) • Cord Length: 1.2 m
- E-Type Motor Handpiece • Speed: 1,000-35,000 min⁻¹ • Max. Torque: 4.1 Ncm • Dimensions: L 109.3 x ø24.5 (mm) • Weight: 118 g (without cord) • Cord Length : 1.2 m

PRESTO AQUA LUX

LIGHT + WATER

Near-daylight LED technology illuminates with pinpoint accuracy. From mist to drops - complete spray control. Light and water combination means precise control across a broad area.



LED light for optimum visibility

- Easy to use, showing you all the detail you require.
- LED illuminates any fine unevenness / air bubbles which cannot be seen under regular bench lighting, thus dramatically improving the quality of any adjustments.
- Enables precise work and assessment of materials under the microscope, which improves efficiency and reduces fatigue.

Advantages

- Simple and easy removal of the water bottle
- On-Off function of LED light and water coolant spray
- Capable of running independently with the incorporated water bottle or connected to mains water supply



Easy adjustment of the water coolant spray,
LED light and spray air



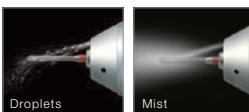
PRESTO AQUA LUX Complete Set

MODEL	ORDER CODE
PRESTO AQUA LUX	Y1001151

Contents

- PRESTO AQUA LUX Control unit
- PRESTO AQUA LUX handpiece • PR-AQL Hose
- Foot control (AFC-40) • Secondary hose for PRESTO
- Handpiece stand • PRESTO AQUA LUX Cord • AC Adaptor

PRESTO AQUA LUX Handpiece



Water Coolant Options



Optic	MODEL	ORDER CODE
●	PRA-LUX-HP	T1002

• PRESTO AQUA LUX handpiece

Optic	MODEL	ORDER CODE
—	PR-AQL Hose	Z1050

• LED incorporated

PRESTO AQUA II

Lube Free Air Turbine Handpiece with Water Spray

Advantages

- Simple and easy removal of the water bottle
- Seamless adjustments of water volume and spray air
- On-off function of water coolant spray
- Capable of running independently with the incorporated water bottle or connected to mains water supply



PRESTO AQUA II Complete Set

Optic	MODEL	ORDER CODE
—	PRESTO AQUA II	Y150023

Contents

- PRESTO AQUA II unit
- PRESTO AQUA handpiece
- QD-J B3 coupling
- Hose for PRESTO AQUA II
- Foot control (AFC-40)
- Secondary hose for PRESTO

PRESTO AQUA Handpiece

- 320,000 min⁻¹
- Water coolant spray
- Water coolant options
- Requires no lubrication
- Swivel twist-free handpiece
- Low noise and vibration
- Unique dust-proof mechanism



Optic	MODEL	ORDER CODE
—	PRA-HP	T816

- PRESTO AQUA handpiece

Optic	MODEL	ORDER CODE
—	QD-J B3	T354051

- PRESTO AQUA coupling

PRESTO II

Lube Free Air Turbine Handpiece

Advantages

- Lightweight and compact



PRESTO II Complete Set

Optic	MODEL	ORDER CODE
—	PRESTO II	Y150022

Contents

- PRESTO II unit
- PRESTO handpiece
- Handpiece stand
- Hose for PRESTO
- Foot control (AFC-40)
- Secondary hose for PRESTO

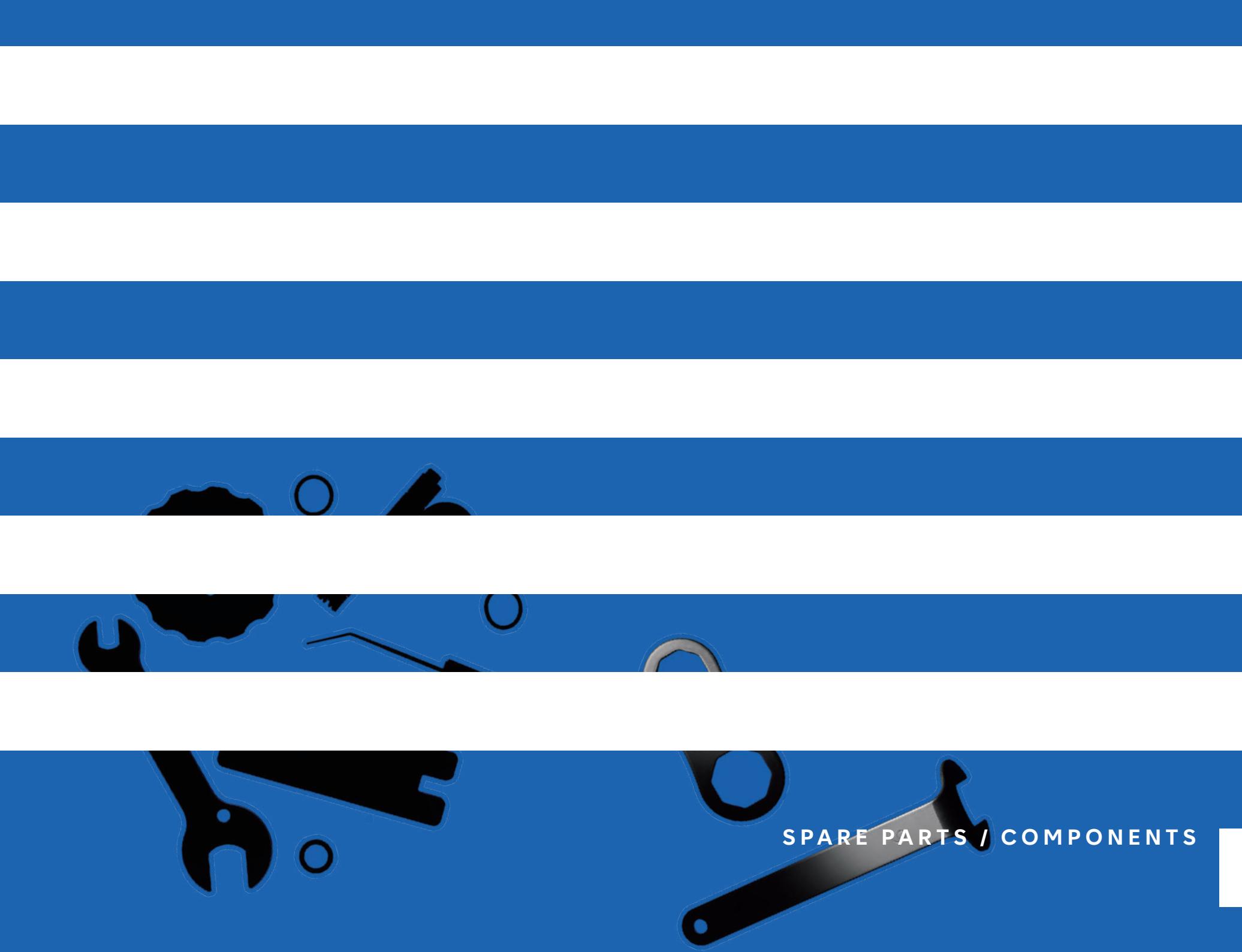
PRESTO Handpiece

- 320,000 min⁻¹
- Requires no lubrication
- Low noise and vibration
- Unique dust-proof mechanism



Optic	MODEL	ORDER CODE
—	PR-HP	T815

- Includes 2 m hose



SPARE PARTS / COMPONENTS

Ti-Max Z Series P.26-27

MODEL	PRODUCTS	ORDER CODE
SX3-NU03 Cartridge for Micro head		PA2307X001
TiZ9-MU03 Cartridge for Miniature head		PA2380X001
TiZ9-SU03 Cartridge for Standard head		PA2381X001
SX-NU04 Head cap for Micro head		PA2307X050
TiZ9-MU04 Head cap for Miniature head		PA2380X050
TiZ9-SU04 Head cap for Standard head		PA2381X050

MODEL	PRODUCTS	ORDER CODE
PTL O-ring Set (Pack of 5)		Y900580
S970 O-ring Set (Pack of 5)		Y1001953
SX-NU05 Head cap wrench for Micro Head		PA2307X765
TiZ9-SU05 Head cap wrench for Miniature head & Standard head		PA2381X765
Cleaning Wire		Z144101

S-Max M Series P.30-31

MODEL	PRODUCTS	ORDER CODE
SX-MU03 Cartridge for Miniature head		P1280
SX-SU03 Cartridge for Standard head		P1281
PTL O-ring Set (Pack of 5)		Y900580

MODEL	PRODUCTS	ORDER CODE
SX-MU04 Head cap for Miniature head		P1001500
SX-SU04(YOS) Head cap for Standard head		P1027500
SX-SU05 Head cap wrench for Miniature head & Standard head		20000535

S-Max pico Series P.34-35

MODEL	PRODUCTS	ORDER CODE
SX-PU03 Cartridge for S-Max pico		P1140200
PTL O-ring Set (Pack of 5)		Y900580

MODEL	PRODUCTS	ORDER CODE
SX-PU04 Head cap for S-Max pico		P1140500
SX-PU05 Head cap wrench for S-Max pico		20002803

Ti-Max X450 Series P.40-41

MODEL	PRODUCTS	ORDER CODE
PTL O-ring Set (Pack of 5)		Y900580

MODEL	PRODUCTS	ORDER CODE
Non-Retraction Valve		P401054

Pana-Max2 P.44-45

MODEL	PRODUCTS	ORDER CODE
PAX2-SU03 Cartridge		P1190
PAX2-SU04 Head cap		P1190050

MODEL	PRODUCTS	ORDER CODE
PAX2-SU05		P1190765

Pana-Max PLUS P.46-47

MODEL	PRODUCTS	ORDER CODE
SX-MU03 Cartridge for Miniature head		P1280
SX-SU03 Cartridge for Standard head		P1281
SX-MU04 Head cap for Miniature head		P1001500

MODEL	PRODUCTS	ORDER CODE
SX-SU04(YOS) Head cap for Standard head		P1027500
SX-SU05 Head cap wrench for Miniature head & Standard head		20000535

FX Series P.72-73

MODEL	PRODUCTS	ORDER CODE
FX25-04 Head cap for FX25m		C1052500
FX25-03 Cartridge for FX25m		C1052700
FX Spray nozzle For FX25m/FX15m		C1052702

MODEL	PRODUCTS	ORDER CODE
Spray Nozzle For FX65m		H019711
FX Wrench For FX25m		C1052701
Tube		Z166101

EX Series P.74-77

MODEL	PRODUCTS	ORDER CODE
FPB-03 Cartridge for FPB		C875060
NAC-03 Cartridge for NAC		C030011
BB-03 Cartridge for BB		C037015
NBB-03 Cartridge for NBBW		C210015
FFB-03 Cartridge for FFB		C884060
Spray Nozzle For NAC, BB, FPB, FFB, TEP		C032701

Varios Combi Pro P.104

MODEL	PRODUCTS	ORDER CODE
Chamber (For Prophy use)		U1135018
Chamber (For Perio use)		U1135019
Handpiece Hose (For Prophy use)		T1051001
Handpiece Hose (For Perio use)		T1053001
Powder Handpiece (For Prophy use)		T1074001
Powder Handpiece (For Perio use)		T1077001
Nozzle (For Prophy use)		T1074012
Nozzle (For Perio use)		T1077012
VCP Bottle Set		U1135017
VA2-LUX-HP Optic Handpiece		E351050

MODEL	PRODUCTS	ORDER CODE
Spray Nozzle For EX-5B, EX-6B		H019711
FPB-02 Middle Gear		C875012
NAC-02 Middle Gear		C032012
Cap Wrench For AR-Y(S)		C185751
Cap Wrench (Black)		C071751
Tube		Z166101

Varios Combi Pro P.104

MODEL	PRODUCTS	ORDER CODE
Sterilization case		Z1035001
Irrigation Pump		U1135079
O-ring set (Chamber Base Connector) (Pack of 5)		Y1003435
Chamber Cap		U1135089
O-ring For Chamber Cap		Y1003545
O-ring set (Irrigation Bottle)		Y1003544
O-ring 1 for the Handpiece Cord		Y1003546
O-ring set Handpiece Hose		Y1003500
O-ring set (Nozzle)		Y1003501
Air Hose 3.6 m		D0914406036
Spanner Wrench 5x8 (Pack of 2)		Y1001301

MODEL	PRODUCTS	ORDER CODE
Ring Wrench		T1074601
E TIP WRENCH		Z217399
Perio-Mate Nozzle Tip (Pack of 40)		Y1002741
Nozzle Tip Remover		T1043751
Lubrication Oil		Z016112
Cleaning Wire (L)		T798091
Cleaning Wire (S)		T798095
Cleaning File		T798092
Cleaning Brush		T798093
Unlocking tool		U1135256
Fuse		D1202220010

Varios 970 / 570 / 370 / 170 P.119-122

MODEL	PRODUCTS	ORDER CODE
VA2-LUX-HP Optic Handpiece		E351050
VA2-HP Non-Optic Handpiece		E350050
VA970LUX-SC Handpiece Cord for Varios 970 LUX		E351055
VA970-SC Handpiece Cord for Varios 970		E350055
VA170LUX-SC Handpiece Cord for Varios 170 LUX		E351056
VA170-SC Handpiece Cord for Varios 170		E350056
FC-70 Foot Control (2.5 m)		Z1008001
FC-71 Foot Control (5 m) for Varios 370		Z1008002
AC Adaptor (2 m) For Varios 570		Y1001762
AC Adaptor (5 m) For Varios 370		Y1001790
Water Supply Connector		U387030
Water Filter Set (2 m) 2 water supply tube, water filter, water filter case		U387040
Water Filter Set (4 m) For Varios 370 2 water supply tube, water filter, water filter case		U1007080
Water Supply Tube (2 m)		U387580
Water Supply Tube (4 m) For Varios 370		D0914406040
Water Filter Case		Y900069
Water Filter		U387042

MODEL	PRODUCTS	ORDER CODE
Tube Ring (Pack of 2)		Y900077
CR-10 Tip Wrench		Z221076
E Tip Replacement Wrench		Z217399
Tip Holder		Z221080
Tip Cover L		Z217850
Tip Cover S		Z217851
Sterilization case		Z1035001
Handpiece Holder For Varios 370		10001505
VA Bottle 400 (400 mL) For Varios 970		Z1047001
Irrigation Pump For Varios 970		10000643
O-ring For Handpiece Cord		D0310020080
O-ring Thin section For VA Bottle 400		D0312090100
O-ring Thin section For VA Bottle 400		D0310075150
Varios 350/370 Stand		Z254
Varios 350/370 Mounting Bracket		Z259
Control Unit Holder For Varios 370		Y1001812
Spanner Wrench 5x8 (Pack of 2)		Y1001301

S970 / AS2000 Air Scaler P.148-150

MODEL	PRODUCTS	ORDER CODE
CR-20 Tip Replacement Wrench with Torque Limiter		Z1090001
E Tip Replacement Wrench		Z217399
Tip Holder		Z2252080

Prophy-Mate neo P.108

MODEL	PRODUCTS	ORDER CODE
PMN-HP Handpiece with 60° nozzle head		T797010
Nozzle 60°		T797012
Nozzle 80°		T797013
Powder Case Cover		T798133
Gasket		T798135
O-ring (Front Nozzle)		D0312039070
O-ring (neo) (Rear Nozzle)		D0312029070
PTL O-ring Set (Pack of 5)		Y900580
PM O-ring Set (Pack of 3)		Y900054
Ring Wrench		T797601
Blower Nozzle-PTL (neo)		T798094

MODEL	PRODUCTS	ORDER CODE
Tip Cover L		Z217850
Tip Cover S		Z217851
S970 O-ring Set (Pack of 4) For S970		Y1001953

MODEL	PRODUCTS	ORDER CODE
Blower Nozzle-KV (neo)		T886094
Blower Nozzle-SR (neo)		T887094
Blower Nozzle-WH (neo)		T888094
Blower Nozzle-BA (neo)		T889094
Blower Nozzle-M4 (neo)		T884094
Blower Nozzle-B2 (neo)		T885094
Lubrication Oil		Z016112
Cleaning Wire (L)		T798091
Cleaning Wire (S)		T798095
Cleaning File		T798092
Cleaning Brush		T798093

Perio-Mate P.112

MODEL	PRODUCTS	ORDER CODE
PER-HP		T1043010
Nozzle		T1043012
Powder Case Cover		T798133
Gasket		T798135
O-ring (Front Nozzle)		D0312039070
O-ring (PER) (Rear Nozzle)		D0312023060
PTL O-ring Set (Pack of 5)		Y900580
PM O-ring Set (Pack of 3)		Y900054
Ring Wrench		T797601
Nozzle Tip Remover		T1043751
Blower Nozzle-PTL (PER)		T1042094

iProphy P.159

MODEL	PRODUCTS	ORDER CODE
iProphy Motor handpiece		EA11170020
iProphy Stand		UA10910020
AC ADAPTOR		Y1500014

MODEL	PRODUCTS	ORDER CODE
Blower Nozzle-KV (PER)		T1044094
Blower Nozzle-SR (PER)		T1046094
Blower Nozzle-WH (PER)		T1048094
Blower Nozzle-BA (PER)		T1050094
Blower Nozzle-M4 (PER)		T1052094
Blower Nozzle-B2 (PER)		T1054094
Lubrication Oil		Z016112
Cleaning Wire (L)		T798091
Cleaning Wire (S)		T798095
Cleaning File		T798092
Cleaning Brush		T798093

Washable in the
thermodisinfector135°C Autoclavable
up to 135°C

ENDO-MATE TC2 P.163

MODEL	PRODUCTS	ORDER CODE
Ni-MH Rechargeable Battery (Pack of 2)		Y900103
Battery Charger		U614
Power Cord		U439550

* Use only a rechargeable battery, size AAA Ni-MH (Nickel Metal Hydride). Never attempt to use a non rechargeable battery.

ENDO-MATE DT2 P.165

MODEL	PRODUCTS	ORDER CODE
ENDO-MATE DT2 Unit		U1138001
ENDO-MATE DT2 Motor and Cord		E1169001
ENDO-MATE DT adaptor		U480
Handpiece stand		Z095205

MODEL	PRODUCTS	ORDER CODE
Cord For MPA / MPAS		C876021
Connection Cord Clip		C876509

iPexII P.169

MODEL	PRODUCTS	ORDER CODE
iPexII File Clip		U1109351
iPexII Tester		U1109353

MODEL	PRODUCTS	ORDER CODE
iPexII Probe		U1109352
Lip Hook		U501513

ENDO-MATE TC2 / ENDO-MATE DT2 Heads

Heads for Endodontic Application

MODEL	PRODUCTS	ORDER CODE
MP-Y Miniature Head, for Ni-Ti files (ø2.35), Push Button Chuck		C547
		
	360° Rotation 	
MPA-Y Connection for Apex locator (for long shank), Miniature Head, for Ni-Ti files (ø2.35), Push Button Chuck		C548
		
	360° Rotation 	
MPAS-Y Connection for Apex locator (for short shank), Miniature Head, for Ni-Ti files (ø2.35), Push Button Chuck		C882
		
	360° Rotation 	

Dentalone P.175

MODEL	PRODUCTS	ORDER CODE
Saliva ejector with connector		57064
Hose		57064-1
Screwing cap suction, assembled		57068
Suction bottle complete		57072
Screwing cap water, assembled		57069
Water tank complete		57073
Cover assembled		57082
Socket assembled		57088

P.166-167

Endodontic Application

MODEL	PRODUCTS	ORDER CODE
FC 1:1 Direct Drive		C873
		
F4R 4:1 Reduction		C872
		
F10R 10:1 Reduction		C398
		
F16R 16:1 Reduction		C871
		
F20R 20:1 Reduction		C399
		

VIVA ace P.181

MODEL	PRODUCTS	ORDER CODE
isoE-LUX		Z1265
		
V-ace Vacuum Nozzle (Pack of 10)		S900070
		
V-ace Vacuum Hose Set		U1144074
		
V-ace Vacuum Bottle Set		U1146070
		
V-ace Vacuum Bottle Cap		UA11440195
		
V-ace Suction Waste Bottle		U1146075
		
VS Suction Waste Bottle Lid		Z1240051
		
Filter including O-Ring		UA11440189
		
O-Ring for Filter		D0312128060
		
V-ace 3 way Syringe Set		U1144040
		
V-ace 3 way Syringe Nozzle		U1144046
		
V-ace Vacuum Junction Hose		U1144753
		
Vacuum Cap A		U1144750
		

MODEL	PRODUCTS	ORDER CODE
Vacuum Cap B		U1144751
		
Hose Cap		U1144752
		
V-ace Water Bottle Set		U1146080
		
V-ace Water Bottle Cap		UA11460103
		
V-ace Water bottle		U1146085
		
FC-76S Foot Control		Z1082005
		
FC-70S Foot Control		Z1008006
		
AC Power Cord		U439550
		
Shoulder Belt		U1144370
		
Gasket For Water Bottle		U1144729
		
Gasket For Vacuum Bottle		U1144636
		
Gasket For Vacuum Bottle		Z1137352
		

VIVAMATE G5 P.183

MODEL	PRODUCTS	ORDER CODE
VIVAMATE G5 230V		U1068004
VMG30EM MC VIVAMATE G5 Micromotor with Cord		E1069002
FC-76M Foot Control		Z1082002 (Optional)
Handpiece Stand		Z095206

MODEL	PRODUCTS	ORDER CODE
Battery Pack		Y1002886
AC Adaptor For VIVAMATE G5		U1115
AC Power Cord		U439550
Carrying Set For VIVAMATE G5		Y1002171

Surgic Pro2 P.194-195

MODEL	PRODUCTS	ORDER CODE
SGL80M (Optic Motor & Cord)		Y1004211
SG80M (Non-Optic Motor & Cord)		Y1004212
FC-81 (FOOT CONTROL WIRELESS)		Z1401001
Coolant Solution Hanger Post		U370152
Irrigation Tube (Pack of 5)		Y900113

MODEL	PRODUCTS	ORDER CODE
AC Power Cord		U260414
Handpiece Stand		Z1402110
Tube Holder (Pack of 7)		Y900083
Protection Plug		10001595
Tube Holder		E1198105

Surgic Pro2 / VarioSurg 4 P.186-195, 218-223

MODEL	PRODUCTS	ORDER CODE
Link Stand3		ZA16230001

Surgic Pro+ P.200-201

MODEL	PRODUCTS	ORDER CODE
Tube Holder		E295105
Handpiece Stand		Z1029201
Irrigation Tube (Pack of 5)		Y900113
Coolant Solution Hanger Post		U370152

MODEL	PRODUCTS	ORDER CODE
Handle Set		Z1027001
Protection Plug		10001595
Tube Holder (Pack of 7)		Y900083
SG-CASE Sterilisation Cassette		20001348

VarioSurg 4 P.222-223

MODEL	PRODUCTS	ORDER CODE
E Tip Replacement		Z217399
Wrench For V10-S		
CR-40 For SG1A, SG8A, Socket Lift Tip VS Tip Wrench		Z305350
CR-30 Tip Wrench		10000977
Tips Holder		20001327
Handpiece Stand		Z1029201

Implant Handpieces P.202-208

MODEL	PRODUCTS	ORDER CODE
Internal Spray Nozzle		10000324
Nozzle Holder X-SG20L remove X-DSG20LH, X-DSG20h X-DSG20L, X-DSG20		20000396
Nozzle Holder For SG20		20000357

Implant Handpieces SGM / SGMS series P.209

MODEL	PRODUCTS	ORDER CODE
SGM-I Ultra Miniature Head Latch type		C293001
SGMS-I With Depth Indicator		C594001
ER16i 16:1 Reduction Handpiece		C628001
ER20i 20:1 Reduction Handpiece		C629001
Internal Spray Nozzle For SGM / SGMS		C293025
Irrigation Tube Clamp		C202750

MODEL	PRODUCTS	ORDER CODE
Coolant Solution Hanger Post		U370152
Irrigation Tube (Pack of 5)		Y900113
Tube Holder (Pack of 7)		Y900767
VA-SG-CASE Sterilization Cassette		20001326
Y-Connector		C823752
Cleaning Wire		20000512
Spray Nozzle For SGX-E20R		HA12000122
Link Stand3		ZA16230001
Wrench for Handpiece Attachment For SGM / SGMS		Z103101
Ruler For SGMS		Z217399
Depth Indicator (L) For SGMS		C594031
Depth Indicator (S) For SGMS		C594021

Micro Surgery Handpieces P.209

MODEL	PRODUCTS	ORDER CODE
Spray Nozzle For SGS, SGA		H263018

Micro Saw Handpieces P.210-211

MODEL	PRODUCTS	ORDER CODE
Spray Nozzle For SGR, SGT, SGO		SH162035

Osseo 100/100+ P.215

MODEL	PRODUCTS	ORDER CODE
MulTipeg Driver		55003
Sterile cover		55105
Mains adapter		55093
EU plug		55094

iSD900 P.217

MODEL	PRODUCTS	ORDER CODE
Quick Charger for iSD900		U1070001
Power Cord		U439550
Torque Calibrator		Z1056001

* Use only a rechargeable battery, size AAA Ni-MH (Nickel Metal Hydride). Never attempt to use a non rechargeable battery.

iCare+ P.253

MODEL	PRODUCTS	ORDER CODE
E-type O-ring joint (Pack of 4)		Y900185

MODEL	PRODUCTS	ORDER CODE
Spanner 8x5		K040751

MODEL	PRODUCTS	ORDER CODE
UK plug		55095
AU plug		55096
US plug		55097

MODEL	PRODUCTS	ORDER CODE
Calibration Bur		Z1057101
On/Off Switch Lever		Z1070001
Ni-MH Rechargeable Battery (Pack of 2)		Y900103

MODEL	PRODUCTS	ORDER CODE
Drip Tray		S103206

iCare P.257

MODEL	PRODUCTS	ORDER CODE
Maintenance Oil for iCare (1 Bottle, 1 litre)		Z016130
Chuck Cleaning Nozzle		Z257301
Air Filter		U508352

ULTIMATE XL / XL-D / XL-K / XL-F P.268-270

MODEL	PRODUCTS	ORDER CODE
UMXL-TM Motor Torque type (with 1.2 m cord)		E355
UMXL-CM Motor Compact type (with 1.2 m cord)		E356
UMXL-TM 2 M Motor Torque type (with 2 m cord)		E355002
UMXL-CM 2 M Motor Compact type (with 2 m cord)		E356002
UHRXL-T Attachment Torque type		H269
UHRXL-C Attachment Compact type		H271
Motor Cord T (Torque type 1.2 m)		E355051
Motor Cord C (Compact type 1.2 m)		E356051
Motor Cord T 2 M (Torque type 2 m)		E355055
Motor Cord C 2 M (Compact type 2 m)		E356055

MODEL	PRODUCTS	ORDER CODE
Mist Filter Set (door sponges)		Y900159
	• Pack of 12	
Oil Absorber Sheet		U433135
	• Pack of 10	
HP Head Filter (Pack of 200)		U1120118

MODEL	PRODUCTS	ORDER CODE
FC-64 Foot Control (For XL / XL-D)		Z304
Handpiece Stand (wrench is not included)		Z095201
Suspension Handpiece Cradle (For XL)		Z083
Chuck-2.35A		H203A180A
Handpiece Holder (For XL)		Y900770
Wrench for Locking Rotation		H269751
Wrench for Adjusting Chuck		K015751
Bracket Set (For XL-D / XL-K)		U364090
Fuse-T1.6A		D1202216010

VOLVERE i7 P.273

MODEL	PRODUCTS	ORDER CODE
GX35RM-B & SCD Motor + cord		E1179
GX35EM-B & SCD E-type motor + cord		E1180
UHR45C Handpiece for GX35RM-B		H203002
VR-EB E-Type Handpiece		H1062
Carbon Brush For GX35RM-B / GX35EM-B (Pack of 2)		E023011S

PRESTO AQUA LUX P.275

MODEL	PRODUCTS	ORDER CODE
PR-AQL Hose Coupling Hose		Z1050
PR-AQL03 PRESTO AQUA LUX Cartridge		T1002250
Handpiece Stand		Z095206

PRESTO AQUA II P.276

MODEL	PRODUCTS	ORDER CODE
Hose for PRESTO AQUA II		Z308050
QD-J B3 Coupling		T354051

MODEL	PRODUCTS	ORDER CODE
Chuck-2.35A		H203A180A
FC-76 Foot Control		Z1082
Handpiece Stand		Z095206
Wrench for Adjusting Chuck		K015751

PRESTO AQUA LUX / PRESTO AQUA II P.275-276

MODEL	PRODUCTS	ORDER CODE
Chuck		T815019
AFC-40 Foot Control		Z127
Secondary Hose for PRESTO (2 m)		Z101240
Water Filter Set (2 water supply tube, water filter, water filter case)		U387040
Water Filter with Case		Y900069
Water Filter		U387042
Tube Ring (Pack of 2)		Y900077
PRESTO II P.277		
MODEL	PRODUCTS	ORDER CODE
Handpiece Stand		Z010134
AFC-40 Foot Control		Z127
PR-03 PRESTO Cartridge		T815016
Chuck		T815019
Hose for PRESTO (2 m)		T815220

Turbine Cartridges Quick Guide

Handpiece	Cartridge	Head Cap			
PRODUCT NAME	MODEL	ORDER CODE	MODEL	ORDER CODE	
Z micro	Ti-Max Z micro	SX3-NU03	PA2307X001	SX-NU04	PA2307X050
Z micro KL / SL	Ti-Max Z micro KL / SL	SX3-NU03	PA2307X001	SX-NU04	PA2307X050
Z890L	Ti-Max Z890L	TiZ-MU03	PA2380X001	TiZ-MU04	PA2380X050
Z890KL / Z890SL	Ti-Max Z890KL / Z890SL	TiZ-MU03	PA2380X001	TiZ-MU04	PA2380X050
Z890WL / Z890BL	Ti-Max Z890WL / Z890BL	TiZ-MU03	PA2380X001	TiZ-MU04	PA2380X050
Z990L	Ti-Max Z990L	TiZ-SU03	PA2381X001	TiZ-SU04	PA2381X050
Z990KL / Z990SL	Ti-Max Z990KL / Z990SL	TiZ-SU03	PA2381X001	TiZ-SU04	PA2381X050
Z990WL / Z990BL	Ti-Max Z990WL / Z990BL	TiZ-SU03	PA2381X001	TiZ-SU04	PA2381X050
M800L / M800	S-Max M800L / M800	SX-MU03	P1280	SX-MU04	P1001500
M800KL / M800SL	S-Max M800KL / M800SL	SX-MU03	P1280	SX-MU04	P1001500
M800WL / M800BL	S-Max M800WL / M800BL	SX-MU03	P1280	SX-MU04	P1001500
M900L / M900	S-Max M900L / M900	SX-SU03	P1281	SX-SU04 (YOS)	P1027500
M900KL / M900K	S-Max M900KL / M900K	SX-SU03	P1281	SX-SU04 (YOS)	P1027500
M900SL	S-Max M900SL	SX-SU03	P1281	SX-SU04 (YOS)	P1027500
M900WL / M900W	S-Max M900WL / M900W	SX-SU03	P1281	SX-SU04 (YOS)	P1027500
M900BL	S-Max M900BL	SX-SU03	P1281	SX-SU04 (YOS)	P1027500
S-Max pico	S-Max pico	SX-PU03	P1140200	SX-PU04	P1140500
S-Max pico KL	S-Max pico KL	SX-PU03	P1140200	SX-PU04	P1140500
S-Max pico SL	S-Max pico SL	SX-PU03	P1140200	SX-PU04	P1140500
S-Max pico WLED	S-Max pico WLED	SX-PU03	P1140200	SX-PU04	P1140500
S-Max pico BLED	S-Max pico BLED	SX-PU03	P1140200	SX-PU04	P1140500
X450L	Ti-Max X450L	TiX45-SU03	Y1001906	TiX45-SU04	P1078500
X450KL / X450SL	Ti-Max X450KL / X450SL	TiX45-SU03	Y1001906	TiX45-SU04	P1078500
X450WLED / X450BLED	Ti-Max X450WLED / X450BLED	TiX45-SU03	Y1001906	TiX45-SU04	P1078500
Pana-Max2 PTL	Pana-Max2 PTL	PAX2-SU03	P1190	PAX2-SU04	P1190050
Pana-Max2 KV	Pana-Max2 KV	PAX2-SU03	P1190	PAX2-SU04	P1190050
Pana-Max2 M4 / B2	Pana-Max2 M4 / B2	PAX2-SU03	P1190	PAX2-SU04	P1190050
PAP-MU M4 / B2	Pana-Max PLUS MU	SX-MU03	P1280	SX-MU04	P1001500
PAP-SU M4 / B2	Pana-Max PLUS SU	SX-SU03	P1281	SX-SU04 (YOS)	P1027500
PRA-LUX-HP	Pieza de mano PRESTO AQUA LUX	PR-AQL03	T1002250	-	-
PRA-HP	Pieza de mano PRESTO AQUA	PR-AQ03	T816016	-	-
PR-HP	Pieza de mano PRESTO	PR-03	T815016	-	-

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