



CREATE IT.

## DENTAL LABORATORY

ULTIMATE XL Series / VOLVERE i7 / PRESTO Series

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# ULTIMATE XL Series Brushless Micromotor

## Great Hands Need Great Tools

The superior creative engine from NSK, as preferred by dental technicians worldwide.  
Letting skilled hands turn technique into form.



### Micromotor



#### Torque Micromotor & cord

MODEL : **UMXL-T 2 M** ORDER CODE : **Y141441**

- Speed : 1,000–50,000 min<sup>-1</sup>
- Max. torque : 8.7 Ncm
- Dimensions : L 151 x ø29 (mm)
- Weight : 215 g (cord not included)
- Cord length : 2 m



#### Compact Micromotor & cord

MODEL : **UMXL-C 2 M** ORDER CODE : **Y141445**

- Speed : 1,000–50,000 min<sup>-1</sup>
- Max. torque : 6.0 Ncm
- Dimensions : L 144 x ø27 (mm)
- Weight : 181 g (Cord not included)
- Cord length : 2 m



#### E-type Micromotor & cord

MODEL : **UMXL-EM 2 M** ORDER CODE : **E342002**

- Speed : 1,000–50,000 min<sup>-1</sup>
- Max. torque : 6.0 Ncm
- Dimensions : L 118 x ø27 (mm)
- Weight : 129 g (cord not included)
- Cord length : 2 m

# ULTIMATE XL Series Brushless Micromotor

## Powerful and Comfortable

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.



### 180° vector motor control

Ripple-free smooth rotation with 180° vector control system. Powerful and stable torque across the entire speed range.

### Low noise, low vibration

Minimal vibration, and noise from hermetically shielded micromotor unit. Approximately 30% increased chuck strength enables you to work on a wider variety of materials.

## ULTIMATE XL

### Bench Top System BRUSHLESS



#### Features

- Speed of 1,000–50,000 min<sup>-1</sup>
- Digital speed display
- Maintenance mode setting
- Auto cruise function
- Error code display function

\* Not applicable to connect with an air turbine handpiece

**Torque** MODEL : **UMXL-GT (230 V)** ORDER CODE : **Y141471**

**Compact** MODEL : **UMXL-GC (230 V)** ORDER CODE : **Y141472**

#### Contents :

- Control unit ● Micromotor handpiece ● Foot control ● Handpiece stand

#### Specifications :

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



## ULTIMATE XL-D

### Bench Top Tower System BRUSHLESS



#### Features

- Speed of 1,000–50,000 min<sup>-1</sup>
- Digital speed display
- Maintenance mode setting
- Auto cruise function
- Error code display function
- Available to connect with an air turbine adaptor

**Torque** MODEL : **UMXL-DT (230 V)** ORDER CODE : **Y141504**

**Compact** MODEL : **UMXL-DC (230 V)** ORDER CODE : **Y141505**

#### Contents :

- Control unit ● Micromotor handpiece ● Foot control ● Handpiece stand

#### Specifications :

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

ULTIMATE XL-D can also operate air turbine handpieces by simply attaching the optional air turbine adaptor.



An optional bracket is available for wall mounting.



# ULTIMATE XL-K



## Knee Control System **BRUSHLESS**

### Features

- Speed of 1,000~50,000 min<sup>-1</sup>
- Digital speed display
- Maintenance mode setting
- Auto cruise function
- Error code display function
- Available to connect with an air turbine adaptor



**Torque** MODEL : **UMXL-KT (230 V)** ORDER CODE : **Y141495**

**Compact** MODEL : **UMXL-KC (230 V)** ORDER CODE : **Y141496**

### Contents :

- Control unit ● Micromotor handpiece ● Handpiece stand

### Specifications :

- Power supply : AC 230 V 50/60 Hz
- Weight : 3.2 kg
- Dimensions : W 90 x D 270 x H 230 (mm)

ULTIMATE XL-K can also operate air turbine handpieces by simply attaching the optional air turbine adaptor.



Bracket is available for wall mounting.



# ULTIMATE XL-F



## Floor Type Foot Control System **BRUSHLESS**

### Features

- Speed of 1,000~40,000 min<sup>-1</sup>
- Auto cruise function
- Available to connect with an air turbine adaptor

\* Speed and all other function are controlled via foot control.  
For safety, maximum speed preset to 40,000 min<sup>-1</sup>.



**Torque** MODEL : **UMXL-FT (230 V)** ORDER CODE : **Y141513**

**Compact** MODEL : **UMXL-FC (230 V)** ORDER CODE : **Y141514**

### Contents :

- Control unit ● Micromotor handpiece ● Handpiece stand

### Specifications :

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

ULTIMATE XL-F can also operate air turbine handpieces by simply attaching the optional air turbine adaptor.



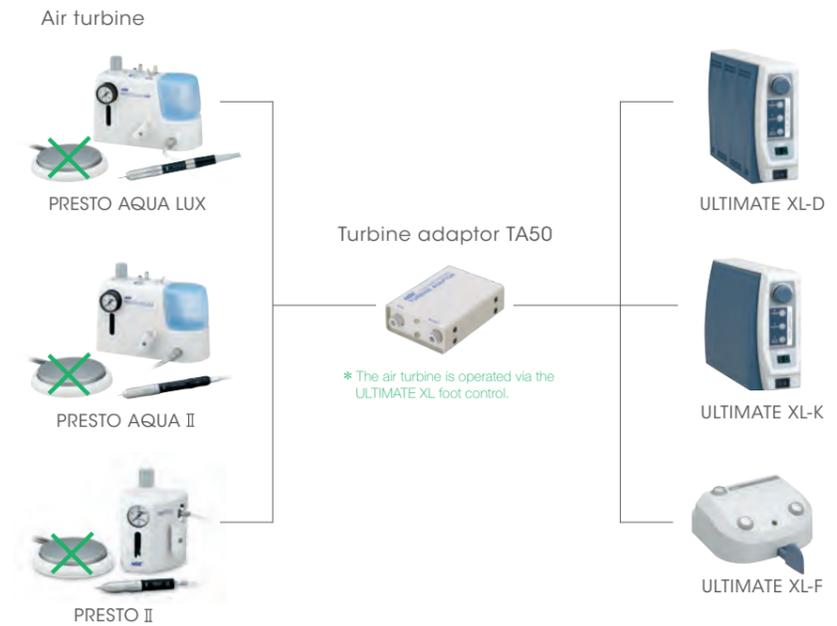
## TURBINE ADAPTOR TA50 For ULTIMATE XL-D, XL-K and XL-F

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 : **TA50** ORDER CODE : **U375**

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



# VOLVERE i7 Coreless Micromotor

## Compact & Smart

A User-Friendly Micromotor for Any Dental Laboratory

The VOLVERE i7 is another advance in NSK's quest to provide dental technicians access to its globally renowned dental laboratory engines. The stylish VOLVERE i7 delivers a compact, advanced design, all essential features and excellent value for money.



### Light and compact to fit into the smallest space

The unit is just 69 mm wide and weighs only 930 g. It can safely be placed on workbench shelves to save space on the worktop.

### Microcomputer control

Knowledge gained from many years of experience and NSK's cutting edge dental laboratory technologies are incorporated into a high performance microcomputer with its CPU. This microcomputer provides excellent control and constantly monitors the motion of the motor to provide smooth starting and stopping. If changing rotation direction while the motor is running, the microcomputer waits and checks that the motor has completely stopped before changing the rotation direction. The motor starts and stops without any jolts and runs extremely smoothly to maximize user comfort.

### Standard Micromotor



Speed:  
1,000~35,000 min<sup>-1</sup>

### E-type



Speed:  
1,000~35,000 min<sup>-1</sup>

### Ergonomic handpiece



This handpiece incorporates the latest ergonomics, just like all NSK models. The grip is easy to hold and minimises fatigue, enhancing the precision of dental laboratory work.

### 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.

### Special dust proof mechanism

The handpiece has a patented built-in dust-proof system to prevent the ingress of debris into the bearings.

#### Standard micromotor system

MODEL : VOLVERE i7 RM (230 V) ORDER CODE : Y1002890

Contents :

- VOLVERE i7 control unit ● Micromotor handpiece ● Foot control ● Handpiece stand

#### E-type micromotor system With handpiece

MODEL : VOLVERE i7 EB (230 V) ORDER CODE : Y1002891

Contents :

- VOLVERE i7 control unit ● E-type handpiece ● E-type micromotor ● Foot control ● Handpiece stand

#### E-type micromotor system Without handpiece

MODEL : VOLVERE i7 E (230 V) ORDER CODE : Y1003523

Contents :

- VOLVERE i7 control unit ● E-type micromotor ● Foot control ● Handpiece stand



#### Specifications :

<b>Control unit</b> • Power supply : AC 230 V 50/60 Hz • Dimensions : W 69 x D 185 x H 167 mm • Weight : 930 g	<b>Standard type motor handpiece</b> • Speed : 1,000~35,000 min <sup>-1</sup> • Max. torque : 4.1 Ncm • Dimensions : L 145 x ø24.5 mm	• Weight : 192 g (without cord) • Cord length : 1.2 m	<b>E-type motor handpiece</b> • Speed : 1,000~35,000 min <sup>-1</sup> • Max. torque : 4.1 Ncm • Dimensions : L 109.3 x ø24.5 mm	• Weight : 118 g (without cord) • Cord length : 1.2 m
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# PRESTO AQUA LUX

Lube Free Air Turbine Handpiece with LED

## 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.



# PRESTO AQUA LUX

OPTIC

Lube free air turbine handpiece with LED

### Features

- 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



MODEL : PRESTO AQUA LUX (230 V) ORDER CODE : 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 II

NON-OPTIC

Lube free air turbine handpiece with water spray

### Features

- 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



MODEL : PRESTO AQUA II ORDER CODE : 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 II

NON-OPTIC

Lube free air turbine handpiece

### Features

- Lightweight and compact



MODEL : PRESTO II ORDER CODE : Y150022

### Contents :

- PRESTO II unit ● PRESTO handpiece ● Handpiece stand ● Hose for PRESTO
- Foot control (AFC-40) ● Secondary hose for PRESTO

ULTIMATE XL Series

VOLVERE 17

PRESTO Series

Spare Parts

# Spare Parts

## ULTIMATE XL / XL-D / XL-K / XL-F

MODEL	PRODUCTS	ORDER CODE
<b>UMXL-G</b> Control unit bench type		Y141468
<b>UMXL-D</b> Control unit tower type		Y141503
<b>UMXL-K</b> Control unit knee type		Y141494
<b>UMXL-F</b> Control unit floor type		Y141512
<b>UMXL-TP</b> Motor handpiece torque type (with 1.2 m cord)		Y141442
<b>UMXL-C</b> Motor handpiece compact type (with 1.2 m cord)		Y141444
<b>UMXL-TM</b> Motor torque type (with 1.2 m cord)		E355
<b>UMXL-CM</b> Motor compact type (with 1.2 m cord)		E356
<b>UMXL-TM 2 M</b> Motor torque type (with 2 m cord)		E355002

MODEL	PRODUCTS	ORDER CODE
<b>UMXL-CM 2 M</b> Motor compact type (with 2 m cord)		E356002
<b>UHRXL-T</b> Attachment torque type		H269
<b>UHRXL-C</b> Attachment compact type		H271
<b>UMXL-EM</b> Motor E-type (with 1.2 m cord)		E342
<b>Motor cord T</b> (torque type 1.2 m)		E355051
<b>Motor cord C</b> (compact type 1.2 m)		E356051
<b>Motor cord T 2 M</b> (torque type 2 m)		E355055
<b>Motor cord C 2 M</b> (compact type 2 m)		E356055
<b>FC-64</b> Foot control (for XL / XL-D)		Z304

MODEL	PRODUCTS	ORDER CODE
<b>Handpiece stand</b> (Wrench is not included)		Z095201
<b>Suspension handpiece cradle</b> (for XL)		Z083
<b>Chuck-2.35 A</b>		H203A180A
<b>Handpiece Holder</b> (for XL)		Y900770
<b>Wrench for locking rotation</b>		H269751
<b>Wrench for adjusting chuck</b>		K015751
<b>TA50</b> Turbine Adaptor (for XL-D, XL-K and XL-F)		U375
<b>Bracket set</b> (for XL-D / XL-K)		U364090
<b>Fuse-T1.6 A</b> (230 V)		D1202216010

## VOLVERE i7

MODEL	PRODUCTS	ORDER CODE
<b>VOLVERE i7 unit</b>		U1137
<b>GX35RM-B &amp; SCD</b> Motor + cord		E1179
<b>GX35EM-B &amp; SCD</b> E-type motor + cord		E1180
<b>UHR45C</b> Handpiece for GX35RM-B		H203002

MODEL	PRODUCTS	ORDER CODE
<b>VR-EB</b> E-type handpiece		H1062
<b>Carbon brush</b> For GX35RM-B / GX35EM-B (pack of 2)		E023011S
<b>Chuck-2.35 A</b>		H203A180A

MODEL	PRODUCTS	ORDER CODE
<b>FC-76</b> Foot control		Z1082
<b>Handpiece stand</b>		Z095206
<b>Wrench for adjusting chuck</b>		K015751

## PRESTO AQUA LUX

MODEL	PRODUCTS	ORDER CODE
<b>PRESTO AQUA LUX control unit</b>		Z1038A002
<b>PRA-LUX-HP</b> PRESTO AQUA LUX handpiece		T1002
<b>PR-AQL Hose</b> Coupling hose		Z1050

MODEL	PRODUCTS	ORDER CODE
<b>PR-AQL03</b> PRESTO AQUA LUX cartridge		T1002250
<b>Handpiece stand</b>		Z095206
<b>AC adaptor</b> PR-AQL		U1044

MODEL	PRODUCTS	ORDER CODE
<b>PRESTO AQUA LUX cord (230 V)</b>		U439550
<b>PTL O-ring set</b> (pack of 5)		Y900580

## PRESTO AQUA II

MODEL	PRODUCTS	ORDER CODE
<b>PRESTO AQUA II unit</b>		Z308015
<b>PRA-HP</b> PRESTO AQUA handpiece		T816

MODEL	PRODUCTS	ORDER CODE
<b>Hose for PRESTO AQUA II</b>		Z308050
<b>QD-J B3</b> Coupling		T354051

MODEL	PRODUCTS	ORDER CODE
<b>PR-AQ03</b> PRESTO AQUA cartridge		T816016

## PRESTO AQUA LUX / PRESTO AQUA II

MODEL	PRODUCTS	ORDER CODE
<b>AFC-40</b> Foot control		Z127
<b>Chuck</b>		T815019
<b>Secondary hose for PRESTO</b> (2 m)		Z101240
<b>Water filter set (2 m)</b> 2 water supply tube, water filter, water filter case		U387040
<b>Water filter with case</b>		Y900069

MODEL	PRODUCTS	ORDER CODE
<b>Water filter</b>		U387042
<b>Tube ring</b> (pack of 2)		Y900077
<b>PRA II</b> Bottle set		Z308040
<b>PRA II</b> Bottle lid		Z308041
<b>PRA II</b> Bottle		Z308601

MODEL	PRODUCTS	ORDER CODE
<b>PRA II bottle O-ring set</b> (pack of 2)		Y900327
<b>Bracket set</b>		Z308060
<b>Chuck wrench</b>		C034751
<b>Bur-inserting tool</b>		T815030

## PRESTO II

MODEL	PRODUCTS	ORDER CODE
<b>PRESTO II unit</b>		Z307015
<b>PR-HP</b> PRESTO handpiece (includes 2 m hose)		T815
<b>AFC-40</b> Foot control		Z127
<b>Handpiece stand</b>		Z010134

MODEL	PRODUCTS	ORDER CODE
<b>PR-03</b> PRESTO cartridge		T815016
<b>Chuck</b>		T815019
<b>Hose for PRESTO</b> (2 m)		T815220
<b>Secondary hose for PRESTO</b> (2 m)		Z101240

MODEL	PRODUCTS	ORDER CODE
<b>LAB spanner wrench</b>		H005751
<b>Chuck wrench</b>		C034751
<b>Bur-inserting tool</b>		T815030