

DENTAL LABORATORY

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ULTIMATE XL Series

Powerful and Comfortable

Experience Unprecedented Smoothness and Power

The world's leading laboratory micromotor just got better. The ULTIMATE range has evolved to run even smoother and be more powerful. With 180° vector control system, it assures you to work more efficiently and stress-free. The handpiece shape has been designed extremely carefully with ergonomics and functionality always being at the forefront of the designer's mind. The result is a handpiece which considerably reduces hand fatigue and makes it easier to work on even the most delicate pieces of work for extended periods of time.

Experience the next-generation performance the ULTIMATE XL has to offer.



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

ULTIMATE XL Brushless Micromotor

Torque Micromotor & Cord

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



MODEL **UMXL-T** ORDER CODE **Y141440**

- Dimensions : L151 x ø29 (mm)
- Weight : 215 g (Cord not included)
- Cord Length : 1.2 m

Compact Micromotor & Cord

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



MODEL **UMXL-C** ORDER CODE **Y141444**

- Dimensions : L144 x ø27 (mm)
- Weight : 181 g (Cord not included)
- Cord Length : 1.2 m

E-type Micromotor & Cord

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



MODEL **UMXL-EM** ORDER CODE **E342**

- Dimensions : L118 x ø27 (mm)
- Weight : 129 g (Cord not included)
- Cord Length : 1.2 m

ULTIMATE XL Series

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.

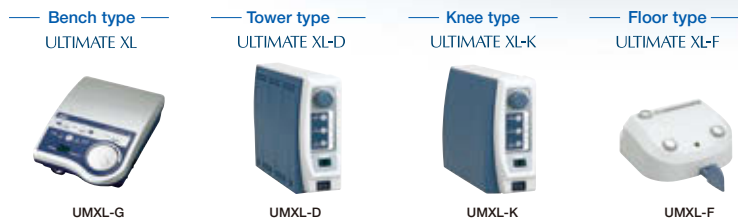
Advantages

- 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.



ULTIMATE XL

BRUSHLESS



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

*Not applicable to connect with an air turbine handpiece



Specifications

- Power Supply : AC 230V 50/60 Hz
- Weight : 2.8 kg
- Dimensions : W167 x D247 x H77 (mm)



ULTIMATE XL Systems

Torque	MODEL UMXL-GT	ORDER CODE Y141469
Compact	MODEL UMXL-GC	ORDER CODE Y141470

Contents

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

ULTIMATE XL-D

BRUSHLESS



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



An optional bracket is available for wall mounting.

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



Specifications

- Power Supply : AC 230V 50/60 Hz
- Weight : 3.3 kg
- Dimensions : W81 x D270 x H230 (mm)

ULTIMATE XL-D Systems

Torque MODEL UMXL-DT ORDER CODE Y141504

Compact MODEL UMXL-DC ORDER CODE Y141505



Contents

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

ULTIMATE XL-K

BRUSHLESS



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



Bracket is available for wall mounting.

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



Specifications

- Power Supply : AC 230V 50/60 Hz
- Weight : 3.2 kg
- Dimensions : W90 x D270 x H230 (mm)

ULTIMATE XL-K Systems

Torque MODEL UMXL-KT ORDER CODE Y141495

Compact MODEL UMXL-KC ORDER CODE Y141496



Contents

- Control unit • Micromotor Handpiece • Handpiece Stand

ULTIMATE XL-F

BRUSHLESS

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

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



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



Specifications

- Power Supply : AC 230V 50/60 Hz
- Weight : 3.8 kg
- Dimensions : W230 x D292 x H113 (mm)

ULTIMATE XL-F Systems

Torque MODEL UMXL-FT ORDER CODE Y141513

Compact MODEL UMXL-FC ORDER CODE Y141514



Contents

- Control unit • Micromotor Handpiece • Handpiece Stand

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 • W75 x D100 x H30 (mm)

Air turbine



PRESTO AQUA LUX



PRESTO AQUA II



PRESTO II

Turbine Adaptor TA50

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



ULTIMATE XL-D



ULTIMATE XL-K



ULTIMATE XL-F

VOLVERE i7 Coreless Micromotor

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.

Features

- Light and compact to fit into the smallest space
- Microcomputer Control
- Auto Cruise Function

Specifications

- Power Supply : AC 230V 50/60 Hz
- Dimensions : W69 x D185 x H167 (mm)
- Weight : 900 g



Powerful Torque and High Efficiency Micromotor

- Comfort grip
- Built-in Special dust proof mechanism
- High Precision
- Lightweight and compact
- Low vibration and noise



Specifications (Standard Type)

- Speed : 1,000~35,000 min⁻¹
- Max Torque : 4.1 Ncm
- Dimensions : L130 x ø24.5 (mm)
- Weight : 192 g (without cord)
- Cord Length : 1.2 m

MIO Coreless Micromotor

MIO delivers unmatched cost-performance ratio to the budget-conscious. With a speed range of 3,000~35,000 min⁻¹ and powerful torque throughout the entire range, MIO inherits NSK's high-end micromotor technology.

Features

- Special dust proof mechanism
- Speed range of 3,000~35,000 min⁻¹
- Coreless micromotor



Specifications

- | | |
|----------------------------|----------------------------------|
| Standard Micromotor | |
| • Speed | : 3,000~35,000 min ⁻¹ |
| • Dimensions | : L143 x ø24 (mm) |
| • Weight | : 191 g (without cord) |
| E-Type Micromotor | |
| • Speed | : 3,000~35,000 min ⁻¹ |
| • Dimensions | : L77.2 x ø24.5 (mm) |
| • Weight | : 104 g (without cord) |



VOLVERE i7 Complete Sets

Standard MODEL VOLVERE i7 RM ORDER CODE Y1002890

E-Type MODEL VOLVERE i7 E ORDER CODE Y1002891
Without Handpiece

Contents

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



MIO Complete Sets

Standard MODEL MIO MR 230 ORDER CODE Y140804

E-Type MODEL MIO E 230 ORDER CODE Y140805
Without Handpiece

Contents

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



PRESTO AQUA LUX Optic

Optimum Performance and Precision

Lube Free Air Turbine Handpiece with LED and Water Coolant Spray

Features

- 320,000 min⁻¹
- Water coolant spray
- Requires no lubrication
- Swivel twist-free handpiece
- Low noise and vibration
- Unique dust-proof mechanism
- NSK LED is equivalent to daylight



LED light enables you to work more efficiently

- Accurate lighting at the point of operation does not hide any detail, allowing you to focus on your work more easily.
- LED illuminates fine unevenness and air bubbles of the internal frames which can not be illuminated under the normal bench lighting, thus dramatically improving the quality of internal adjustments.
- Enables precise work and materials assessment 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



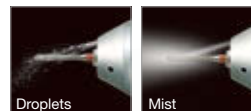
PRESTO AQUA LUX Complete Set

MODEL PRESTO AQUA LUX 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 LUX Handpiece



Water Coolant Options



Optic MODEL PRA-LUX-HP ORDER CODE T1002

- PRESTO AQUA LUX handpiece

MODEL PR-AQL Hose ORDER CODE Z1050

- LED incorporated

PRESTO AQUA II Non-Optic

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

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 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



Non-Optic MODEL PRA-HP ORDER CODE T816

- PRESTO AQUA handpiece

MODEL QD-J B3 ORDER CODE T354051

- PRESTO AQUA coupling

PRESTO II Non-Optic

Lube Free Air Turbine Handpiece

Advantages

- Lightweight and compact



PRESTO II Complete Set

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

PRESTO Handpiece

- 320,000 min⁻¹
- Requires no lubrication
- Low noise and vibration
- Unique dust-proof mechanism



Non-Optic MODEL PR-HP ORDER CODE T815

- Includes 2m hose