



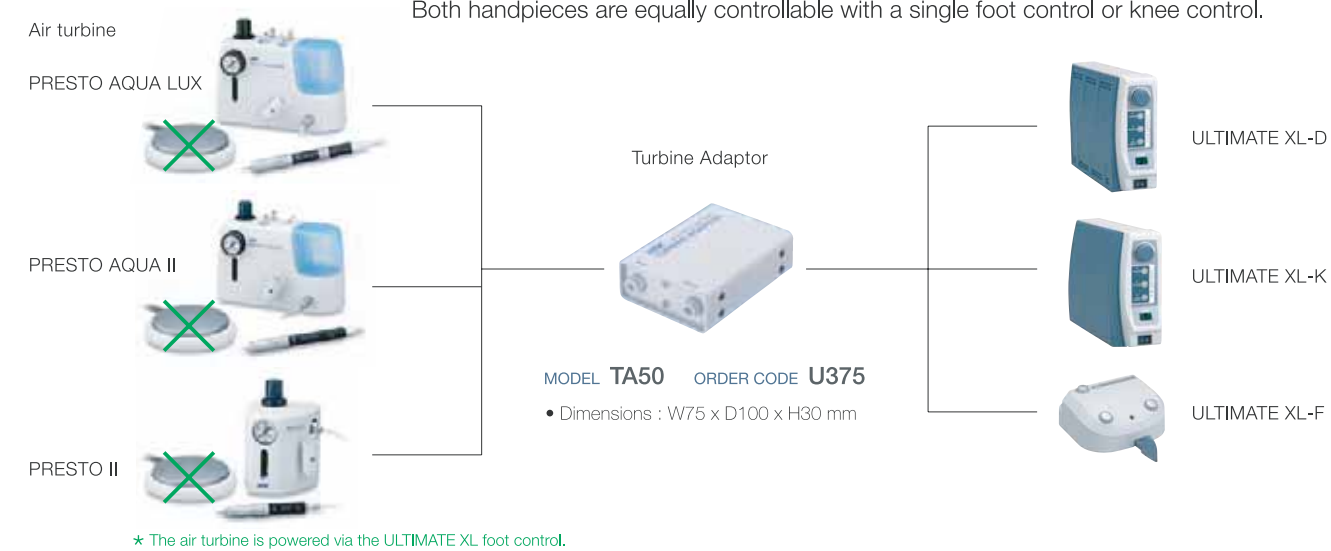
Ahead of World Standard

### Spare Parts

MODEL	PRODUCTS	ORDER CODE	MODEL	PRODUCTS	ORDER CODE	MODEL	PRODUCTS	ORDER CODE
UMXL-G (120V) Control unit Bench type		Y141465	UMXL-TM Motor Torque type (with 1.2m cord)		E355	Motor Cord C 2M Compact type (2m)		E356055
UMXL-G (230V) Control unit Bench type		Y141468	UMXL-CM Motor Compact type (with 1.2m cord)		E356	FC-64 Foot Control (For XL and XL-D)		Z304
UMXL-D (120V) Control unit Tower type		Y141500	UMXL-EM Motor E-type (with 1.2m cord)		E342	Handpiece Stand (Wrench is not included)		Z095201
UMXL-D (230V) Control unit Tower type		Y141503	UMXL-TM 2M Motor Torque type (with 2m cord)		E355002	Suspension Handpiece Cradle (For XL)		Z083
UMXL-K (120V) Control unit Knee type		Y141491	UMXL-CM 2M Motor Compact type (with 2m cord)		E356002	Chuck-2.35A		H203180
UMXL-K (230V) Control unit Knee type		Y141494	UMXL-EM 2M Motor E-type (with 2m cord)		E342002	Handpiece Holder (For XL)		Y900770
UMXL-F (120V) Control unit Floor type		Y141509	UHRXL-T Attachment Torque type		H269	Wrench for Locking Rotation		H269751
UMXL-F (230V) Control unit Floor type		Y141512	UHRXL-C Attachment Compact type		H271	Wrench for Adjusting Chuck		K015751
UMXL-T Motor handpiece Torque type (1.2m) (with 1.2m cord)		Y141440	Motor Cord T Torque type (1.2m)		E355051	TA50 Turbine Adaptor (For XL-D, XL-K and XL-F)		U375
UMXL-C Motor handpiece Compact type (with 1.2m cord)		Y141444	Motor Cord C Compact type (1.2m)		E356051	Bracket Set (For XL-D and XL-K)		U364090
UMXL-T 2M Motor handpiece Torque type (with 2m cord)		Y141441	Motor Cord T 2M Torque type (2m)		E355055	Fuse-T3.15A (120V) Fuse-T1.6A (230V)		1200131510 1200116010
UMXL-C 2M Motor handpiece Compact type (with 2m cord)		Y141445	<ul style="list-style-type: none"> <li>Control Unit with cord, Handpiece Stand and Handpiece Holder (Handpiece Holder is not equipped with XL-D, XL-K, XL-F)</li> <li>Motor handpiece with cord, wrench for Locking Rotation and Adjusting Chuck</li> <li>Motor with cord</li> </ul>					

### Turbine Adaptor TA50

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.



**NAKANISHI INC.** [www.nsk-inc.com](http://www.nsk-inc.com)  
 700 Shimohinata  
 Kanuma-shi  
 Tochigi 322-8666,  
 Japan  
 TEL : +81 (0)289-64-3380  
 FAX : +81 (0)289-62-5636

**NSK Europe GmbH** [www.nsk-europe.de](http://www.nsk-europe.de)  
 Ely-Berlinhof-Strasse 8  
 65760 Eschborn,  
 Germany  
 TEL : +49 (0)6196 77606-0  
 FAX : +49 (0)6196 77606-29

**NSK United Kingdom Ltd** [www.nsk-uk.com](http://www.nsk-uk.com)  
 Office 5, Gateway1000,  
 Arlington Business Park,  
 Whittle Way,  
 Stevenage, SG1 2FP, UK  
 TEL : +44 (0)1438 310670  
 FAX : +44 (0)1438 310671

**NSK America Corp** [www.nskamerica.com](http://www.nskamerica.com)  
 700 Cooper Court  
 Schaumburg,  
 IL 60173,  
 USA  
 TEL : +1 888 675 1675  
 FAX : +1 800 838 9328

**NSK Oceania Pty Ltd** [www.nsk-inc.com](http://www.nsk-inc.com)  
 Unit 22, 198-222 Young St  
 Waterloo, Sydney,  
 NSW 2017, Australia  
 TEL : +61 (0)2 8306 3000  
 FAX : +61 (0)2 8306 3030

**NSK Middle East** [www.nsk-inc.com](http://www.nsk-inc.com)  
 Room 6E-A701, 7th Floor,  
 East Wing No.6  
 Dubai Airport Free Zone,  
 PO Box 54316 Dubai, UAE  
 TEL : +971 (0)4-204-5507  
 FAX : +971 (0)4-204-5508

**NSK Asia** [www.nsk-inc.com](http://www.nsk-inc.com)  
 1 Maritime Square,  
 #09-33 HarbourFront Centre,  
 Singapore 099253  
 TEL : +65-6376-5018  
 FAX : +65-6376-0233

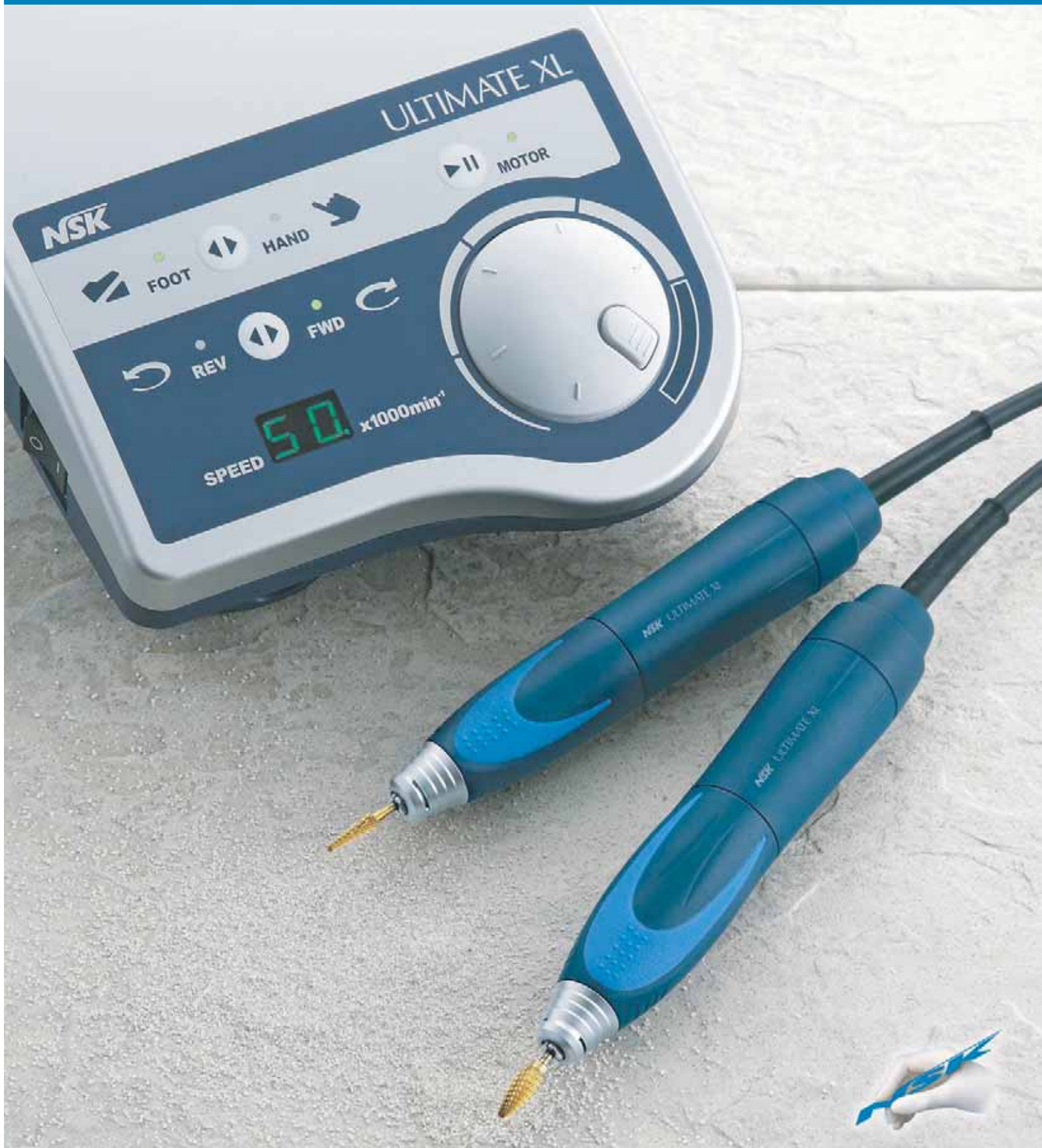
Specifications are subject to change without notice.

REF PR-D443E Ver.3 10.02.00.N

# NSK ULTIMATE XL SERIES BRUSHLESS MICROMOTOR

## powerful & comfortable

### ULTIMATE XL



Powerful Partners®

## 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

### Torque Micromotor & Cord

- Speed of 1,000 – 50,000 min<sup>-1</sup>
- Max. Torque of 8.7 N-cm



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

• Dimensions: L151 x ø29 mm • Weight: 219g (cord not included) • Cord Length: 1.2 m

### Compact Micromotor & Cord

- Speed of 1,000 – 50,000 min<sup>-1</sup>
- Max. Torque of 6.0 N-cm



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

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

### E-Type Micromotor & Cord

- Speed of 1,000 – 50,000 min<sup>-1</sup>
- Max. Torque of 6.0 N-cm



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

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

### Handpiece Size Comparison with ULTIMATE 500

#### Torque 15g Lighter



#### Compact 4g Lighter



## ULTIMATE XL Series BRUSHLESS

The ULTIMATE 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.

### Key Features

- Speed of 1,000–50,000min<sup>-1</sup> (XL/XL-D/XL-K)
- Precise control by microcomputer
- User-friendly design
- Auto Cruise Function
- Audible Function Check
- Easy-to-operate Display Panel
- Digital Speed Display (XL/XL-D/XL-K)
- Maintenance Mode Setting (XL/XL-D/XL-K)
- Error Code Display Function (XL/XL-D/XL-K)
- Available to connect with an air turbine adaptor (XL-D/XL-K/XL-F)

## ULTIMATE XL Bench Top System



Specifications

- Weight: 2.8Kg
- Dimensions: W167 x D247 x H77 mm

### ULTIMATE XL Systems



Torque	MODEL	UMXL-GT (120V)	ORDER CODE	Y141466
	MODEL	UMXL-GT (230V)	ORDER CODE	Y141469
Compact	MODEL	UMXL-GC (120V)	ORDER CODE	Y141467
	MODEL	UMXL-GC (230V)	ORDER CODE	Y141470

## ULTIMATE XL-D Bench Top Tower System

Bench Top Tower System

### ULTIMATE XL-D Systems



Contents

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

Torque	MODEL	UMXL-DT (120V)	ORDER CODE	Y141501
	MODEL	UMXL-DT (230V)	ORDER CODE	Y141504
Compact	MODEL	UMXL-DC (120V)	ORDER CODE	Y141502
	MODEL	UMXL-DC (230V)	ORDER CODE	Y141505

Specifications

- Weight: 3.3Kg
- Dimensions: W61 x D270 x H230 mm



## ULTIMATE XL-K Knee Control System

Knee Control System

### ULTIMATE XL-K Systems



Contents

- Control unit
- Micromotor Handpiece
- Handpiece Stand

Torque	MODEL	UMXL-KT (120V)	ORDER CODE	Y141492
	MODEL	UMXL-KT (230V)	ORDER CODE	Y141495
Compact	MODEL	UMXL-KC (120V)	ORDER CODE	Y141493
	MODEL	UMXL-KC (230V)	ORDER CODE	Y141496

Specifications

- Weight: 3.2Kg
- Dimensions: W90 x D270 x H230 mm



## ULTIMATE XL-F Floor Type Foot Control System

Floor Type Foot Control System Speed of 1,000–40,000min<sup>-1</sup>

### ULTIMATE XL-F Systems



Contents

- Control unit
- Micromotor Handpiece
- Handpiece Stand

Torque	MODEL	UMXL-FT (120V)	ORDER CODE	Y141510
	MODEL	UMXL-FT (230V)	ORDER CODE	Y141513
Compact	MODEL	UMXL-FC (120V)	ORDER CODE	Y141511
	MODEL	UMXL-FC (230V)	ORDER CODE	Y141514

Specifications

- Weight: 3.6Kg
- Dimensions: W230 x D292 x H113 mm



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