Micromotors electric and neuma

E-TYPE

SAESHIN - 123046 OZ-Plus Lab Hand Piece 50k Oly
SAESHIN - OZ-Plus Laboratory Handpiece Only 50000 rpm (50k) - Same as Saeshin Forte - SAESHIN - OZ-Plus Laboratory Handpiece Only 50000 rpm
E-Type Electric Micromotors
# 123046

Features:
X-Cube Implant E-Type Handpiece

SAESHIN - 115602 Saeshin STRONG Motor108EI only
SAESHIN- STRONG E-type Micromotor 108EI only - with Closed Cover cap + cable (autoclavable) + with Brushes. 35.000rpm S# 117B // 108EI | replacement Parts | SAESHIN - Strong Micromotor 108EI Only
Parts For Micro-motors
# 115602

Features:
* With Closed Cover cap + cable (autoclavable) and with Brushes.
* Polyvalent for polishing, surgery, casting and surface finish.
* Simple operation and easy.

Technical specifications:
* Speed range: 35.000rpm.
* Fusible: 2A.
* Supply voltage: AC 110 V or 230 V 50/60 Hz.

Made in Korea

HANDPIECES

MARATHON- 115071 HD Hdpce Brushless for Milling
MARATHON Complete Brushless Heavy Duty Handpiece only - For MILLING UNIT- 50.000 Rpm - M# BM40 Z - Good for Eco 1000 - Handy 700 - Handy 600 - ) Marathon - Complete Brushless Heavy Duty
Handpcs For Lab Micromotor
# 115071 - Mfg # BM40Z

Features:
* For Milling unit
* 50.000 Rpm
* Good for Eco 1000
* Handy 700 - Handy 600
MARATHON- 115072 HD Hndpce Brushles BK-Tip Only

MARATHON- BACK TIP only - For Brushless Heavy Duty Handpiece for Milling Unit - 55000 rpm M # BM40 Z - For micromotor of milling unit
Ecco - This is the part that includes the cable - and connects to the control unit - MARATHON - Back Tip Only
Handpcs For Lab Micromotor
# 115072

Features:
* For Brushless Heavy Duty Handpiece for Milling Unit.
* 55000 rpm
* For micromotor of milling unit Ecco
* This is the part that includes the cable - and connects to the control unit

NSK - 100720 Hndpce Only Mio & Volv & Vmax

NSK - Hand Piece Only Extra Torque for Mio MR & Volvere & Vmax (NSK# Y140-802) - Handpiece only --Made in Japan - Pieza de mano sola para Mio MR 110 volts - [ Replacement Parts ] || [ this is an Original NSK handpiece - Factory sealed box - Made in Japan - Brand new - Never opened - with Factory Warranty ]
Handpcs for Lab Micromotor
# 100720 - Mfg # Y140-802

Features:
Por Mio MR & Volvere & Vmax - Handpiece only - Made in Japan - Pieza de mano sola para Mio MR 110 volts - Replacement Parts this is an Original NSK handpiece - Factory sealed box - Made in Japan - Brand new - Never opened - with Factory Warrant.

NSK- 101136 HP Torque only for Ultim 500

NSK - Hand Piece Torque for Ultimate 500 - Hand piece only - [ N# UM50T - UM500 UM-500 ] (NSK# Y140-562
P# 10-02-33) - Made in Japan - Pieza de mano torque para ultimate 500 - [ Replacement Parts ] || [ this is an Original NSK handpiece - Factory sealed box - Made in Japan - Brand new - Never opened - with Factory Warranty ]
Handpiece For Lab Micromotor
# 101136 - Mfg # UM50T

Features:
NSKs ULTIMATE 500 delivers powerful 8.7 N cm torque for more demanding laboratory works. Thanks to its brushless design the motor eliminates the need of carbon brush replacement. NSK s super precision engineering ensures the bur concentricity tolerance within 0.02 mm or less. Its hermetically sealed enclosure reduces noise level by 20% compared with conventional models. Ergonomically designed grip and well-balanced, lightweight body offers unmatched comfort of use and fatigue-free operation.

Description:
* Ultimate 500 Handpiece Torque UM5
* Speed: 1,000 ~ 50,000 min
* Brushless micromotor eliminates the need of brush replacement
* Hermetic enclosure for quieter operation with lower vibration
* Unique dust-proof mechanism to protect internal components Super precision engineering ensures 0.02 mm or less bur concentricity
* Ergonomically designed, lightweight & well-balanced bod
* Proven long term durability tested through over 5,000 - hour continuous operation
* Torque: 8.7 Ncm
* Dimensions: L 164 x 29 ( mm )
* Weight: 230 g ( without cord )
* Cable length: 1.2 m

NSK - 100720 Hndpce Only Mio & Volv & Vmax

NSK - Hand Piece Only Extra Torque for Mio MR & Volvere & Vmax (NSK# Y140-802) - Handpiece only --Made in Japan - Pieza de mano sola para Mio MR 110 volts - [ Replacement Parts ] || [ this is an Original NSK handpiece - Factory sealed box - Made in Japan - Brand new - Never opened - with Factory Warranty ]
Handpcs for Lab Micromotor
# 100720 - Mfg # Y140-802

Features:
Por Mio MR & Volvere & Vmax - Handpiece only - Made in Japan - Pieza de mano sola para Mio MR 110 volts - Replacement Parts this is an Original NSK handpiece - Factory sealed box - Made in Japan - Brand new - Never opened - with Factory Warrant.

NSK- 101136 HP Torque only for Ultim 500

NSK - Hand Piece Torque for Ultimate 500 - Hand piece only - [ N# UM50T - UM500 UM-500 ] (NSK# Y140-562
P# 10-02-33) - Made in Japan - Pieza de mano torque para ultimate 500 - [ Replacement Parts ] || [ this is an Original NSK handpiece - Factory sealed box - Made in Japan - Brand new - Never opened - with Factory Warranty ]
Handpiece For Lab Micromotor
# 101136 - Mfg # UM50T

Features:
NSKs ULTIMATE 500 delivers powerful 8.7 N cm torque for more demanding laboratory works. Thanks to its brushless design the motor eliminates the need of carbon brush replacement. NSK s super precision engineering ensures the bur concentricity tolerance within 0.02 mm or less. Its hermetically sealed enclosure reduces noise level by 20% compared with conventional models. Ergonomically designed grip and well-balanced, lightweight body offers unmatched comfort of use and fatigue-free operation.

Description:
* Ultimate 500 Handpiece Torque UM5
* Speed: 1,000 ~ 50,000 min
* Brushless micromotor eliminates the need of brush replacement
* Hermetic enclosure for quieter operation with lower vibration
* Unique dust-proof mechanism to protect internal components Super precision engineering ensures 0.02 mm or less bur concentricity
* Ergonomically designed, lightweight & well-balanced bod
* Proven long term durability tested through over 5,000 - hour continuous operation
* Torque: 8.7 Ncm
* Dimensions: L 164 x 29 ( mm )
* Weight: 230 g ( without cord )
* Cable length: 1.2 m
<table>
<thead>
<tr>
<th>Product Code</th>
<th>Model</th>
<th>Description</th>
<th>Features</th>
<th>Price</th>
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<tbody>
<tr>
<td>MARATHON-101733</td>
<td>Micro Hndpce Brushless only</td>
<td>MARATHON Brushless Heavy Duty Handpiece - 50,000 Rpm - M# BH60 &amp; HP:BM50M - Works with Eco-1000 Handy 700 - Handy 600</td>
<td>* 50,000 Rpm * M# BH60 &amp; HP: BM50M * Works with Eco-1000 - Handy 700 - Handy 600</td>
<td>US$ 354.90</td>
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<td>MARATHON-112402</td>
<td>Micro Hndpce FRONT TIP Only</td>
<td>Marathon- FRONT TIP only - For Brushless Heavy Duty Handpiece - 3mm CHUCK - 55000 rpm for micromotor - (For Milling machine Ecco)</td>
<td>* For Brushless Heavy Duty Handpiece * 3mm CHUCK * 55000 rpm for micromotor * For Milling machine Ecco</td>
<td>US$ 265.00</td>
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<td>KEYSTONE-034-1530160</td>
<td>Micro Hndpce Only 0.094in</td>
<td>KEYSTONE - Micromotor Handpiece Only - 0.094in Collet</td>
<td>Micromotor Handpiece Only - 0.094in Collet</td>
<td>US$ 409.85</td>
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<tr>
<td>MARATHON-100555</td>
<td>Micro Hndpce Only 35000rpm</td>
<td>MARATHON - Handpiece only 35000rpm for micromotor - Good for Handy 700 - Escort 2 &amp; 3</td>
<td>* 35000rpm * J# MO1055</td>
<td>US$ 85.00</td>
</tr>
<tr>
<td>MARATHON-102345</td>
<td>Micro Hndpce Only 40,000rpm</td>
<td>MARATHON Handpiece Only 40000rpm for micromotor - good for MARATHON 7 and others</td>
<td>* For micromotor. * Good for Marathon 7 and others * 40000rpm * Hanpice number: SH37SN</td>
<td>US$ 94.00</td>
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</tbody>
</table>
**MARATHON- 100714 Micro Hndpce Only 45000rpm**

Marathon Handpiece only 45000rpm for micromotor - Good for - Escort 2 N1 ) SH37SN or SH37LN MARATHON

- Handpiece Only
- Handpcs For Lab Micromotor
# 100714

Features:
* For micromotor.
* Good for Escort 2 N1
* 45000rpm

**NSK- 379-VRE VRE E-type Handpce Only**

NSK - E Type Handpiece only For Volvere E Intra System Para Volvere Junior O Mio or Vmax [VRE o VHE] [ Nsk # H178-001 ] Made in Japan [ Replacement Parts ] this is an Original NSK handpiece - Factory sealed box - Made in Japan - Brand new - Never opened - with Factory Warranty 

- Handpcs for Lab Micromotor
# 039-VRE - Mfg # H178-001

Features:
Volvere Junior O Mio or Vmax - Made in Japan ( Replacement Parts ) this is an Original NSK handpiece - Factory sealed box - Made in Japan - Brand new - Never opened - with Factory Warranty

**MARATHON - 200086-200 Handy-700 Micro Comp 220v 2 HP**


- Micromotors for Laboratory
# 200086-220

Features:
* Control Unit
* On/Off Pedal
* 3500RPM
* 2 HANDPIECES
* 1 Brushless 50000RPM
* 1 with Brushes 3500RPM
* Handpiece Stand
* Low Vibration / Low Noise
* Sets Vertical
* Speed: 1,000 - 50,000
* Max Torque: 7.8N cm
* Max Power: 230W
* Cord Length: 1.5m

Weight: 4 kg
Dimensions: L 158 x 27 mm
Volts: 220V
MARATHON - 200086-1 Handy-700 Micro Complete 1 HP

MARATHON Handy 700 - Micromotor complete 110volts. (idem Ultimate-500 N S K) Lab. Micromotor. Brushless-
Low Vibration- Low Noise - Vertical - 1 Handpiece Brushless 50000 rpm 110/220v - # 815-110 - [electric handpiece
micromotor for laboratory] - MARATHON - Handy 700 Micromotor Complete
Air Laboratory Handpieces
# 200086-1 - Mfg # 200086-1

Features:
* First-of-its-kind 50,000rpm rotary micromotor system.
* The Handy 700 System also features a rotary handpiece for incredible carving power even at low speeds
* This Handy 700 Micromotor also works with Power Hand 2X and Marathon brush-type rotary handpieces.
* Provides ample torque at all times to ensure fast and smooth wood removal. Ideal for a variety of applications, including shaping, feathering, detailing and texturing.
* Use with Power Hand 2X handpieces for rotary finishing tasks that require normal torque.
* In addition to Handy 700 controller with integral carrying handle and BH-60 handpiece with quick-tool-change mechanism, system includes 3/32” or 1/8” collet, variable-speed foot rheostat, handpiece cradle rest, detachable handpiece holder and replacement fuse.

Description:
* Dual control system
* 50,000 rpm
* 230W brushless rotary handpiece
* Electrical - 100-120V*, 40W, 50/60Hz
* Dimensions: 5-3/8”W x 9-1/16”D x 7-1/16”H
* Net Weight: 6 lbs.

The system includes:
* Full compatibility with Power Hand 2X and Marathon brush-type rotary handpieces
* Dial or foot rheostat speed control
* Auto-cruise function for fixed-speed operation with foot rheostat
* Easy-to-read digital speed display for precise speed and torque settings
* Maximum handpiece torque mode
* Forward/reverse rotation
* Error-checking/troubleshooting system with digital display
* Overload protection
* Two-year handpiece warranty
* CE approval

US$ 628.95

MARATHON - 200086 Handy-700 Micro Complete 2 HP

MARATHON - Handy 700 Micromotor Complete
Micromotors for Laboratory
# 200086

Features:
* Control Unit
* On/Off Pedal
* 3500RPM
* 2 HANDPIECES
* 1 Brushless 50000RPM
* 1 with Brushes 3500RPM
* Handpiece Stand
* Low Vibration / Low Noise
* Sets Vertical
* Speed: 1,000 - 50,000
* Max Torque: 7.8N cm
* Max Power: 230W
* Cord Length: 1.5m

Weight: 4 kg

US$ 677.25
HEAVY DUTY DENTAL LAB MOTOR - ASEPTICO

HEAVY DUTY DENTAL LAB MOTOR - ASEPTICO

The Torque Plus is a high torque dental laboratory hand engine, ideal for all heavy duty lab work. The Heavy Duty Dental Lab Motor is made for heavy acrylic use, and heavy duty bearings in the nosecone make it our strongest dental lab motor. It includes a 35k rpm combined micromotor/handpiece, variable speed adjustment, and a forward/reverse switch. This dental motor also allows you to select between manual or footswitch control operation. On/off footswitch included.

Features:
* Heavy duty bearings in the nosecone make this our strongest lab motor
* 3,500 rpm motor/handpiece
* Variable speed adjustment
* 10 or 220 volt available
* Torque compensation circuitry
* Forward/reverse operation

What's in the Box:
* Electric Control Console
* Remote Power Cord
* Motor/Handpiece Combo
* Autoclavable Motor Holder
* On/Off Footswitch
* Variable Speed Foot Control [Optional]

<table>
<thead>
<tr>
<th>Code</th>
<th>Name</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td>111186</td>
<td>ASEPTICO - ASEPTICO - Torque Plus Laboratory Micromotor 110 volts - includes pedal - handp...</td>
<td>US$ 897.99</td>
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<tr>
<td>111187</td>
<td>ASEPTICO - ASEPTICO - Torque Plus Laboratory Micromotor 220volts - includes pedal - handpi...</td>
<td>US$ 897.99</td>
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</tbody>
</table>

MAGIC WAND LAB HANDPIECE - BUFFALO

MAGIC WAND LAB HANDPIECE - BUFFALO

Versatile and Compact 35,000 RPM System Ideal for Medium Duty and Intermittent Lab Trimming Needs

* Compact electric handpiece system features fully variable cutting speeds from 0 to 35,000 RPM
* Premium black electric handpiece provides smooth, quiet and comfortable operation with a history of long term durability
* Reliable, no-frills, made-in-USA Console
* Fully variable speed conveniently controlled by a heavy-duty, all-metal Variable Speed AC Foot Control

<table>
<thead>
<tr>
<th>Code</th>
<th>Name</th>
<th>Price</th>
</tr>
</thead>
</table>

CATALOG 5421 - mar/18/2017 CUSTOMER - United States
### BESQUAL - 103896 MARATHON 2 Micro Comp 40K 110v

**Features:**
- With Speed control pedal - automatic stop-reset with overloads - 40000 rpm
- Excellent Torque - Control unit - Pedal - Handpiece - Handpiece stand
- Operation manual - 110/220volts - Powerful torque and continuously variable speed control
- No heat after long hours of operation by effective electrical design - easy change of the driving direction for efficiency - compact and ergonomic design.

**Complete Set Includes:**
- 1 Control Box
- 1 H37SN (40,000rpm) Handpiece
- 1 Variable Foot Control
- 2 Handpiece Cradle/Holder

**Price:** US$ 180.60

### MARATHON - 101536 MARATHON Champion 40K RPM 110v

**Features:**
The Marathon 3 Champion is a non-stage speed dialing system. 40K

**Contains:**
- Protective plastic cover. Powerful control box. Forward & reverse switch.
- Compact and portable size
- Continuous variable speed control. On/off foot switch

**Description:**
- Voltage: AC 110 / 220V 50/60 Hz
- Electric Power: 45 Watts
- Weight: 1.3 kg
- Dimensions: 116mm (W) x 155mm (D) x 85mm (H)

**Motor Handpiece:**
- Max Speed 40,000 rpm
- Max Torque 250 gf.cm
- Electric Power 40 W
- Weight: 148 g
- Dimension: 143mm (L) x 25mm (D)

**M-3 Champion Includes:**
- Control Unit
- On/Off Pedal
- Handpiece
- Handpiece Stand
- 1/3 More Torque and Power than Regular Marathon
- Automatic Stop
- Reset with Overloads

**Price:** US$ 127.57
MARATHON - 116167 MARATHON Champion 40K RPM 220v

MARATHON - Champion Micromotor-Complete
Micromotors For Laboratory
# 116167

Features:
The Marathon 3 Champion is a non-stage speed dialing system. 40K

Contains:
* Protective plastic cover. Powerful control box. Forward & reverse switch. Compact and portable size
* Continuous variable speed control. On/off foot switch

MARATHON M-3 Champion
* Voltage: AC 220V 50/60 Hz
* Electric Power: 45 Watts
* Weight: 1.3 kg
* Dimensions: 116 mm ( W ) x 155 mm ( D ) x 85 mm ( H )

MARATHON Motor Handpiece:
* Max Speed: 40,000 rpm
* Max Torque: 250 gf.cm
* Electric Power: 40 W
* Weight: 148 g
* Dimension: 143 mm ( L ) x 25 mm ( D )

MARATHON M-3 Champion Includes:
* Control Unit
* On/Off Pedal
* Handpiece
* Handpiece Stand
* 1/3 More Torque and Power than Regular Marathon
* Automatic Stop
* Reset with Overloads

MARATHON - 123388 MARATHON Champion 45K RPM 110v

MARATHON - Champion Micromotor-Complete
Micromotors For Laboratory
# 101536

Features:
The Marathon 3 Champion is a non-stage speed dialing system. 45K

Contains:
* Protective plastic cover. Powerful control box. Forward & reverse switch. Compact and portable size
* Continuous variable speed control. On/off foot switch

Description:
* Voltage: AC 110 / 220V 50/60 Hz
* Electric Power: 45 Watts
* Weight: 1.3 kg
* Dimensions: 116mm (W) x 155mm (D) x 85mm (H)

Motor Handpiece:
* Max Speed: 45,000 rpm
* Max Torque: 250 gf.cm
* Weight: 148 g
* Dimension: 143mm ( L ) x 25mm ( D )

M-3 Champion Includes:
* Control Unit
* On/Off Pedal
### Micromotors electric and neuma

**Micromotors for Laboratory**

**Handpiece**
- Handpiece Stand
- 1/3 More Torque and Power than Regular Marathon
- Automatic Stop
- Reset with Overloads

<table>
<thead>
<tr>
<th>MARATHON- 115685 MARATHON Champion II 35K 110v</th>
<th>US$ 127.57</th>
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<tbody>
<tr>
<td>MARATHON - Champion Micromotor-Complete</td>
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<tr>
<td>Micromotors For Laboratory</td>
<td></td>
</tr>
<tr>
<td># 115685</td>
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</table>

**Features:**
- The Marathon 3 Champion is a non-stage speed dialing system.
- Protective plastic cover.
- Powerful control box.
- Forward & reverse switch.
- Compact and portable size Continuous variable speed control.
- On/off foot switch
- 35K

**Motor Handpiece:**
- Max Speed: 35,000 rpm
- Max Torque: 250 gf.cm
- Electric Power: 40 W
- Weight: 148 g
- Dimension: 143 mm (L) x 25 mm (D)

**Includes:**
- Control Unit
- On/Off Pedal
- Handpiece
- Handpiece Stand
- 1/3 More Torque and Power than Regular Marathon
- Automatic Stop
- Reset with Overloads

**M-3 Champion:**
- Voltage: AC 110 - 50/60 Hz
- Electric Power: 45 Watts
- Weight: 1.3 kg
- Dimensions: 116 mm (W) x 155 mm (D) x 85 mm (H)

<table>
<thead>
<tr>
<th>MARATHON- 116168 MARATHON Champion II 35K 220v</th>
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<tbody>
<tr>
<td>MARATHON-2 CHAMPION Micromotor Complete - 35000rpm</td>
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<tr>
<td>With on/off pedal - 220volts- 1/3 more torque and power than regular</td>
<td></td>
</tr>
<tr>
<td>MARATHON-3 ( IF WE ARE NOT ABLE TO PROVIDE YOU 220V WE WILL DELIVER A 110 V UNITS WITH A FREE 220V TRANSFORMER ) 110/220vols - [ Origina MARATHON Handpiece] [L#MO1050] -[ electric handpiece micromotor for laboratory ] -</td>
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</table>

**MARATHON - Champion 35k Micromotor Complete**

**Micromotors For Laboratory**

**# 116168**

**Features:**
- The Marathon 3 Champion is a non-stage speed dialing system. Protective plastic cover. Powerful control box. Forward & reverse switch. Compact and portable size Continuous variable speed control. On/off foot switch.

**Motor Handpiece:**
- Max Speed: 35,000 rpm
- Max Torque: 250 gf.cm
- Electric Power: 40 W

**Weight:**
- 148 g

**Dimension:**
- 143 mm (L) x 25 mm (D)

**Volts:**
- 220v Electric
## MARATHON - 102210 MARATHON N7R Complete Set

**110v**

**MARATHON - NR7 Micromotor Complete**  
**Micromotors For Laboratory**  
# 102210

**Features:**
- Control Unit  
- Variable Pedal  
- SH37SN Handpiece 45000 RPM  
- Handpiece Stand  
- Powerful Torque  
- Continuous Variable Speed Control  
- Automatic Stop  
- Reset with Overloads  
- Vertical or Horizontal Style  
- Maximum Speed Foot Control For Variable Rotation  
- Easy Change Of Forward/ Reverse Direction

**Technical Specifications:**
- Input Voltage: DC 30V - 0.5A  
- Torque: 3.0N.cm  
- Max RPM: 45,000  
- Power Source: 110/220V

**Weight:** 4 kg

**Included:**  
- 1 control box  
- 1 SH37s handpiece ( capable of managing 2 handpieces )

---

## MARATHON - 101557 MARATHON-N1 Micro

**110/220volts**

**MARATHON - N1 Micromotor Complete**  
**Micromotors For Laboratory**  
# 101557 - Mfg # 609

**Features:**  
- Complete Set w/45000 rpm handpiece

**Description:**
- Speed - 2000 to 45000rpm - digital display [rpm]  
- Strong torque and continuously variable speed control  
- Dual handpiece connector operates one handpiece at a time  
- Forward 3 and reverse switch  
- Automatic stop and reset when the circuit is overloaded  
- Feed back circuitry produce more power  
- No noise - vibration - and heat after long hours of operation

**Included:**
- 1 control box  
- 1 SH37s handpiece ( capable of managing 2 handpieces )

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<table>
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<tr>
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<tr>
<td>MARATHON - 101557 MARATHON-N1 Micro</td>
<td>US$ 341.25</td>
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</tbody>
</table>
MULTI 600 BRUSHLESS - MARATHON
MULTI 600 BRUSHLESS - MARATHON

Description:
* Speed: 1,000 - Max 50,000rpm
* 7.8 Ncm
* Ceramic ball bearing
* Knee-control type
* Low noise, Low vibration.
* Excellent Durability
* Self-Diagnosis Function.
* Error Code Display Function.
* Auto-Cruise Function.

Weight: 6000g
Volts: 110v and 220v

DESK

<table>
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<td>MARATHON - MARATHON-Multi 600 Brushless Micromotor Desktop Style 220v - Multi-switching f...</td>
<td>US$ 677.25</td>
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<td>MARATHON - MARATHON-Multi 600 Brushless Micromotor Desktop Style 110v - Multi-switching fu...</td>
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KNEE

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<tr>
<td>113899</td>
<td>MARATHON - MARATHON-Multi 600 Brushless Micromotor Knee Type 110v - Multi-switching funct...</td>
<td>US$ 593.25</td>
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<td>114184</td>
<td>MARATHON - MARATHON-Multi 600 Brushless Micromotor Knee Type 220v - Multi-switching funct...</td>
<td>US$ 677.25</td>
<td>Info</td>
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</table>

NSK - 101678 NSK V-Max 35 RV Micro Comp

Features:
Vmax is the latest model of VOLVERE series, one of the most popular and long-seller dental laboratory motors. Through years of continuous improvements, Vmax now offers unparalleled performance, controllability and durability. The new stylish control unit can be placed either vertically or horizontally, or with an optional free-arm stand at a space-critical workplace. EMC-compliant coreless motor delivers excellent under-load speed stability, together with higher power efficiency and minimal bow and flutter.

Includes:
* Control Unit, Standard Straight Micromotor, Foot pedal, and Handpiece Stand.
* Speed range of 1,000 - 35,000 min-1
* Powerful torque, high efficiency coreless micromotor
* Optimal control by microprocessor
* Self diagnosis with audible signals
* Auto cruise function
* Error code display function
* Space-saving design allowing either vertical or horizontal setting
* Optional handpiece cradle and Free-arm stand

US$ 1,298.02
EMC compliant

* EMC (Electromagnetic Compatibility)

Vmax Control Unit:
* Power Supply : AC 120V or 230V 50/60 Hz
* Dimensions : W95 x D190 x H180 (mm)
* Weight : 2.0 kg

Standard Type Motor Handpiece:
* Speed : 1,000 - 35,000 min-1
* Max Power : 71W
* Max Torque : 4.1 Ncm
* Dimensions : L130 x 4.5 (mm)
* Weight (without cord) : 200 g
* Cord Length : 1.2 m

SAESHIN-115117 OZ-Plus Torque 50000rpm

SAESHIN - OZ-Plus Torque Micromotor Electric 110v 50000 rpm Complete - Variable speed foot pedal - Same as Saeshin Forte - SAESHIN - OZ Torque Micromotor Electric Micromotor For Laboratory # 115117

Features:
* Ce Certified.
* The Saeshin Micromotor OZ Plus is an excellent higher end tool for the carver that requires a smoother, more powerful micro motor, especially if the tool will be used in a commercial application.
* The Micromotor OZ-Plus is the same as Saeshin Forte.

Includes:
* Controller Brushless Hand piece 50k Rpm.
* Standard 3/32 Shank ( Optional Other Collect Chuck Available )

Footpedal Controller:
* Digital Watch.
* Digital RPM Display ( 0-50k )
* Variable Speed Dial Control
* Speed safety Dial Lock ( 40-50k )
* Strong Torque at low speed
* Self-diagnosis Start up
* Error display Codes
* Speed Limit Memory Function
* Storage function

Variable Speed Foot Pedal:
* Hand/ Foot speed control system.
* Can be placed on floor or Mount.
* Soft Touch Control.

Weight and Dimension:
* Weight : Control box 2.5kg.
* Hand piece 202g ( OZ 100 )
* Dimension : Control box- W96 x D207 x H182 mm.

Rpm: 50000.
Volts: 110v.
Made in Korea

SAESHIN-115117 OZ-Plus Torque 50000rpm US$ 614.25
NSK- 115703 Ultimate-500- Blue E-Type 110v

NSK- Ultimate-500 Blue with E-Type handpiece # E192 UM50EM - Shipping: 3 Weeks for delivery [ electric handpiece micromotor for laboratory ] - [ this is an Original NSK handpiece - Factory sealed box - Made in Japan - Brand new - Never opened - with Factory Warranty ]

Bench Top System with E-Type Handpiece
(Comes in original packaging)

Ultimate 500 allows precision micro-machining. Torque Best Power in its class 250 Watts with Speed : 1,000~50,000 min

Rotation speed can be sleeplessly controlled between 1,000 and 50,000 min Smooth and powerful torque is delivered throughout the entire speed range. At the highest speed Of 50,000 min

ADVANTAGES

E-Type Handpiece
Speed of 1,000~50,000 min
Eco-Friendly Design
Self-Diagnosis Function
Easy-to-operate Display Panel
Digital Speed Display
Optimal Control by Microprocessor
Auto Speed Function
Audible Function Check
Maintenance Mode Setting
Error Code Display Function

NSK considers passive performance important. Ultimate 500 complies with the worlds most rigorous European EMC* Standards. In electromagnetic terms, Ultimate 500 will not generate electromagnetic waves which may cause failure or a malfunction to other equipment.

TECHNICAL SPECIFICATIONS:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
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<tbody>
<tr>
<td>Power Supply</td>
<td>AC 110 volts 50 Hz</td>
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<tr>
<td>Weight</td>
<td>2.6kg</td>
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<tr>
<td>Unit Dimensions</td>
<td>172mm (W) x 230mm (D) x 94mm (H)</td>
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<tr>
<td>Speed</td>
<td>1,000~50,000 rpm/min</td>
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<tr>
<td>Max power</td>
<td>140 Watts</td>
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<tr>
<td>Max Torque</td>
<td>6.0 Ncm</td>
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<tr>
<td>Handpiece Dimensions</td>
<td>L91 x 27 (mm)</td>
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<tr>
<td>Cord Length</td>
<td>1.2 m</td>
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</tbody>
</table>

ULTIMATE 500 bench-top system complies with European EMC* standard, the worlds most rigorous safety standard.

* EMC (Electromagnetic Compatibility)

Being the top end model in NSKs products for laboratory, ULTIMATE 500 offers superior functionality, operability and durability as well as cost-performance by strict cost cutting.

DELIVERY ESTIMATED AT 3 WEEKS

NSK- 116010 Ultimate-XL- Blue Torque 110v

ULTIMATE XL Bench top system Complete unit Pedal- Torque Handpiece # Y141466 - Micro motor 110volts ( better than Ultimate 500 model ) - [ electric handpiece micromotor for laboratory micromotor dpara laboratorio ] - [ this is an Original NSK handpiece - Factory sealed box - Made in Japan - Brand new - Never opened - with Factory Warranty ]

Bench Top
Micromotors for Laboratory
# 116010 - Mfg # Y141466

US$ 1,363.95
Features:
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
* Brushless
* Speed of 1,000-50,000 rpm
* Digital Speed Display
* Maintenance Mode Setting
* Auto Cruise Function
* Error Code Display Function

Includes:
- Control Unit
- Handpiece
- Handpiece support
- Pedal
- Power cable
- 110 volts

---

**V35 ELECTRIC LABORATORY HANDPIECE SYSTEM - BUFFALO**

The V35 electric handpiece system features a no-frills, multi-speed control console teamed with our new Gray Handpiece. It represents a heavy-duty, maximum 35,000 RPM, labonly handpiece system for use with HP-sized burs that offers high durability, high torque and economical pricing.

* V35 Control Console offers reliable power, simplified electronics, and four user-selectable speeds (14k, 22k, 27k, 35k RPM) to handle most cutting needs.
* New, heavy-duty Gray Handpiece offers comfortable and reliable performance and smooth powerful, high-torque cutting
* Excellent speed and torque control at both high and ultra-low speeds.
* Optional Variable Speed AC Foot Control energizes the Console with variable AC power and allows a full range of variable cutting speeds between 0-35,000 RPM.

---

<table>
<thead>
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<th>Code</th>
<th>Name</th>
<th>Price</th>
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<tbody>
<tr>
<td>008-37570</td>
<td>BUFFALO - Buffalo- V35 High Torque- Multi-Speed To 35K Rpm- Duration System- 110 vol (Com...</td>
<td>US$ 480.90</td>
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<tr>
<td>103826</td>
<td>BUFFALO - Buffalo- V35 High Torque- Multi-Speed To 35K Rpm- Duration System- 220vol (Comp...</td>
<td>US$ 445.31</td>
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</table>

**BUFFALO - 116046 X50- Hgh Torque Multi-Spd 110v**

US$ 882.00

BUFFALO - X-50 High Torque- Multi-Speed High Torque 50K Rpm- System 110v # 37800 - [electric handpiece micromotor for laboratory] - [micromotor complete]BUFFALO - X50 Brushless Electric Lab Handpiece System

Micromotors for Laboratory
# 116046 - Mfg # 37800

Features:
* Ultra-High Torque Cutting Power Brushless high-torque motor and control system provide brute-strength 7.8 N. cm. torque and precise control from 1,000 to 50,000 rpm with no carbon brush maintenance.
* New Whisper-Quiet Motor New brushless motor features ultra-quiet and extremely smooth operation. Improved bearings and balance provide highly-concentric, vibration-free operation in a sealed, maintenance-free design. Convenient twist lock/unlock chuck provides safe and secure holding of HP-sized instruments.
* New Advanced Console Design with Microcomputer Control New intelligent microprocessor control provides fully variable
Micromotors electric and neuma
Micromotors for Laboratory

Speed via console or foot control. Console provides precise speed control, digital rpm display, and controls for hand/foot and forward/reverse operation.

* Foot Control "Smart Cruise" Feature New smart cruise control circuitry automatically senses when the Foot Control speed is held constant and auto-activates precise rpm control with an audible two beep tone. Feature immediately deactivates with next touch of Foot Control and ready for resetting as desired.
* Heavy Duty Construction Components and system designed to provide safe, reliable and trouble-free operation. High impact housing is tough and easy to clean. One year warranty.
* Improved Safety Intelligent safety circuitry is designed to protect the computer controls and the handpiece. The safety-lock on the console speed control dial helps prevent unintentional higher speed operation.

Sizes:

* Handpiece: 6.25 in. (159 mm) Long x 1.125 in. (29 mm) Back Diameter, .75 in. (19 mm) Front Diameter x 8.2 oz. (232 gm) Weight
* Console: 7 in. (178mm) Width x 9.5 in. (241 mm) Depth x 4.25 in. (108 mm) Height x 7 lb. (3.2 kg) Weight

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+1 954 874 6325
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NSK- 114555 Ultimate-500- Blue Torque

110v

NSK- Ultimate-500 UM500SBT- w/ Blue Torque handpiece # Y140-557 - [electric handpiece micromotor for laboratory] - [this is an Original NSK handpiece - Factory sealed box - Made in Japan - Brand new - Never opened - with Factory Warranty] NSK- Ultimate-500 -Blue Torque 110v

Micromotors for Laboratory
# 114555 - Mfg # Y140-557

Features:
NSK considers passive performance important. Ultimate 500 complies with the worlds most rigorous European EMC* Standards. Ultimate 500 allows precision micro-machining. Torque Best Power in its class 250 Watts with Speed : 1,000~50,000 min Rotation speed can be steplessly controlled between 1,000 and 50,000 min Smooth and powerful torque is delivered throughout the entire speed range. At the highest speed Of 50,000 min Being the top end model in NSKs products for laboratory, ULTIMATE 500 offers superior functionality, operability and durability as well as cost-performance by strict cost cutting.

Advantages:
* Speed of 1,000~50,000 min
* Eco-Friendly Design
* Self-Diagnosis Function
* Easy-to-operate Display Panel
* Digital Speed Display
* Optimal Control by Microprocessor
* Auto Speed Function
* Audible Function Check
* Maintenance Mode Setting
* Error Code Display Function

US$ 1,470.00
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