## Micromotors electric and neuma

### E-Type Electric Micromotors

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SAESHIN - 115602 Saeshin STRONG Motor108EI only</strong></td>
<td><strong>US$ 125.00</strong></td>
</tr>
<tr>
<td>SAESHIN- STRONG E-type Micromotor 108EI only - with Closed Cover cap + Straight Cable ( autoclavable ) - with Brushes. 35.000rpm S# 117B // 108EI</td>
<td></td>
</tr>
<tr>
<td>SAESHIN - Strong Micromotor 108EI Only</td>
<td></td>
</tr>
<tr>
<td>Parts For Micro-motors</td>
<td></td>
</tr>
<tr>
<td># 115602</td>
<td></td>
</tr>
<tr>
<td><strong>Features:</strong></td>
<td></td>
</tr>
<tr>
<td>* With Closed Cover cap + cable ( autoclavable ) and with Brushes.</td>
<td></td>
</tr>
<tr>
<td>* Polyvalent for polishing, surgery, casting and surface finish.</td>
<td></td>
</tr>
<tr>
<td>* Simple operation and easy.</td>
<td></td>
</tr>
<tr>
<td><strong>Technical specifications:</strong></td>
<td></td>
</tr>
<tr>
<td>* Speed range :35.000rpm.</td>
<td></td>
</tr>
<tr>
<td>* Fusible: 2A.</td>
<td></td>
</tr>
<tr>
<td>* Supply voltage: AC 110 V or 230 V 50/60 Hz.</td>
<td></td>
</tr>
<tr>
<td><strong>Made in Korea</strong></td>
<td></td>
</tr>
</tbody>
</table>

### Handpcs for Lab Micromotor

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MARATHON- 115072 HD Hndpce Brushes BK-Tip Only</strong></td>
<td><strong>US$ 230.00</strong></td>
</tr>
<tr>
<td>MARATHON- BACK TIP only - For Brushless Heavy Dutty Handpiece for Milling Unit - 55000 rpm M # BM40 Z - For micromotor of milling unit Ecco - This is the part that includes the cable - and conects to the control unit. <strong>MARATHON - Back Tip Only</strong></td>
<td></td>
</tr>
<tr>
<td>Handpcs For Lab Micromotor</td>
<td></td>
</tr>
<tr>
<td># 115072</td>
<td></td>
</tr>
<tr>
<td><strong>Features:</strong></td>
<td></td>
</tr>
<tr>
<td>* For Brushless Heavy Dutty Handpiece for Milling Unit.</td>
<td></td>
</tr>
<tr>
<td>* 55000 rpm</td>
<td></td>
</tr>
<tr>
<td>* For micromotor of milling unit Ecco</td>
<td></td>
</tr>
<tr>
<td>* This is the part that includes the cable - and conects to the control unit</td>
<td></td>
</tr>
<tr>
<td>Model</td>
<td>Price</td>
</tr>
<tr>
<td>---------------</td>
<td>-----------</td>
</tr>
<tr>
<td>NSK - 100720 Hndpce Only Mio &amp; Volv &amp; Vmax</td>
<td>US$ 787.50</td>
</tr>
<tr>
<td>NSK - 101136 HP Torque only for Ultim 500</td>
<td>US$ 777.00</td>
</tr>
</tbody>
</table>

**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]

**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 Warranty

**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]

**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

MARATHON - 101733 Micro Hndpce Brushless only
MARATHON Brushless Heavy Duty Handpiece - 50.000 Rpm - M# BH60 & HP:BM50M - Works with Eco-1000 - Handy 700 - Handy 600 - )MARATHON - Brushless Heavy Duty
Handpcs For Lab Micromotor
# 101733
Features:
* 50.000 Rpm
* M# BH60 & HP: BM50M
* Works with Eco-1000 - Handy 700 - Handy 600 - Eco 1000

MARATHON - 112402 Micro Hndpce FRONT TIP Only
Marathon- FRONT TIP only - For Brushless Heavy Duty Handpiece - 3mm CHUCK - 55000 rpm for micromotor - (For Milling machine Ecco)
MARATHON -Front Tip Only
Handpcs For Lab Micromotor
# 112402
Features:
* For Brushless Heavy Duty Handpiece
* 3mm CHUCK
* 55000 rpm for micromotor
* For Milling machine Ecco

KEYSTONE - 034-1530160 Micro Hndpce Only 0.094in
KEYSTONE - Micromotor Handpiece Only - 0.094in Collet
Handpieces
# 034-1530160 - Mfg # 1530160
Feature:
Micromotor Handpiece Only - 0.094in Collet
### MARATHON - 100555 Micro Hndpce Only 35000rpm

MARATHON - Handpiece only 35000rpm for micromotor - Good for Handy 700 - Escort 2 & 3  
J# MO1055  
**MARATHON - Handpiece Only**

**Handpcs For Lab Micromotor**  
# 100555

**Features:**
- For micromotor - Good for Handy 700 - Escort 2 & 3
- 35000rpm
- J# MO1055

**US$ 85.00**

### MARATHON - 102345 Micro Hndpce Only 40.000rpm

MARATHON Handpiece Only 40000rpm for micromotor - good for MARATHON 7 and others - (40K)  
H37SN1  
**MARATHON - Handpiece Only**

**Handpcs For Lab Micromotor**  
# 102345

**Features:**
- For micromotor.
- Good for Marathon 7 and others
- 40000rpm

**Handpiece number:** SH37SN

**Weight:** 208g

**US$ 98.74**

### MARATHON - 100714 Micro Hndpce Only 45000rpm

Marathon Handpiece only 45k rpm for micromotor - Good for - Escort 2  N1 - #802-000  
**MARATHON - Handpiece Only**

**Handpcs For Lab Micromotor**  
# 100714

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

**US$ 98.00**
SAESHIN - 123046 OZ-Plus Lab Hand Piece 50k Oly

SAESHIN - OZ-Plus Laboratory Handpiece Only 50000 rpm (50k) # F100AIII -
Same as Saeshin Forte - SAESHIN - OZ-Plus Laboratory Handpiece Only
50000 rpm
E-Type Electric Micromotors
# 123046

Features:
X-Cube Implant E-Type Handpiece

NSK - 379-VRE VRE E-type Handpce Only

NSK - HANDPIECE Straight Nose only For Volvere E-Type 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 ]NSK - E
Type Handpiece only For Volvere E Intra System
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

DIGITECH - 124512 Brushless 50k rpm 110v

DIGITECH - BP50 - Brushless 50k rpm 110volts & 220volts autoDIGITECH -
BP50 - Brushless 50,000 Rpm 110 volts
Micromotors for Laboratory
# 124512

Features:
* High Torque
* High Power 50,000 RPM
* 3 Times the Power and Torque of
* Conventional Brush Type Units
* More Power Means Greater Productivity and Comfort with Less Fatigue

Benefits:
* Convenient Flexible Coiled Cord
* Sealed Rear Motor Eliminates Dust
* Heavy Duty Bearings and Spindle Design
**DIGITECH - 124544 Brushless 50k rpm 220v**

**Features:**
- High Torque
- High Power 50,000 RPM
- 3 Times the Power and Torque of Conventional Brush Type Units
- More Power Means Greater Productivity and Comfort with Less Fatigue

**Benefits:**
- Convenient Flexible Coiled Cord
- Sealed Rear Motor Eliminates Dust
- Heavy Duty Bearings and Spindle Design
- Stylish and Ergonomical
- Speed Dial Can Limit Top Speed for Safety
- Precise Soft Touch Control
- Reverse or Forward
- Secure Locking Handpiece Ring
- LED Functions and Display
- Standby Mode for Handpiece Motor
- Hand or Foot Control

Quantity: 1

**US$ 480.00**

---

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


**Micromotors for Laboratory**

**# 200086-220**

**US$ 650.00**
### Features:
- Control Unit
- On/Off Pedal
- 35000 RPM
- 2 HANDPIECES
- 1 Brushless 50000 RPM
- 1 with Brushes 35000 RPM
- 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  
US$ 585.00

Handpiece Brushless 50000 rpm 110/220v - # 815-110 - # M700-1 -[ 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
**Micromotors Electric and Neuma**

Micromotors for Laboratory

---

**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

---

**MARATHON - 200086 Handy-700 Micro Complete 2 HP**

MARATHON - Handy 700 Micromotor Complete
Micromotors for Laboratory
# 200086

**Features:**

- Control Unit
- On/Off Pedal
- 3500 RPM
- 2 Handpieces
- 1 Brushless 50000 RPM
- 1 with Brushes 35000 RPM
- 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:** 110V

---

US$ 650.00
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
* 3,5000 rpm motor/handpiece
* Variable speed adjustment
* 10 or 220 volt available
* Torque compensation circuitry
* Forward/reverse operation

Whats 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>
</tr>
</thead>
<tbody>
<tr>
<td>111186</td>
<td>ASEPTICO - Torque Plus Laboratory Micromotor 110 volts - includes pedal - handp...</td>
<td>US$ 994.90</td>
</tr>
<tr>
<td>111187</td>
<td>ASEPTICO - Torque Plus Laboratory Micromotor 220volts - includes pedal - handpi...</td>
<td>US$ 994.90</td>
</tr>
</tbody>
</table>

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>
<tbody>
<tr>
<td>008-38500</td>
<td>Buffalo Magic Wand Electric Handpiece System Complete -110V - Silver console - H...</td>
<td>US$ 399.00</td>
</tr>
<tr>
<td>008-38600</td>
<td>Buffalo Magic Wand Electric Handpiece System Complete -110V - Silver console - H...</td>
<td>US$ 399.00</td>
</tr>
</tbody>
</table>

**BESQUAL - 103896 MARATHON 2 Micro Comp 40K 110v**

**MARATHON BESQUAL 2 - Micromotor Complete 40k Pedal Speed Control**

**Micromotors For Laboratory**

# 103896 - Mfg # 811-H35SP

**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

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

**MARATHON - Champion Micromotor-Complete**

**Micromotors For Laboratory**

# 101536

**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

---

**MARATHON - 123388 MARATHON Champion 45K RPM 110v**

MARATHON-3 CHAMPION Micromotor Complete 45,000 rpm With on/off pedal - 110 volts-electric handpiece micromotor for laboratory

**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
**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 - 116167 MARATHON Champion 45K RPM 220v**

US$ 160.07

`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 . 45,000 rpm
* Max Torque250 gf.cm
* Electric Power40 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 - 115685 MARATHON Champion II 35K 110v

MARATHON - Champion Micromotor-Complete
Micromotors For Laboratory
# 115685

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)

MARATHON - 116168 MARATHON Champion II 35K 220v

MARATHON-2 CHAMPION Micromotor Complete - 35000r rpm - With on/off pedal - 220volts- electric handpiece micromotor for laboratory

MARATHON - Champion 35k Micromotor Complete
Micromotors For Laboratory
# 116168

US$ 132.00

US$ 132.63
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: 143mm (L ) x 25 mm (D)

Volts: 220v Electric

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 220 - 50/60 Hz
* Electric Power: 45 Watts

Weight: 1.3 kg

Dimensions: 116 mm (W) x 155 mm (D) x 85 mm (H)
Micromotors electric and neuma
Micromotors for Laboratory

* 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

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

Includes:
* 1 control box
* 1 SH37s handpiece ( capable of managing 2 handpieces )
* 1 variable foot pedal
* 1 Hp holder

Volts: 110v / 220v

US$ 320.00

NSK - 101678 NSK V-Max 35 RV Micro Comp
NSK - Micro. VMax 35 RV -Lab - Compact - Complete system - foot pedal control -0-35000 rpm - High Torque Handpiece with Brushes oil free - 110volts - [ Key volvere ]-
Made in Japan Y140-898 N10-0230 -[ electric handpiece micromotor for laboratory ]
-NSK - Micro. VMax 35 RV -E Set - Compact
Micromotors for Laboratory
# 101678 - Mfg # Y140-867

Features:

US$ 1,298.02
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
* 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

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>
<thead>
<tr>
<th>Code</th>
<th>Name</th>
<th>Price</th>
<th>+</th>
</tr>
</thead>
<tbody>
<tr>
<td>114183</td>
<td>MARATHON - Multi 600 Brushless Micromotor Desktop Style 220v - Multi-switching f...</td>
<td>US$ 620.00</td>
<td>+Info</td>
</tr>
<tr>
<td>113898</td>
<td>MARATHON - Multi 600 Brushless Micromotor Desktop Style 110v - Multi-switching f...</td>
<td>US$ 593.25</td>
<td>+Info</td>
</tr>
</tbody>
</table>

### KNEE

<table>
<thead>
<tr>
<th>Code</th>
<th>Name</th>
<th>Price</th>
<th>+</th>
</tr>
</thead>
<tbody>
<tr>
<td>113899</td>
<td>MARATHON - Multi 600 Brushless Micromotor Knee Type 110v - Multi-switching funct...</td>
<td>US$ 593.25</td>
<td>+Info</td>
</tr>
<tr>
<td>114184</td>
<td>MARATHON - Multi 600 Brushless Micromotor Knee Type 220v - Multi-switching funct...</td>
<td>US$ 620.00</td>
<td>+Info</td>
</tr>
</tbody>
</table>

**SAESHIN - 400006 SAESHIN FORTE 300a 40k**

SAESHIN - SAESHIN FORTE 300a Brushless RPM: Max. 40,000 rpm w/ handpiece and foot pedal #SAESHIN Forte 300 Micromotor Complete

Micromotor for Laboratory 
#400006 Mfg = SET F300a/f100aIII/SP

- Brushless
- RPM: Max. 40,000 rpm
- Set includes a control box, handpiece, speed control foot pedal
- Self-diagnostic Error display,
- Compact design
- One year warranty

**Brushless Handpiece:**
- RPM : Max. 50,000 rpm
- Torque : Max. 7.8 Ncm

**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 ]NSK -

US$ 1,363.95
Ultimate XI Torque Bench Top
Micromotors for Laboratory
# 116010 - Mfg # Y141466

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

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 ]NSK ULTIMATE 500 E-TYPE

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
Micromotors electric and neuma
Micromotors for Laboratory

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

ULTIMATE 500 bench-top system complies with European EMС* 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*
Micromotors for Laboratory

**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$ 1,370.00
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, lab-only 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>
<tr>
<th>Code</th>
<th>Name</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>008-37570</td>
<td>Buffalo- V35 High Torque- Multi-Speed To 35K Rpm- Duration System- 110 vol (Com...</td>
<td>US$ 480.90</td>
</tr>
<tr>
<td>103826</td>
<td>Buffalo- V35 High Torque- Multi-Speed To 35K Rpm- Duration System- 220vol (Com...</td>
<td>US$ 445.31</td>
</tr>
</tbody>
</table>

NSK - 417044 VOLVERE i7 Torque 110v

NSK- VOLVERE i7 Micromotor Torque handpiece # Y1002892

Handpiece
Micromotors for Laboratory
# 417044  Mfg # Y100289

Contents:
- Standard Micromotor System: VOLVERE i7 Control Unit / Motor Handpiece / Foot Control / Handpiece Stand
- E-Type Micromotor System: VOLVERE i7 Control Unit / E-Type Micromotor / Foot Control / Handpiece Stand

Specifications Control Unit:
- Power Supply: AC120V 50/60 Hz
- Dimensions: W69 x D185 x H167 mm
- Weight: 930 g

Standard Type Motor Handpiece:
**Micromotors electric and neuma**

**Micromotors for Laboratory**

---

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

**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 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
Catalog Index / Indice

E-Type Electric Micromotors .......................................................................................................................... 1
Handpcs for Lab Micromotor ........................................................................................................................... 1
Micromotors for Laboratory .......................................................................................................................... 5