# Micromotors electric and neuma

## E-Type Electric Micromotors

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAESHIN - 115602</td>
<td>Saeshin STRONG Motor 108EI only</td>
<td>US$ 99.75</td>
</tr>
</tbody>
</table>

- SAESHIN- STRONG E-type Micromotor 108EI only - with Closed Cover cap + cable ( autoclavable ) - with Brushes . 35.000rpm S# 117B // 108EI |

**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

## Handpcs for Lab Micromotor

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>MARATHON- 115072</td>
<td>HD Hndpce Brushes BK-Tip Only</td>
<td>US$ 230.00</td>
</tr>
</tbody>
</table>

- 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 connects to the control unit |

**Features:**
- For Brushless Heavy Dutty 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

<table>
<thead>
<tr>
<th>Part Number</th>
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</tr>
</thead>
<tbody>
<tr>
<td>NSK - 100720</td>
<td>Hndpce Only Mio &amp; Volv &amp; Vmax</td>
<td>US$ 787.50</td>
</tr>
</tbody>
</table>

- 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 ]

**NSK - Hand Piece Torque for Lab Micromotor**

**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**

**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 body
- 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 Hndpc Brushless only  
MARATHON Brushless Heavy Duty Handpiece - 50.000 Rpm - M# BH60 & HP:BM5M - 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  
US$ 395.00

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  
US$ 265.00

KEYSTONE - 034-1530160 Micro Hndpce Only 0.094in  
KEYSTONE - Micromotor Handpiece Only - 0.094in Collet Handpieces  
# 034-1530160 - Mfg # 1530160  
Features:  
Micromotor Handpiece Only - 0.094in Collet  
US$ 389.37

MARATHON - 100555 Micro Hndpce Only 35000rpm  
MARATHON - Handpiece only 35000rpm for micromotor - Good for Handy 700 - Escort 2 & 3 J# MO1055 [35k]  
MARATHON - Handpiece Only  
Handpcs For Lab Micromotor  
# 100555  
Features:  
For micromotor - Good for Handy 700 - Escort 2 & 3  
* 35000rpm  
* J# MO1055  
US$ 85.00
<table>
<thead>
<tr>
<th>Product Name</th>
<th>Price</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MARATHON - 102345 Micro Hndpce Only 40.000rpm</td>
<td>US$ 94.25</td>
<td>MARATHON Handpiece Only 40000rpm for micromotor - good for MARATHON 7 and others - (40K) # H37SN1 SH37SN MARATHON - Handpiece Only Handpcs For Lab Micromotor # 102345 Features:  * For micromotor.  * Good for Marathon 7 and others  * 40000rpm Hanpiece number: SH37SN Weight: 208g</td>
</tr>
<tr>
<td>MARATHON - 100714 Micro Hndpce Only 45000rpm</td>
<td>US$ 98.00</td>
<td>Marathon Handpiece only 45k rpm for micromotor - Good for - Escort 2 N1 - #802-000MARATHON - Handpiece Only Handpcs For Lab Micromotor # 100714 Features:  * For micromotor.  * Good for Escort 2 N1  * 45000rpm</td>
</tr>
<tr>
<td>SAESHIN - 123046 OZ-Plus Lab Hand Piece 50k Oly</td>
<td>US$ 372.75</td>
<td>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</td>
</tr>
<tr>
<td>NSK - 379-VRE VRE E-type Handpce Only</td>
<td>US$ 275.00</td>
<td>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</td>
</tr>
</tbody>
</table>
Micromotors electric and neuma

Micromotors for Laboratory

**DIGITECH - 124512 Brushless 50k rpm 110v**
US$ 480.00

- **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

**DIGITECH - 124544 Brushless 50k rpm 220v**
US$ 458.18

- **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
**Micromotors electric and neuma**

**Micromotors for Laboratory**

**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

---

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


MARATHON 35,000 rpm 220volts. [electric handpiece micromotor for laboratory] - MARATHON - Handy 700 Micromotor Complete

**Micromotors for Laboratory**

# 200086-220

**Features:**
- Control Unit
- On/Off Pedal
- 35000RPM
- 2 HANDPIECES
- 1 Brushless 50000RPM
- 1 with Brushes 35000RPM
- 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

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US$ 650.00
MARATHON - 200086-1 Handy-700 Micro Complete 1 HP  


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 powereven 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$ 585.00
MARATHON - 200086 Handy-700 Micro Complete 2 HP  US$ 650.00

MARATHON - Handy 700 Micromotor Complete
Micromotors for Laboratory
# 200086

Features:
* Control Unit
* On/Off Pedal
* 3500RPM
* 2 HANDPIECES
* 1 Brushless 50000RPM
* 1 with Brushes 35000RPM
* 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

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
* 3,5000 rpm motor/handpiece
* Variable speed adjustment
* 10 or 220 volt available
* Torque compensation circuitry
**Micromotors for Laboratory**

- **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>
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</tr>
</thead>
<tbody>
<tr>
<td>111186</td>
<td>ASEPTICO - Torque Plus Laboratory Micromotor 110 volts - includes pedal - handpiece...</td>
<td>US$ 957.86</td>
</tr>
<tr>
<td>111187</td>
<td>ASEPTICO - Torque Plus Laboratory Micromotor 220volts - includes pedal - handpiece...</td>
<td>US$ 957.86</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

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

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

<table>
<thead>
<tr>
<th>Features:</th>
</tr>
</thead>
</table>
| * 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

US$ 215.00
* 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**

**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 - 1/3 more torque and power than regular MARATHON-3 automatic stop-reset with overloads - Excellent Torque - Control unit - Pedal - 45000 rpm Handpiece - 110/220volts - [Origina MARATHON Handpiece] [L#MO1050] - [electric handpiece micromotor for laboratory] - [MCHAMP]MARATHON - Champion Micromotor-Complete 45k 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  
* Handpiece  
* Handpiece Stand  
* 1/3 More Torque and Power than Regular Marathon  
* Automatic Stop  
* Reset with Overloads

MARATHON - 116167 MARATHON Champion 45K RPM 220v  
MARATHON - Champion Micromotor-Complete Micromotors For Laboratory  
# 116167

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

Contains:
**Micromotors Electric and Neuma**

Micromotors for Laboratory

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**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 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 - 115685 MARATHON Champion II 35K 110v**

**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

---

**US$ 126.00**
* 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
US$ 126.60
MARATHON-2 CHAMPION Micromotor Complete - 35000r rpm - With on/off pedal - 220volts- 1/3 more torque and power than regular
MARATHON-3 ( IF WE ARE NOT ABLE TO PROVIDE YOU 220V WE WILL DELIVER A 110 V UNITS WITH A FREE 220V TRANSFORMER )
110/220volts - [ Origina MARATHON Handpiece] [L#MO1050] -[ electric handpiece micromotor for laboratory ]

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: 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)

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

US$ 259.00

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 45000 rpm - 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)

US$ 320.00
* 1 variable foot pedal
* 1 Hp holder

Volts: 110v / 220v

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

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

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

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:
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

SAESHIN - 400006 SAESHIN FORTE 300a 40k

SAESHIN - SAESHIN FORTE 300a Brushless RPM: Max. 40000 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- 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 ]

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
- 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.

SPECIFICATIONS:

- Power Supply: AC 110 volts 50 Hz
- Weight: 2.6kg
- Unit Dimensions: 172mm (W) x 230mm (D) x 94mm (H)
- Speed: 1,000~50,000 rpm/min
- Max power: 140 Watts
- Max Torque: 6.0 Ncm

US$ 1,470.00
Handpiece Dimensions

L91 x 27 (mm)

Cord Length

1.2 m

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

* EMC (Electromagnetic Compatibility)

Being the top-end model in NSK’s 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

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**NSK- 114555 Ultimate-500- Blue Torque**  
**US$ 1,470.00**

**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 world’s 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 NSK’s 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
Micromotors for Laboratory

* Maintenance Mode Setting
* Error Code Display Function

NSK- 116010 Ultimate-XL- Blue Torque 110v  
US$ 1,363.95

**Features:**

- 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

**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

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 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
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.

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