Ultrasonic Polisher SHEENUS neo

- Powerful ultrasonic oscillation speeds up deburring and polishing processes.

Advanced Polishing Performance

Power and Comfort for Polishing Professionals

- Oscillation Frequency: 22.5 KHz
- Max. Output Power: 45 w
- Oscillation Stroke: Max. 40 μm

No Vibration on Your Hand

Sensitive control to tool tip feedback to insure professional results.

Digital Display Function

The digital power display eliminate over polishing.

2 Modes for Delicate Deburring and Polishing

UNCLAMP MODE
When using a One-piece tool, set to the UNCLAMP MODE.

CLAMP MODE
When using the tip holder (manually mounted tips) and M4 Screw Joint Adaptor, set to the CLAMP MODE.

Various Exclusive Tools

- Polishing die and mold
  Tool: Ceramic Fiber Grindstone → P.75
- Polishing ribs and small area of parts
  Tool: Electroplated Diamond File → P.75
- Mirror finishing of carbide parts
  Tool: Diamond Compounds → Please see the NAKANISHI "TOOLS" Catalog
- Deburring difficult areas such as complicated Shape
  Tool: Long Type Electroplated Diamond File → P.75
- Polishing a deep and wide surface
  Tool: Electroplated Diamond File → P.75

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**SHEENUS neo ULTRASONIC POLISHER**

**SHEENUS neo**

- Easy Operation to improve work efficiency.
- "SHEENUS neo" can be used for grinding, polishing and mirror finishing on a wide range of materials from aluminum dies to cemented carbide dies. It is also perfect for plastic molds, press, casting, forging, trimming and header dies.
- This tool quickly removes hard layers of EDM deposits and polishes, difficult areas such as complex corners and ribs.
- Capabilities include deburring, grinding and polishing of precision molds, dies electronic and ceramic components.

**SHEENUS neo Standard Set**

- Oscillation Frequency 22.5 KHz
- Oscillation Stroke Max. 40 µm
- Exclusive Tools

*US-25PBS 230V(8093) AND NE240 230V(8095) ARE DISCONTINUED.*

**Controller**

- Code No. 8096 Model NE240 120V
- Code No. 8095 Model NE240 230V

- Power Switch
- Clamp or Unclamp Mode Switch
- Vibration On/Off Switch (Jet Off mode Foot Pedal can be operated)
- 2 Mode Display Selection Switch (WATT/POWER)
- Digital Display
- Easy Touch Function Switches.

**Ultrasonic Handpiece**

- Code No. 8099 Model US-25PB

- Oscillator : PZT piezoelectric type
- Attachment fixing : M5 screw
- Cable length : 2 m (6 ft)
- Weight : 140 g (w/o cable)

- Ergonomically comfortable and light for effortless work over long periods.
- Lightweight, resin body ergonomically designed to provide precise control while operating.

**SHEENUS neo Spare Parts**

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
<th>Code No.</th>
<th>Model</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foot Pedal</td>
<td></td>
<td>8103</td>
<td>FC-24</td>
<td>On/Off switch only</td>
</tr>
<tr>
<td>Handpiece Stand</td>
<td></td>
<td>8104</td>
<td>K-274</td>
<td></td>
</tr>
<tr>
<td>Spanner</td>
<td></td>
<td></td>
<td></td>
<td>10 mm Available in the market</td>
</tr>
<tr>
<td>Allen Wrench</td>
<td></td>
<td></td>
<td></td>
<td>2.5 mm Available in the market</td>
</tr>
</tbody>
</table>

**Please mention "Code Number" upon your order.**
Precautions for using Nakanishi Tools

For safe use of the tools
• Please read operation manuals before using any tools.
• Please keep all operation manuals on hand for reference whenever necessary.

Caution: Incorrect use of the tools, or ignoring “CAUTIONS for safety” described in the operating manuals, could cause fatal or serious bodily injury.

CAUTIONS

Always use safety glasses, mask, face guard for your safety.

Fasten the collet firmly. Make sure the tool is fully installed in the collet to avoid tool slippage.

Do not touch the tools when in operation. Make sure the work area is neat and there is sufficient light.

Do not use damaged or broken electric cords and air hoses.

Start at low speed and increase gradually to insure safe work. This is particularly important for the use of new tools, large cutting tools and elastic tools such as rubber grindstone, sander and brush tools.

Do not use the tool where flammable liquids or gases exist.

Keep the tools and products in a cool, dry place.

Select proper tools and products for your application. Select tools carefully considering the performance of the tools, work procedure and type/shape of the material.

Check the tools carefully before use. Confirm that the tools are free of chips, cracks, splits, scratches, irregular bondings, and out of round shanks, etc.

Fix the work material firmly in a vise and/or other clamping fixture.

Stop grinding or polishing immediately whenever unusual sounds, vibrations, or wear are found.

Restart the work only after the problem is found and corrected.

Do not leave operating tools. Confirm that the tool has stopped completely after switching off.

Select tools carefully considering the performance of the tools, work procedure and type/shape of the material.

Do not apply high pressure to or pry with the tools. This can break and/or bend the tools. Use the tools within their design limitation. Excessive pressure will decrease the efficiency of your work and cause excessive wear of the tools.

Check all tools carefully before use.
Clean the inside of the collet and tool shank, chips or fine metals inside the collet could cause tool slippage and result in damage to machinery or bodily injury.

Do not use the tool where flammable liquids or gases exist.

Shank Diameter
Nakanishi micro grinders utilize a collet system, which insures maximum precision. Therefore, please use the collet that best corresponds to the tool shank diameter.

Maximum allowable speed
Do not exceed the maximum allowable tool speed. For your safety, use the tools below the indicated allowable speed. Start at low speed and increase gradually to insure safety. The preceding is particularly important for the use of new tools and machines.

#100
This shows grain size of various grinding tools.

Rough Cutting......................................... 46, 54, 63, 70, 80, 90
Medium Cutting........................................ 100, 120, 150, 180
Pre Finishing......................................... 220, 240, 280, 320, 400
Fine Finishing and Mirror Polishing........... 1200, 1500, 1800, 2000, 3000, 4000, 6000, 8000, 10000...

End Code number on each page

Note: Specifications may be changed without notice. Colors of the tools in this catalogue may not be the same as actual colors due to printing limitations.
NAKANISHI
Exclusive Tools

Exclusive Tools of Ultrasonic Polisher “SHEENUS neo” ................ P.75~76
Exclusive Tools of Electromotive Polisher “LUSTER” ..................... P.76~78
Exclusive Tools of Electromotive Polisher “MINI-LUSTER” .......... P.76~78
Exclusive Tools of Electromotive Polisher “SWING-LUSTER” ...... P.76~78
Exclusive Tools of “50˚ & 90˚ Angle Type Attachment” .......... P.78~80
Exclusive Tools of “Mini Angle Type Attachment” ..................... P.80
Exclusive Tools of “IMPULSE” ................................................. P.81
Exclusive Tools of “FINE BELT SANDER” ................................ P.81~82
NEO NEO

Exclusive Tools of Ultrasonic Polisher

"SHEENUS NEO"

Special electroplated diamond files of Nakaiishi's ultrasonic polisher "SHEENUS NEO". Ideal for fine bur removal and rough finishing.

- Electroplated Diamond File
- Ceramic Fiber Grinding Stones (Total Length: 60mm)
- Brass Lapping Tip (Total Length: 60mm)
- Wood Lapping Tip (Total Length: 60mm)
- Special Tip Holder

NOKANISHI's EXCLUSIVE TOOLS

Exclusive Tools of Electromotive Polisher

"LUSTER", "MINI-LUSTER", "SWING-LUSTER"

Best for finishing large open work areas. Marked tools can be used for Sheenus neo with the Tip Holder (60912).

- Electroplated Diamond File
- Diamond File Flat Type
- Precision Finishing Files (Flat, Round, Angular, Triangular, Half-Round)
- Rasp for plastics and wood working (Flat, Round, Angular, Triangular, Half-Round)

Order in standard package quantities. P. 76