Sheenus ZERO
Ultrasonic Polisher
Sheenus ZERO is a high-speed polishing machine providing ultrasonic vibration, 40 \( \mu \text{m} \) max vibration amplitude with 29 kHz per second. Sheenus ZERO provides minimal hand vibration while maintaining high efficiency power. A heat protection function improves safety.

**Improved visibility**

An informative digital LED display on the controller clearly shows the operation function. Blue LED on the handpiece flashes during operation to indicate power ON.

**High efficiency power**

Sheenus ZERO applies optimized frequency to the tools. Power transmission performance is increased by 16% compared with previous model.

**Heat protection function**

Sheenus ZERO automatically suppresses the output and keeps the temperatures from rising, allowing for continuous use.

**Improved energy savings**

Rated power consumption is reduced by 13% compared with previous model.

(SHEENUS neo: 31 W \( \rightarrow \) Sheenus ZERO: 27 W)

**Light weight**

The weight of controller is reduced by 29% compared with previous model.

(SHEENUS neo: 2.1 kg \( \rightarrow \) Sheenus ZERO: 1.5 kg)

Convenient to carry around.

- Adapted the worldwide power supply, 100 - 240V
- High-frequency noise is reduced by a sine wave drive.

### Sheenus ZERO set

- Sheenus ZERO 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.

<table>
<thead>
<tr>
<th>Code No.</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>7775</td>
<td>US-50P Set 120V</td>
</tr>
<tr>
<td>7776</td>
<td>US-50P Set 230V</td>
</tr>
</tbody>
</table>

*Adapted the worldwide power supply, 100 - 240V. Please choose the plug type of main power cord.*

Standard equipment ———

- Controller: 1 pc.
- Handpiece: 1 pc.
- Tools: 1 set
  - #60101 Electroplated diamond file
  - #8200, Flat taper, 4 x 50 mm, T=0.6: 1 pc.
  - #60519 Ceramic fiber grindstone
  - #800, Flat, 6 x 50 mm, T=1.0: 1 pc.
  - #60902 Tip holder (For round, Φ 3.0 tip): 1 pc.
  - #60922 Tip holder (For flat, t=1.0 tip): 1 pc.
- Tool box (Plastic): 1 pc.
- Spanner (10 mm): 2 pcs.
- Hexagon wrench (2.5 mm): 1 pc.
- Foot switch (FC-24): 1 pc.
- Spare fuse (1.6A 250V): 2 pcs.
- Main power cord (2 m): 1 pc.
  (Plug type: 120V or 230V)

Order by Code No.
Sheenus ZERO Controller

- **Powerful**
  Max. output power is 45 W.

- **Digital Display**
  The LED display can be switched between the amplitude and WATT.

- **Safety**
  The heat protection function can be set to detect abnormal heat.

**Specifications**
- Oscillation frequency: 19 kHz - 29 kHz
- Frequency control: Auto-tracking system
- Outputs: 45 W (max.) UNCLAMP mode
  20 W (max.) CLAMP mode
- Output adjustment: 21 steps variable
- Rated input: AC 100 - 240V
- Rated power consumption: 27 W
- Dimensions: W 161 x D 256 x H 84 mm
- Weight: 1.5 kg

**Standard accessories**
- Spare fuse (T1.6A 250V): 2 pcs.
- Main power cord (2 m): 1 pc.
  (Plug type: 120V or 230V)

Sheenus ZERO is not compatible with SHEENUS neo.

Sheenus ZERO Handpiece

- **Comfortable Usability**
  Light weight, ergonomically designed resin body enables effortless, precision work over long periods of time.

- **Easy Tool Installation**
  Easy tool installation using spanners.

**Specifications**
- Oscillator: PZT piezoelectric type
- Attachment fixing: M6 x P0.8 screw
- Cord length: 3 m
- Dimensions: Max. ø 28 x L 134 mm
- Weight: 140 g (excluding cable)

Sheenus ZERO is not compatible with SHEENUS neo.

Sheenus ZERO Spare Parts

<table>
<thead>
<tr>
<th>Product</th>
<th>Code No.</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>[Image of Foot switch]</td>
<td>8103</td>
<td>FC-24 Foot switch (ON/OFF switch only)</td>
</tr>
<tr>
<td>[Image of Spanner]</td>
<td></td>
<td>Spanner 10 mm Available in the market</td>
</tr>
<tr>
<td>[Image of Hexagon Wrench]</td>
<td></td>
<td>Hexagon wrench 2.5 mm Available in the market</td>
</tr>
</tbody>
</table>

*Tip holder and ceramic fiber grindstone in this picture are not provided when only handpiece is purchased. Nakanishi genuine tools are highly recommended.*

*Adapted the worldwide power supply, 100 - 240V. Please choose the plug type of main power cord.*
Sheenus ZERO Tools

*Order in standard package quantities.*

1. **Electroplated Diamond File**
   - Ideal for grinding due to the large abrasive grain protrusion amount.
   - The shape of file is suitable for the areas such as ribs, corners and holes.
   - Use it with UNCLAMP mode.

2. **Ceramic Fiber Grindstone Tip**
   - Alumina fiber abrasive with the strength and the flexibility for final polishing.
   - Soft feeling in use and good cutting quality contribute comfortable finishing.
   - Provides the smooth surface without scratch.
   - By dressing it can be used for grinding on the shape and stilt.
   - Use after clamping in special tip holder.

3. **Special Tip Holder**
   - These are special tip holder to clamp the tools.
   - Choose by tip size and shape.
   - Use it with CLAMP mode.
   - Please note that if Nakaniishi genuine tools are not used, it may not be possible to maintain the proper performance, so as generating abnormal vibration or no vibration.

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