**THP 3000**

**Tattooing handpiece**

**OPERATING INSTRUCTIONS**

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### Safety Instructions

- The instrument is delivered in non-sterile condition! Before initial use and immediately after every use the handpiece must be cleaned, disinfected and sterilised!
- Do not clean handpiece with compressed air!
- Only operate handpiece with attached needle!
- Never work on handpiece with the motor running, risk of injury!
- The handpiece must be used by skilled and trained persons only!
- The handpiece must not be operated at a speed exceeding 12 000 rpm!
- The clamp must not be stored clamped for an extended period without a clamped needle!
- No liability for warranty claims or any other liability will be accepted for improper use of the handpiece and operation without observing the operating instructions!

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### Specifications

- **Weight:** 86 g
- **Optimum speed:** 9000 rpm
- **Maximum speed:** 12 000 rpm
- **Micromotor coupling:** as per EN23964

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### Icons on device

- **REF:** Order number
- **SN:** Serial number
- ![Icon](135°C) Autoclavable at 135°C
- ![Icon](thermal) Suitable for thermal disinfection

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### Spare parts

<table>
<thead>
<tr>
<th>Ref.</th>
<th>Name</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>5021</td>
<td>Tattooing head blue (for 1x and 3x needles)</td>
<td>1 unit</td>
</tr>
<tr>
<td>5022</td>
<td>Tattooing head red (for 7x, 10x and 12x needles)</td>
<td>1 unit</td>
</tr>
<tr>
<td>40451</td>
<td>Clamping nut</td>
<td>1 unit</td>
</tr>
<tr>
<td>5024</td>
<td>1x needle sterilisable</td>
<td>1 unit</td>
</tr>
<tr>
<td>5025</td>
<td>3x needle sterilisable</td>
<td>1 unit</td>
</tr>
<tr>
<td>5026</td>
<td>7x needle sterilisable</td>
<td>1 unit</td>
</tr>
<tr>
<td>5027</td>
<td>10x needle sterilisable</td>
<td>1 unit</td>
</tr>
<tr>
<td>5028</td>
<td>12x needle sterilisable</td>
<td>1 unit</td>
</tr>
<tr>
<td>1984</td>
<td>Nou-Clean Spray</td>
<td>1 unit</td>
</tr>
<tr>
<td>1958</td>
<td>Attachment for Nou-Clean Spray</td>
<td>1 unit</td>
</tr>
</tbody>
</table>

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### Operation

#### Replacing needle

1. Unscrew the tattooing head in an anticlockwise direction.
2. Unscrew the clamping nut two revolutions anticlockwise.
3. Insert or replace needle.
5. Screw tattooing head clockwise by hand to the last notch (the insertion depth is now set to 2 mm).

- Please use the blue tattooing head for the 1x and 3x needles. Please use the red tattooing head for the 7x, 10x and 12x needles.
- The insertion depth is adjusted on the tattooing head, which can be set for a stroke length from 0.2 mm to 2.0 mm. The increment from one notch to the next is 0.2 mm.
- To ensure optimum colour pigmentation on the skin note that the variable pressure of the tattooing handpiece on the skin will influence the insertion depth.
- It is also important to ensure that the handpiece is applied perpendicular to the skin during tattooing.
Preparation Instructions

Restrictions on repeated preparation
Frequent preparation has little effect on the handpieces. The end of the service life is normally the result of wear and damage caused by use.

INSTRUCTIONS
At the usage location:
remove surface dirt with a disposable cloth or paper towel.

Preparation for cleaning:
unscrew tattooing head and clamping nut, prepare needles separately (see preparation instructions for tattooing needles). Remove dirt on the handpiece, tattooing head and clamping nut with a disposable cloth or paper towel.

Automatic cleaning and disinfection:
Equipment: cleaning/disinfection device with special holder that connects handpieces to the cleaning/disinfection device and ensures that the channels are rinsed. Rinse handpiece from the back. Use only neutral cleaners as cleaning agents, otherwise the anodised surface will be damaged.
1) Insert handpiece in holder (it is important to ensure that the channels are rinsed), place tattooing head and clamping nut in fine-mesh basket and close basket.
2) Set cleaning cycle with adequate cleaning and rinsing. Run last rinse cycle with fully deionised water.
3) Run 10-minute rinse at 93 °C to ensure thermal disinfection.
4) When removing the parts inspect them for any remaining visible dirt in intermediate spaces and grooves. Repeat cycle or clean manually if necessary.

Manual cleaning:
Equipment: neutral cleaning agent, soft brush, running water
Procedure:
1) Rinse and brush off surface dirt from handpiece, tattooing head and clamping nut.
2) Apply cleaning agent to all surfaces and intermediate spaces with brush.
3) Rinse handpiece, tattooing head and clamping nut thoroughly under running water for 10 minutes.

Manual disinfection:
To disinfect handpiece, tattooing head and clamping nut manually wipe them with a cloth soaked in an ethanol-based disinfectant solution.

Drying:
if the cleaning/disinfection device does not have a drying program, the handpiece, tattooing head and clamping nut must be dried manually or in a drying cabinet.

Inspection and maintenance:
Inspect visually for damage, corrosion and wear. Mount clamping nut and tattooing head on handpiece and spray with NOUCLEAN SPRAY and wipe briefly with a moist cloth (see instructions on spray can).

Packaging:
Single unit: pack handpiece in individual sterile packaging. The bag must be large enough so the seal is not under tension. Sets: arrange handpieces in trays or place on all-purpose sterilisation trays.

Sterilisation:
Autoclave in a vacuum autoclave at 135 °C for at least 5 minutes*. When sterilising more than one instrument in one sterilisation cycle do not overload the steriliser. When using autoclaves without a post-vacuum a drying phase is required. Allow handpiece to dry in the bag for at least 1 hour at room temperature with the paper side up.
* The temperature holding times must comply with the national and local directives and standards.

Storage:
No special requirements. If the sterilised handpiece is not used immediately after sterilisation, the packaging must be labelled with a sterile indicator and the date of sterilisation.

Faults and troubleshooting

<table>
<thead>
<tr>
<th>Fault</th>
<th>Cause</th>
<th>Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Motor is running but the needle does not move.</td>
<td>Handpiece is not correctly coupled to motor.</td>
<td>Press handpiece to motor until it snaps into place. Check that it is seated by pulling it lightly.</td>
</tr>
<tr>
<td>Needle does not run regularly.</td>
<td>Needle is not optimally tensioned.</td>
<td>Tighten clamping nut.</td>
</tr>
</tbody>
</table>

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If you require service, repairs or spare parts, please contact the dealer or representative in your country.

Instructions for disposal:
On disposal of the device, device components and accessories the national regulations for disposal must be observed.

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