Plastic Surgery Unit TCM 3000 BL

The all-rounder for Plastic surgery!

Developed especially for surgery appliances, this microprocessor controlled unit is very user-friendly. It also considerably facilitates the daily practice routine of the surgeon.
Fields of Application

- Oral, maxillofacial surgery
- Liposuction
- Anaplasty
- Dermabrasion
Advantages

- Economical due to the very good cost/performance ratio
- High performance and torque
- The continuous torque is constantly monitored by the control unit
- Microprocessor controlled
Description

- Foot bracket
- Foot pedal (IP 68)
- Handpiece or Conform Cannula
- Control unit
- Operation panel
- Electronic motor
- Handpiece rest
**Operation Panel**

1. **Display**
   Indicates current rotation speed

2. **DTM**
   Preset key for dermatomes

3. **LIPO**
   Preset key for liposuction

4. **THP**
   Preset key for tattooing handpiece

5. **MOTOR**
   green LED is lighted if motor is on

**Reverse Mode**
green LED is lighted if motor is in reverse rotation (additionally, an acoustic signal is given)

**Decreasing rotation speed**

**Increasing rotation speed**
## Preset Keys for Reductions and Transmissions

<table>
<thead>
<tr>
<th>Transmission</th>
<th>Speed range</th>
<th>Torque range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transmission 1:1</td>
<td>500 - 40'000 rpm</td>
<td>10 Ncm</td>
</tr>
<tr>
<td>DTM (Dermatome)</td>
<td>8’000 rpm (fix programmed)</td>
<td></td>
</tr>
<tr>
<td>LIPO (Liposuction)</td>
<td>10’000 rpm (fix programmed) equals about 3’500 strokes at the handpiece</td>
<td></td>
</tr>
<tr>
<td>THP (Tattooing handpiece)</td>
<td>8’000 rpm (fix programmed)</td>
<td></td>
</tr>
</tbody>
</table>
Vario Foot Pedal Suitable for Operation Theatre (IP68)

- Foot bracket
- Program control
- Adjusting rotation speed
- Clockwise/counter clockwise rotation
- Rotation speed control

**Attention:** Due to safety considerations, the unit can only be operated with plugged in foot pedal.
Electronic motor 31 ESS

- Material: Medical stainless steel
- Electronic motor (*brush less*)
- Max. number of revolutions: 40'000 rpm
- Output power: 200 Watt
- Weight: 260 g including cable
- E-Type coupling (ISO 3964)

# 2064nou
Handpieces and Contra Angles

Handpieces and contra angles

Micro Saws

Dermatome / Mucotome

Contra angle for Kirschner-wires

Tattooing Handpiece

Conform-Cannula Handpiece (Liposuction)
Conform-Cannula-Handpiece

Handpiece for cannulae for minimally invasive liposuction

The Conform-Cannula-Handpiece has been specifically designed for the Vacuson 60LP liposuction pump and TCM 3000 BL surgery unit. It is powered by an electronic motor, which produces the tissue-preserving vibration of the suction cannula.
Advantages for the surgeon

✓ optimal cosmetic results
✓ precise working/ optimal aspiration of fat tissue
✓ effortless and more gentle operation
✓ considerable reduction of operating time
✓ optimised calculation of time and cost
✓ maximum protection of patient
✓ handpiece is compatible with all standard cannulas

Advantages for the patient

✓ optimal cosmetic results
✓ more gentle operation
✓ no thermal injuries caused to tissue
✓ fast post operative recovery
Conform-Cannula-Handpiece

Suction cannula (not included in delivery)

Conform-Cannula-Handpiece with electronic motor

Cable electronic motor 31 ESS

2.5 mm / 3’500/min

Luer-Lock or handle connection

Deaeration

Luer-Lock connection
Conform-Cannula-Handpiece

- Handpiece body
- Connection for suction tube
- Connection silicon tube
- Silicone tube
- Coupling nut for cannulas
- Adapter for cannulas
- Suction head piece
- Connection silicon tube
- Clamping screw
- Handpiece for electronic motor 31 ESS
## Technical Data

<table>
<thead>
<tr>
<th>Description</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working stroke Conform-Cannula-Handpiece:</td>
<td>2.5 mm</td>
</tr>
<tr>
<td>Frequency Conform-Cannula handpiece:</td>
<td>3'500/min</td>
</tr>
<tr>
<td>Drive system handpiece:</td>
<td>Electronic motor 31 ESS</td>
</tr>
<tr>
<td>Electronic motor 31 ESS</td>
<td>50 W</td>
</tr>
<tr>
<td>Accreditations:</td>
<td>CE 1275, Class IIa / IEC 601, Class 1, Type BF</td>
</tr>
</tbody>
</table>
Handpieces and contra-angles

All Nouvag handpieces and contra-angles are:

✓ E type couplings (ISO 3964)

✓ Maintain all relevant standards and directives (CE127)

✓ Made out of high quality Medical stainless steel
NouClean Maintenance Spray

- For maintenance of your top-quality precision instruments made by NOUVAG
- Environmentally friendly - without CFCs
- Reusable nozzles; easy change-over to full spray can

- Nozzle for micro motor
- Nozzle for contra angle
## Technical Data

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Operating voltage:</strong></td>
<td>switchable, 100 V, 115 V/60 Hz, 230 V/50 Hz</td>
</tr>
<tr>
<td><strong>Power consumption:</strong></td>
<td>60 VA</td>
</tr>
<tr>
<td><strong>Drive system:</strong></td>
<td>Electronic motor (brushless)</td>
</tr>
<tr>
<td><strong>Speed range:</strong></td>
<td>500 - 40,000 min⁻¹</td>
</tr>
<tr>
<td><strong>Motor torque:</strong></td>
<td>10 Ncm</td>
</tr>
<tr>
<td><strong>Handpiece torque:</strong></td>
<td>10 Ncm</td>
</tr>
<tr>
<td><strong>Dimensions control unit (W x D x H):</strong></td>
<td>115 x 120 x 180 mm</td>
</tr>
<tr>
<td><strong>Weight control unit</strong></td>
<td>1.8 kg</td>
</tr>
<tr>
<td><strong>Accreditations:</strong></td>
<td>CE1275 Class IIa / CSA / FDA / IEC 601, protection class IIa, applied part type BF</td>
</tr>
</tbody>
</table>