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Surgery Micro-Motor System TCM 3000

The intelligent solution for surgery application

The TCM 3000 is a microprocessor controlled drive unit used in most common surgery fields e.g. Skin grafting, ENT, Plastic- Neuro- Hand- and Oral / Maxillo facial surgery etc.





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Advantages

- ✓ Economical due to very good cost/performance ratio
- ✓ Automatic Torque Limiter (AL/AS)
- ✓ High performance and torque
- ✓ The continuous torque is constantly monitored by the control unit
- ✓ Constantly controlled torque independently from different speed

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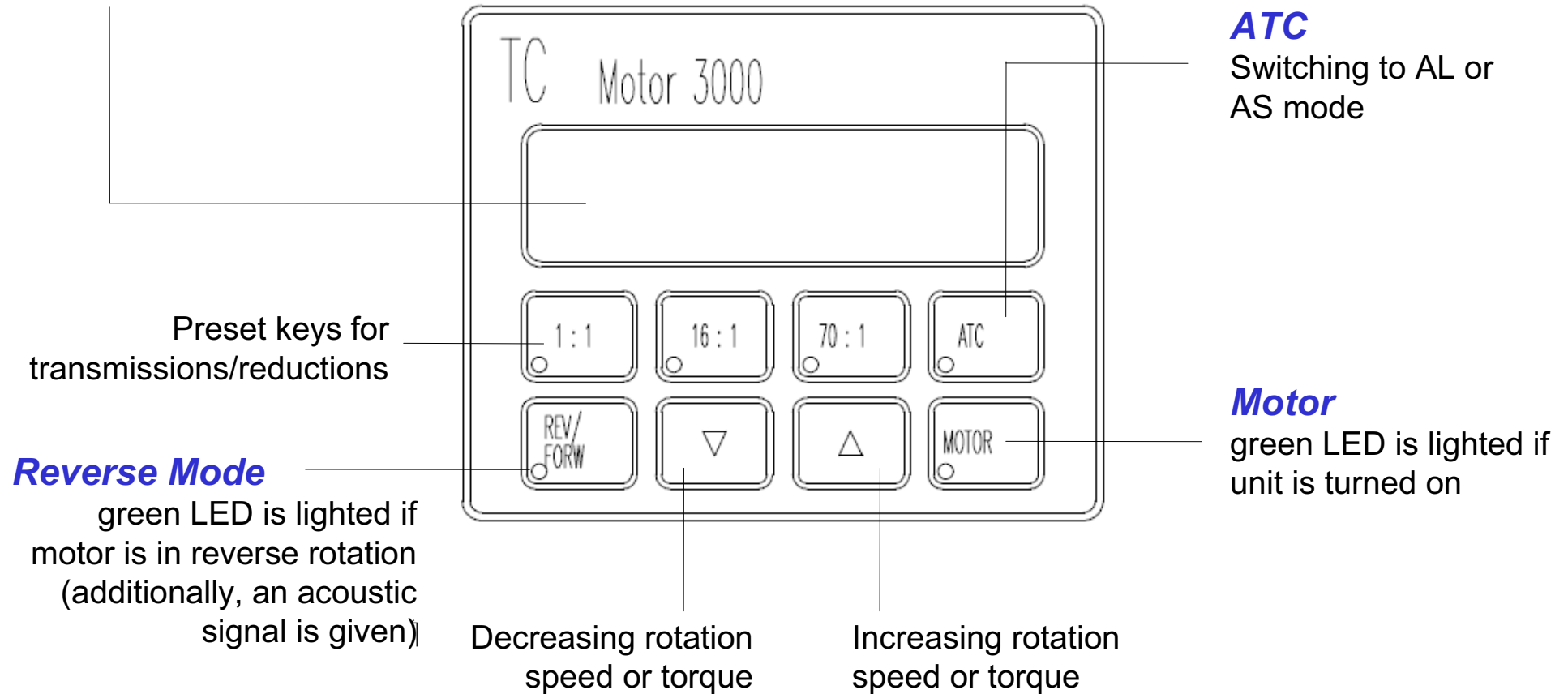
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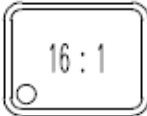
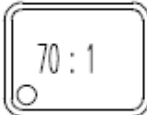
Operation Panel

Display

Shows current rotation speed or torque



Preset Keys for Transmissions and Reductions

	Speed range	Torque range
 Transmission 1:1	2'000 - 30'000 min ⁻¹	1 - 10 Ncm
 Reduction 16:1	125 - 1'875 min ⁻¹	10 - 30 Ncm
 Reduction 70:1	28 - 428 min ⁻¹	10 - 55 Ncm

Torque Limiter **ATC** (Automatic Torque Control)

Automatic Limiter (**AL**)

- limiting the torque to a preset value (constant torque)
- For all contra angles

Application:

- Drilling in osseous material
- AL mode 10 to 55 Ncm:
according to instructions of the drill manufacturer

Automatic Stopper (**AS**)

- Torque protection – motor stops immediately on reaching the preset torque
- For contra angles 16:1 and 32:1 up to 70 min⁻¹

Application:

- For preparing implant threads or tightening implants and covering screws
- AS mode 10 to 55 Ncm:
according to instructions of the implant manufacturer

Micro Motor 31S

- Material: Aluminium
- DC motor with carbon brushes
- max. rotation speed: 30'000 rpm
- Wattage: 120 W
- Weight: 170 g
- E-type coupling (ISO 3964)
- Sterilisable / autoclavable at 134 °C max.





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Handpieces and Contra Angles

All Nouvag handpieces and contra angles

- ✓ are sterilisable / autoclavable at 134 °C max.
- ✓ comply with all relevant norms and directives (CE 1275).
- ✓ are suited for all ISO 3964 E-type couplings.

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Handpieces and Contra Angles

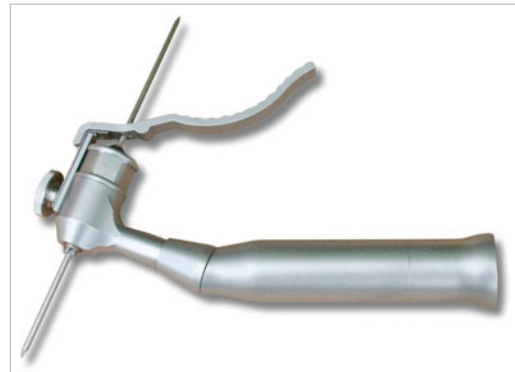
Handpieces



Micro saws



Contra angles for Kirschner-wires



Mucotome or Dermatome



Contra angles



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 contra angle

- ✓ Nozzle for micro motor





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Technical Data

Operating voltage:	115 V/60 Hz, 230 V/50 Hz
Power consumption:	130 VA
Drive system:	DC motor with carbon brushes
Speed range:	2'000 to 30'000 min ⁻¹
Motor torque:	10 Ncm
Handpiece torque range:	1 - 55 Ncm
Dimensions control unit (W x D x H):	90 x 100 x 160 mm
Weight control unit:	2 kg
Accreditations:	CE1275 Class IIa / CSA / FDA / IEC 601, protection class 1, applied part type B