KaVo INTRA® surg 300

Simple to operate and easy to customize • Variable speed foot control
Ultimate speed and torque ranges • Sterilizable motor and tubing
**INTRAsurg® 300** is an ideal surgical unit for implantology and is full of innovative nuances to streamline surgical procedures.

- Unique brushless motor design with minimum vibration ensures comfortable handling for prolonged periods of time
- Powerful and efficient; high torque range of 5-55 Ncm and wide speed motor range of 300-40,000 rpm
- Automatic motor stop at preset torque value, acoustic signal when 90% of preset value is reached
- Super quiet built-in irrigation system
- Tubing and motor are fully autoclavable
- Full compatibility with surgical KAVO straight and contra-angle handpieces

### Intuitive Pre-Programmed Settings (fully adjustable)

<table>
<thead>
<tr>
<th>STEP</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>TREATMENT STAGE</td>
<td>Drilling the osteotomy</td>
<td>Cutting the thread</td>
<td>Cutting instrument counter-clockwise</td>
<td>Tapping implant</td>
<td>Removing the insertion pin</td>
<td>Mounting the coverscrew/healing abutment</td>
</tr>
<tr>
<td>HANDPIECE</td>
<td>27:1</td>
<td>27:1</td>
<td>27:1</td>
<td>27:1</td>
<td>27:1</td>
<td>27:1</td>
</tr>
<tr>
<td>FACTORY SETTING MAX SPEED</td>
<td>1,500</td>
<td>50</td>
<td>50</td>
<td>50</td>
<td>50</td>
<td>50</td>
</tr>
<tr>
<td>TORQUE</td>
<td>55 Ncm</td>
<td>40 Ncm</td>
<td>40 Ncm</td>
<td>40 Ncm</td>
<td>55 Ncm</td>
<td>10 Ncm</td>
</tr>
<tr>
<td>PUMP</td>
<td>4</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>MOTOR DIRECTION</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

**EXCLUSIVE FEATURES**

- Display screen shows actual speed and torque for utmost safety and control
- Flushing mechanism to prevent crystallization of tubing
- Self-calibrating (no yearly calibration required)
• Modern contra-angle handpiece has a separate head (3:1) and shank (9:1) for a total reduction of 27:1. This unique design allows for a wide range of applications from smoothing of the alveolar ridge to implant placement.

• Highly efficient operating speed range of 11-1,500 rpm and maximum torque 55 Ncm

• Internal and external cooling functions ensure ease of sterilization and longevity of handpiece

• Small head design provides for maximum visibility in the mouth and aids in treatment efficiency

<table>
<thead>
<tr>
<th>CLINICAL PROCEDURE</th>
<th>SPEED</th>
<th>MAX. TORQUE REQUIRED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Smoothing of the alveolar crest</td>
<td>1000 - 1500 rpm</td>
<td>5 - 10 Ncm</td>
</tr>
<tr>
<td>Drilling of the osteotomy</td>
<td>700 - 1500 rpm</td>
<td>up to 15 Ncm</td>
</tr>
<tr>
<td>Thread cutting</td>
<td>10 - 50 rpm</td>
<td>up to 35 Ncm</td>
</tr>
<tr>
<td>- Standard implants</td>
<td></td>
<td>up to 50 Ncm</td>
</tr>
<tr>
<td>- Large diameter</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Screwing in implant</td>
<td>10 - 50 rpm</td>
<td>up to 35 Ncm</td>
</tr>
<tr>
<td>- Standard implant</td>
<td></td>
<td>up to 50 Ncm</td>
</tr>
<tr>
<td>- Large diameter</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Prosthetics</td>
<td>10 - 50 rpm</td>
<td>up to 35 Ncm</td>
</tr>
</tbody>
</table>

• Variable speed foot pedal allows for adjustments in motor speed without changing pre-programmed settings.

• Foot pedal conveniently controls all console functions allowing for complete hands-free operation.
SoFT wARE Programs

1 program with 6 steps

Program functions

Instrument gear transmission 1:2 to 36:1
Max. speed 15 - 40,000 rpm
Max. torque 5.5 to 55 Ncm
Pump power 0 to 6

Motor direction

Clockwise/counterclockwise

Torque

Max. torque selectable;
acoustic signal emitted on reaching 90%

CONTRA-ANGLE HANDPIECE KaVo INTRA C3-C09

Total gear reduction 27:1 (INTRA C3 head = 3:1;
INTRA C09 shank = 9:1)
Cooling External and internal cooling
(Kirschner and Meyer)
Max. torque 55 Ncm
Max. working speed 1,500 rpm

Full One Year Warranty

KaVo INTRA® 300

Technical Data

UNIT

Size 31 cm x 23 cm x 12.5 cm
Input Voltage 100 V; 120 V; 230 V
Rinse function Motor is switched off; only the pump operates
Display in standby mode Speed range; motor direction;
Instrument gear transmission Max. pump torque (1-6)
Display during use Actual speed, actual torque
Foot control Motor on/off; Speed (min. - max.); Clockwise/
counterclockwise operation; Pump on/off;
Rinse function; Switch on program;
Select program step (forward/back)

MOTOR KaVo INTRA - S 500

Motor speed min. 300 rpm; max. 40,000 rpm
Torque 5.5 Ncm (300 - 12,000 rpm)
5.0 - 2.0 Ncm (12,000 - 40,000 rpm)
Output power 100 W

SOFTWARE

Programs 1 program with 6 steps

Program functions Instrument gear transmission 1:2 to 36:1
Max. speed 15 - 40,000 rpm
Max. torque 5.5 to 55 Ncm
Pump power 0 to 6

Motor direction Clockwise/counterclockwise

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The INTRA® 300 is manufactured by