

Easy-to-use, powerful surgical motor system designed for general oral surgery and implantology, as well as various micro-surgery procedures

The OS-150 Surgical Drill System provides sophisticated motor control with smooth and precise power delivery in any speed range and is available with an assortment of drills, microsaws and contra angles.

Features

- Large, illuminated display: Reduction to the essential. All treatment parameter are clearly shown and legibly on the large display
- Keyboard: Easy to navigate with the up and down button to change the respective values (torque and speed)
- Two selected programs for drilling and placing the implant
- Automatic memorize parameters
- 3 programs for drilling, cutting threads, screwing in the implants and placing the cover screw
- Calibration mode for contra angles
- Integrated pump system for cooling the instrument to prevent tissue damage
- Modern design – no sharp edges – easy to clean
- Irrigation pump: built in low noise peristaltic pump – easy to load

Technical Specifications

- Voltage: 100/115/230 Volt at 50 – 60 Hz
- Max. output power/motor torque: 120 W/6 Ncm
- Max. torque at the instrument: 70 Ncm, 20:1 Contra Angle
- Coolant flow rate: 1 – 100 ml/min
- Dimensions, W x D x H: 260/250/110 mm
- Weight, control unit: 2.8 kg
- Foot control: Vario foot pedal
- Pedal IP code: IPX8
- Motor
 - Attachment of instruments: ISO 3964 connector (DIN 13940)
 - Motor Speed: 300-40,000 rpm
 - Max. Motor torque: 6 Ncm
 - Motor Cable Length: 2 m
- Peristaltic Pump
 - Max volumetric displacement of pump: 100 ml/min.



Handpiece Accessories for OS-150

**Contra-Angles:**

Reduction-ranges with internal and external irrigation

No. 5050 = 1:1 500 - 40,000 rpm

No. 5060 = 16:1 30 - 2,500 rpm

No. 5054 = 32:1 15 - 1,250 rpm

**No. 5010 Contra Angle for Surgery Wires:**

E-Type Contra Angle for Surgery Wires - Ø 0.5 – 1.6 mm with reduction 16:1. Max. speed - 2,500 rpm.

**No. 1960 Contra Angle 1:1:**

With quick tool clamping, 40,000 rpm. Type of shank ISO 106, Ø 2.35 mm, L 70 – 90 mm with external irrigation clip

**No. 1710 Handpiece 1:1:**

With quick tool clamping - 40,000 rpm. Type of shank - ISO 106, Ø 2.35 mm, L 44 – 58 mm with external irrigation clip

**No. 1950 Handpiece 1:1:**

With quick tool clamping - 40,000 rpm. Type of shank - ISO 106, Ø 2,35 mm, L 70 – 90 mm with external irrigation clip

**No. 5040 Micro-Saw Compass:**

Without saw blades, with E-Type-coupling, with external irrigation clip. Max. speed - 20,000 rpm.

**No. 5090 Micro-Saw Oscillating:**

Without saw blades, with E-Type-coupling, with external irrigation clip. Max. speed - 15,000 rpm

**No.5110 Micro-Saw Sagittal:**

Without saw blades, with E-Type-coupling, with external irrigation clip. Max. speed - 15,000 rpm

**No. 1970 Mucotome - for mucosal reparative surgery:**

Max. speed - 8,000 rpm. Cutting width - 8 mm. Thickness of graft - 0.5 mm