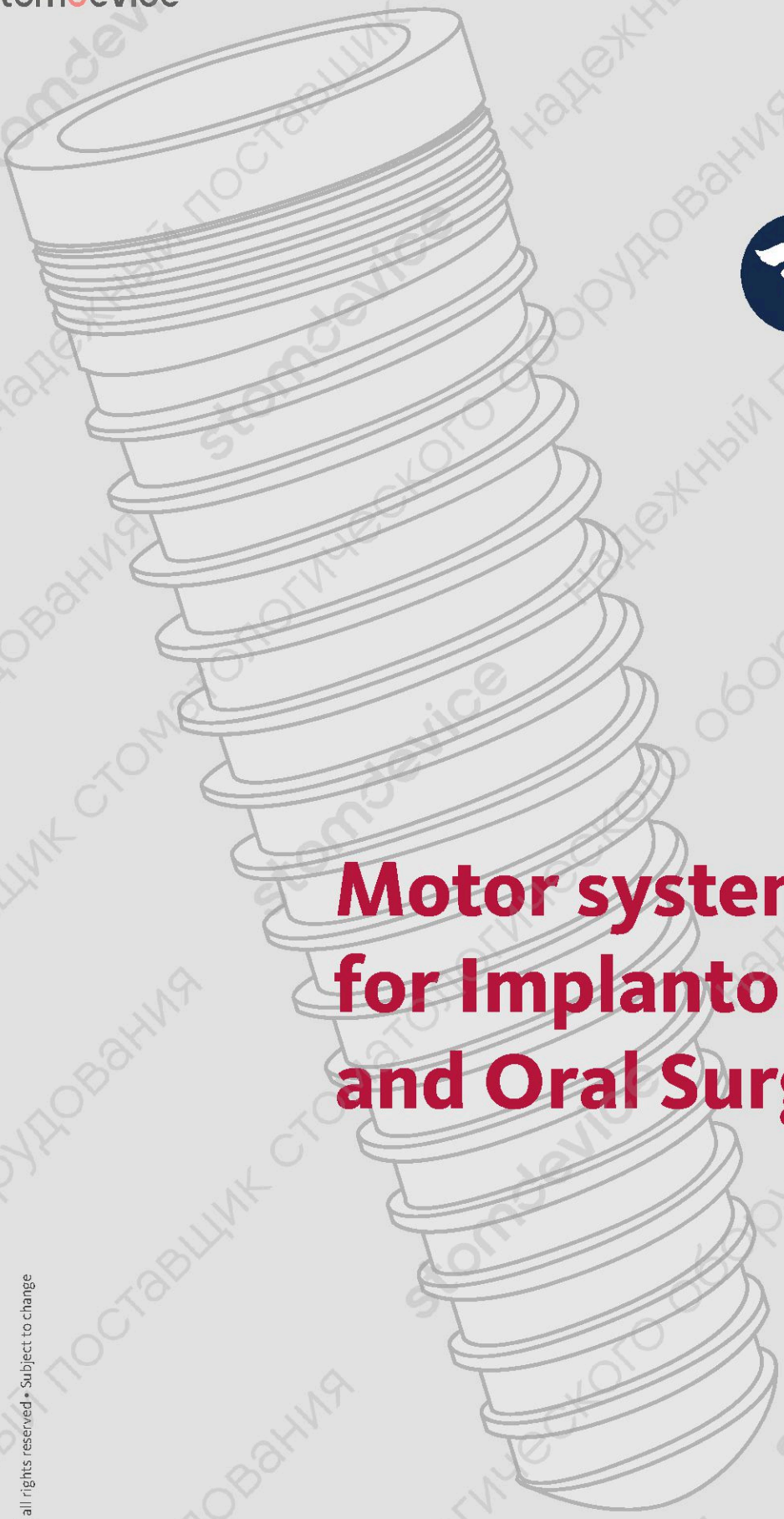
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NOUVAG

Motor systems for Implantology and Oral Surgery

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We talk Implantology

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Motor systems for Implantology

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MD 11

A motor system capable of perfectly accomplishing any step of procedure in Implantology, due to it's wide range of motor management and gear ratio.

Advantages

- Sophisticated motor control for smooth and precise power delivery in any speed range.
- Motor speed range of 300 – 40,000 rpm.
- 70 Ncm of maximum torque with the 20:1 contra angle and graphical, real time torque control.
- Sturdy, high quality design and finish.
- Integrated pump system for cooling the instrument to avoid tissue damage.
- 4 programs for drilling, cutting threads, screwing in the implant and placing the cover screw.
- Handpiece 1:1 and contra angles 16:1, 20:1, 20:1 LED, 32:1 and 70:1 are available.



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No time? We save it for you!

Ergonomic casing
- Compact housing
- Easy to clean surfaces

Advanced torque control
- Automatic torque limiter
- Automatic stopper

Tubing set mounting
- Very good visibility
- Easy mounting
- Closing sensor

Big display
- High contrast
- All settings at a glance
- Real time torque
- Real time speed



Peristaltic pump
- Tray opens smoothly
- Quiet pump motor

Logical handling
- 1 function per key
- Acoustic feedback

Open the pump tray
- Frontal access
- No shifting of the device
- Easy unlocking

4 programmes
- Drilling
- Thread cutting
- Screwing in the implants
- Placing the cover screw

Motor connection
- Front access
- High quality socket



In version 2.0, the logic of keyboard operation has been revised and now offers even higher comfort while setting up your device. A new, separate **program for thread cutting** has also been added. With the HP key (Handpiece) there are handpieces with a gear ratio of 1:1, 16:1, 20:1, 32:1 and 70:1 selectable.



The compartment with the integrated tubing bracket opens smoothly and the tubing set can be fitted very easily all with one hand.



The real-time graphical representation of the actual torque recognizes varying resistors during use and gives a feeling for occurring forces.

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MD 30

The premium dual motor



Advantages

- Configuration menu to customize device after your favor.
- Intelligent safety system with acoustical and optical signal and additional blocking of motor drive (e.g. open pump compartment, not connected motor or pedal).
- 70 Ncm of maximum torque with the 20:1 contra angle with graphical, real time torque control on display.
- Sturdy, high quality architecture and finish.
- Integrated pump system for cooling the instrument to avoid tissue damage.
- Advanced motor system with sophisticated motor control for smooth and precise power delivery in any speed range.
- Multifunctional pedal with motor selection, pump performance adjustment, programme selection and motor speed control.
- Calibration of handpieces and contra angles.
- Real-time speed and torque report.
- 10 Pre-set programs for each motor configurable.

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Handpieces and contra angles



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Contra angles

The autoclavable contra angles are made of medical stainless steel, solid and durable, available in different reduction ratios and they are all equipped with INTRA EN coupling. All contra angles are equipped with a cooling clip for internal and external cooling of the drill. The solid construction and well thought-out details ensure a long service life and ensure trouble-free reprocessing.



Contra angles with dental shaft, push button locking system and INTRA coupling	Ref.	Shaft form
1:1	5051	Dental
2:1	5109	Dental
16:1	5200	Dental
20:1	5053	Dental
32:1	5201	Dental
70:1	5065	Dental
20:1 contra angle with **LED** and Hexagon Clamping mechanism		
20:1 LED	5052	Hexagon Shaft

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Mini E-type contra angle

The balance point of the combination of contra angle and electronic motor shifts further back due to its shorter design. The benefit is an improved balance and weight distribution, resulting in a more accurate distribution of force to the drill (instrument).

Mini E-type contra angle with dental shaft, push button locking system and INTRA coupling	Ref.	Shaft form
20 : 1	5053m	Dental





With our new 20:1 mini E-type contra angle, in conjunction with the new electronic motor with a shorter handpiece carrier, the resting point is located between your thumb and your index finger, allowing for a better balance and force delivery to the drill.

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Handpieces



Handpieces with quick lock for instruments with a Ø of 2.35 mm and INTRA EN coupling	Ref.	Transmission
Multiplier handpiece for 44 mm burrs	1047	1 : 3
Short, straight surgical handpiece for 44 mm burrs	1710	1 : 1
Long, straight surgical handpiece for 70 mm burrs	1950	1 : 1
Long, angled surgical handpiece long for 70 mm burrs	1960	1 : 1

Ref. 1970

Mucotome

The Mucotome for treating oral mucosa, works with a cutting thickness of 0.5 mm and a width of 6 mm.



Ref. 5010

Kirschner handpiece

This Kirschner handpiece was developed for difficult-to-access regions. The small head ensures maximum room for manoeuvre.



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Electronic motors



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Electronic motor 21/Electronic motor 21 E-type mini



Electronic motor 21 with 2 meter cable length (Ref. 2097)

The electronic motor, the decisive connecting piece between the control units MD11/MD30 and the contra angle, is worth mentioning because of its quiet, almost free of vibration and smooth power delivery in any speed range.



Electronic motor 21 E-type mini with 2 meter cable length (Ref. 2116)

To be able to use mini E-type contra angles we have parallelly developed a new electronic motor with a shorter handpiece carrier. The mini E-type motor is still compatible with any conventional contra angle, which means the motor can be applied universally. The shorter contra angle together with the adjusted length of the motor result in an advantageous balance of the unit.

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Micro saws



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Great Micro Saws

Nouvag's robust micro saws are characterized by a notably well cutting performance. The housing made of medical stainless steel guarantees for carefree durability despite of countless reprocessing cycles.

Micro Compass Saw

Ref. 5040

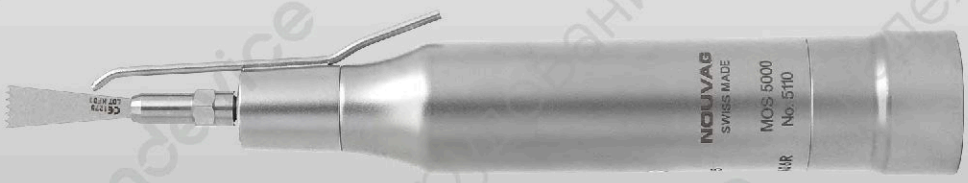
MSS 5000 Micro-jigsaw with INTRA EN3964 coupling, removable irrigation tube, recommended speed 15,000 rpm. The micro-jigsaw for sawing and rasping with tools of different lengths and designs.



Sagittal Saw, Osseoscalpel

Ref. 5110

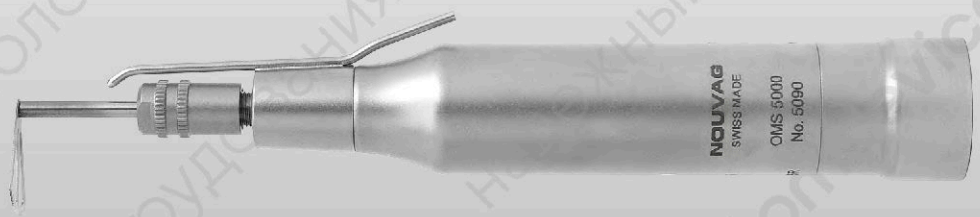
MOS 5000 Sagittal Saw with INTRA EN3964 coupling, removable irrigation tube, recommended speed 15,000 rpm. The sagittal saw is ideal for applications in which the two other saws are unsuitable for reasons of space.



Micro Oscillating Saw

Ref. 5090

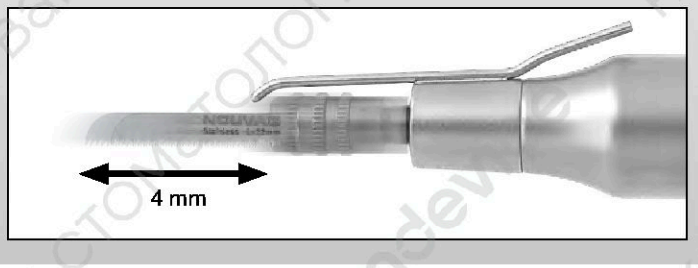
OMS 5000 Oscillating micro-saw with INTRA EN3964 coupling, removable irrigation tube, recommended speed 15,000 rpm. These micro-saws are used in all applications, where it's necessary to cut at right angles.

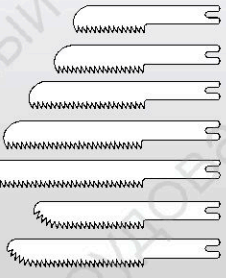


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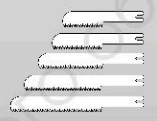
Our micro saws are mainly applied in Osteotomy for bone treatment, bone removal and for harvesting of osseous matter. A quiet, low vibration, smooth run was the declared target while constructing the micro saws. The large assortment of saw blades will support almost all intended purposes.

The further developed Micro Compass Saw works with a stroke of 4 mm at 75 strokes per second, which significantly enhances the cutting performance.



Saw blades	length	Ref.
	11 mm	5041
	14 mm	5042
	18 mm	5043
	22 mm	5044
	26 mm	5045
	17 mm, rounded	5105
	21 mm, rounded	5106

Spare blades of 0.4 mm thickness, in PU* of 6 pieces.

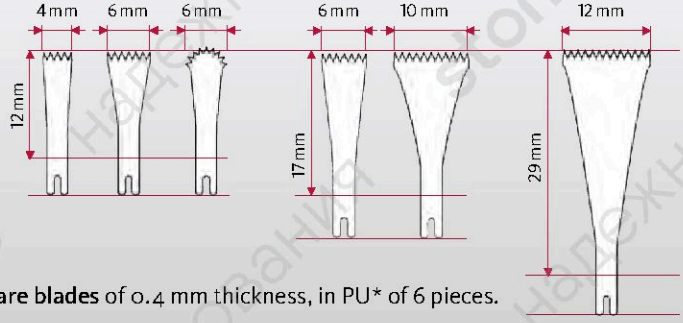


Ref. 5049

Spare blades set with one piece each of 11, 14, 18, 22 and 26 mm length and 0.4 mm thickness.

The Micro Sagittal Saw has an oszillation frequence of 250 cycles per second. Saw blades are often bent to match the correct angle of an intended cut.





Spare blades of 0.4 mm thickness, in PU* of 6 pieces.

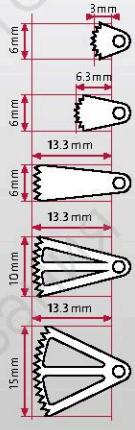


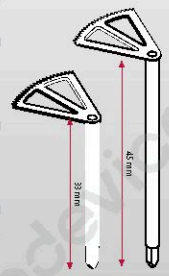
Ref. 5120

Spare blades set with one piece each of every size mentioned.

The Oscillating Micro Saw works with a frequency of 266 oscillations per second.



Saw blade	Cutting depth	Shaft length	Ref.
	3,0 mm	45 mm	5101
	6,3 mm	33 mm	5100
	6,3 mm	45 mm	5099
	13,3 mm	33 mm	5093
	13,3 mm	45 mm	5096
	13,3 mm	33 mm	5094
	13,3 mm	45 mm	5097
	13,3 mm	33 mm	5095
	13,3 mm	45 mm	5098



Spare blades of 0.4 mm thickness! PU* with one piece.

* Packaging Units

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Surgery unit

From the founder of the first
Physio Dispenser



45 years of experience

Manufactured
in Switzerland

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Surgery unit with MD 30 and Vacuson 40 on Sanicar

Dentists often work with in-house suction systems. That's fine. But when you start with Implantology you might want to safe your in-house pump from contamination of secretions. Therefor we offer our Vacuson 40 suction pump for Implantology as a closed system which makes it easy to maintain and clean.



The Nouvag Device carrier SANICAR, is ideally predestined to carry the Implantology motor system MD 30/MD 11 and the VACUSON 40 suction pump. The so called Surgery Unit can conveniently be displaced from a side room to the dentist's room while sufficiently long cables make sure to have good access to the patient.

The secretion jars from the suction pump can be emptied and cleaned in the side room, while the dentist's chair is already occupied by the next patient.

With blood and secretions contaminated bottles and equipment are no longer a disturbing factor in your practice and your in house pump system is ready to use with the next patient, because for the suction of blood and secretions in implantological applications the Vacuson 40 suction pump was used.

Safe your in-house pump system from contamination and as a consequence thereof costly cleaning and maintenance efforts.

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Extensions and accessories

Spray nozzles Ref.

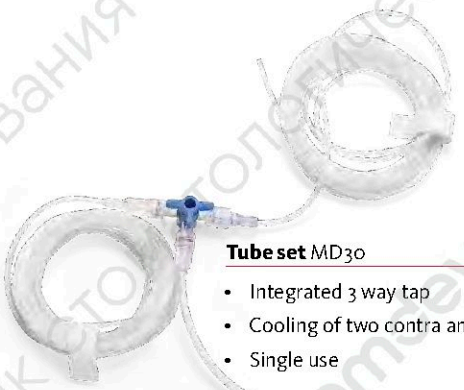
- For electronic motor 21 1974
- For contra angles with INTRA couplings 1958



NouClean spray Ref. 1984

- Maintenance and care of electronic motors and handpieces





Tube set MD30 Ref. 6025

- Integrated 3 way tap
- Cooling of two contra angles
- Single use



Tube set MD11/MD30 Ref. 1706

- Cooling of one contra angle
- 2 m length
- Single use



Motor cable clips Ref. 1873

- Attachment of cooling tube at the motor cable



Contra angles clips Ref. 1881

- Attachment of cooling tube at the contra angle



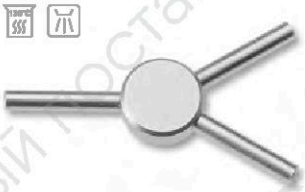
Connecting tubes Ref. 1773

- From the Y connector to the pipes for outer and inner cooling of the instrument, attached to the contra angle
- 16 cm length
- 20 pieces per PU



Y-Connector Ref. 1777

- Tube splitter to simultaneously use inner and outer cooling of instruments



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Stativ Ref. 4122

- Device shelf
- Lateral support brackets
- 2 instrument holders
- Cable rewind
- Bottom shelf
- 4 antistatic wheels from which two are lockable



SANICAR Ref. 1898

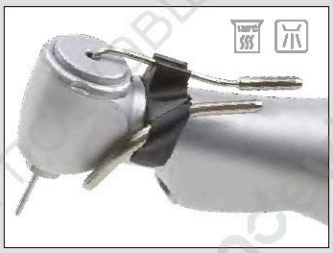
- Device shelf
- 4 instrument holders
- Middle shelf
- Socket Array with 3 sockets
- Illuminated main switch
- Cable rewind
- Bottom shelf
- 4 antistatic wheels from which two are lockable

INTRA cooling tube Ref. 39150

Clip Ref. 39149



INTRA cooling tube + **Clip** = **INTRA cooling clip for LED contra angle**



INTRA cooling tube Ref. 39116

Plastic clip Ref. 39117



INTRA cooling tube + **Plastic clip** = **INTRA cooling clip for contra angles**



Ref. 1029

Suitcase for MD11/MD30

This aluminum suitcase was lined to house the Nouvag motor systems MD11 and MD30 for Implantology. Further accessories, like contra angles and a second electronic motor can be added easily (W x D x H = 52 x 44 x 24 cm).

The suitcase is lockable and your device is protected by an aluminum outer shell an foamed rubber at the inside. It's both, good for storage and good for transport due to its lightweight and its practical, ergonomic handle.





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Technical data

Type:	Implantology Motor System MD 11, V 2.0	Implantology Motor System MD 30
Voltage:	100/115/230 Volt at 50 – 60 Hz	100/115/230 Volt at 50 – 60 Hz
Max. output power/motor torque:	120 W/6 Ncm	120 W/6 Ncm
Speed range, motor:	300 – 40,000 rpm	300 – 50,000 rpm
Max. torque at the instrument:	70 Ncm, 20 : 1 contra angle	70 Ncm, 20 : 1 contra angle
Attachment of instruments:	ISO 3964 connector (DIN 13940)	ISO 3964 connector (DIN 13940)
Cable length of motor:	2 m	2 m
Coolant flow rate:	1 – 100 ml/min	1 – 100 ml/min
Dimensions, W x D x H:	260/250/110 mm	260/250/110 mm
Weight, control unit:	2.8 kg	3.7 kg
Foot control:	VARIO pedal (2 foot switches & 1 pedal)	VARIO pedal (3 foot switches & 1 pedal)

Nouvag AG
Postfach 180
St.Gallerstr. 23–25
CH-9403 Goldach

Tel +41 (0)71 846 66 00
Fax +41 (0)71 846 66 70

info@nouvag.com
www.nouvag.com

Nouvag GmbH
Schulthaißstr. 15
D-78462 Konstanz

Tel +49 (0)7531 1290-0
Fax +49 (0)7531 1290-12

info-de@nouvag.com
www.nouvag.com

Nouvag USA, LLC
6201 Airport Freeway, Suite 200
USA-76117 Haltom City, Texas

Tel +1 817 887-9814
Fax +1 817 887-9817

Toll free number (800) 673 7427
www.nouvagusa.com

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