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Forty Years of
Swiss Innovation

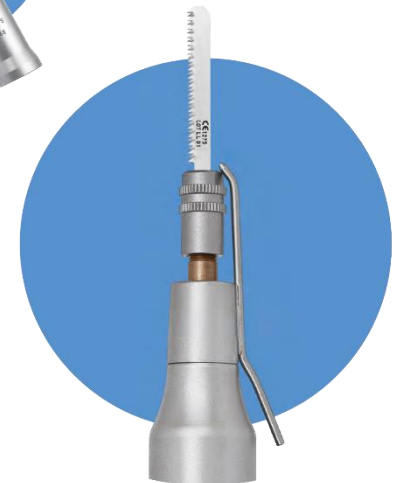
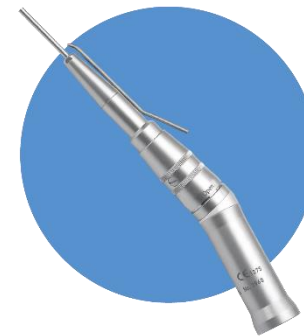
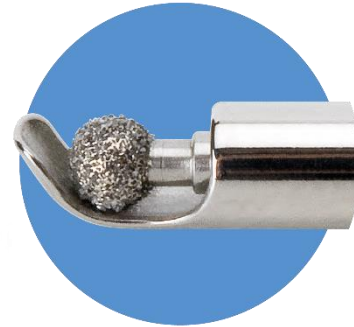


High-Speed Motor-system for Neuro-Surgery



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HighSurg 30

The reliable alternative

Neuro, Cranial, Maxillofacial, Ortho, and ENT - Surgery.

As part of the new generation of Nouvag's Surgical Motor Systems the HighSurg 30 was developed for a wide variety of applications such as:

- ENT Surgery
- Neuro Surgery
- Maxillofacial Surgery
- Orthopaedic Surgery

One for all was the idea behind the development of this drill system, particularly regarding the use in Surgery. Both the material and the console should be capable of mastering a range of challenges at any given time, whether there be a mastoidectomy with the usual otology hand pieces, or a craniotomy in Neurosurgery.





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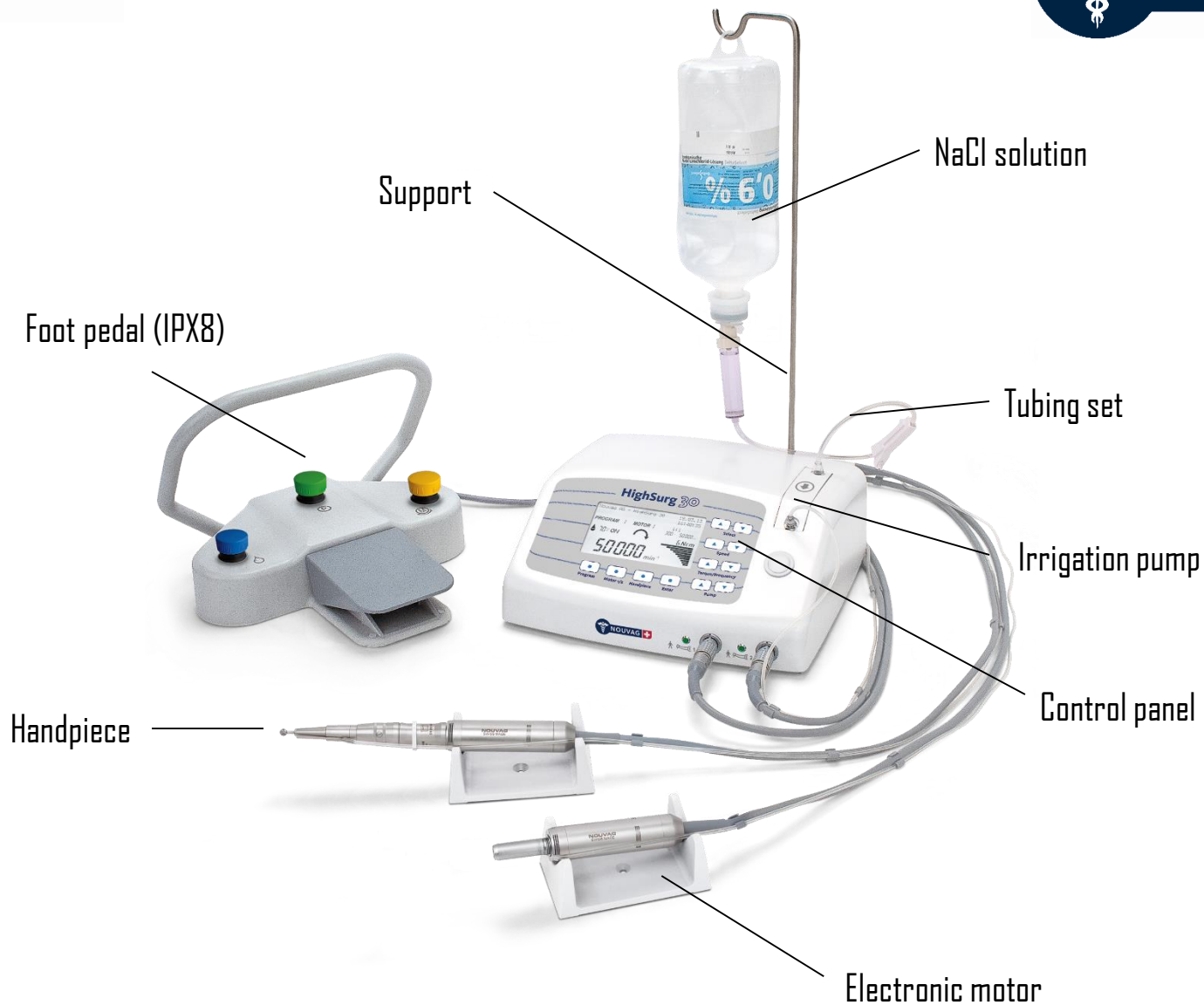
Advantages / Reason Why

- ✓ best price / performance ratio
- ✓ integrated peristaltic pump for irrigation to avoid tissue damages
- ✓ ten programs per motor can be set individually
- ✓ clearly arranged display with all information at a glance
- ✓ two electronic motor sockets
- ✓ high performance with up to 50'000 or 80'000 rpm and powerful torque
- ✓ strong and fast oscillating Shaver mode up to 5'000 rpm
- ✓ ergonomic housing, light and compact, easy to clean
- ✓ fine tuned sophisticated motor management for best precision and comfort
- ✓ Configuration Menu to individually personalize the control unit

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Description



Integrated irrigation pump

- ✓ Sufficient irrigation is very important for best results and to avoid and tissue destruction
- ✓ The integrated irrigation pump ensures a minimally invasive surgery
- ✓ Loading of the tubing set is very user-friendly and can be executed in few seconds with a front access to the irrigation pump

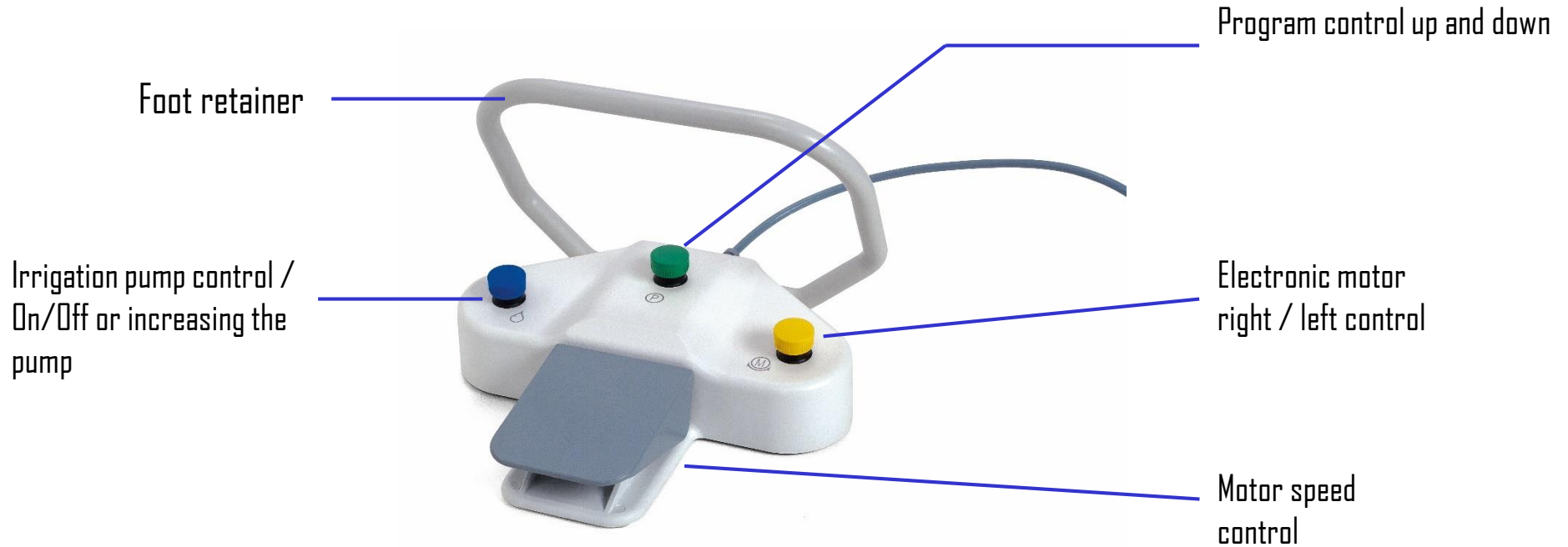


Advantages of the peristaltic pump

- ✓ Control with control unit or foot pedal
- ✓ Built in
- ✓ Low noise
- ✓ Easy loading and application
- ✓ very sensitive adjustable irrigation flow rate



Vario foot pedal (IPX8) for OR conditions

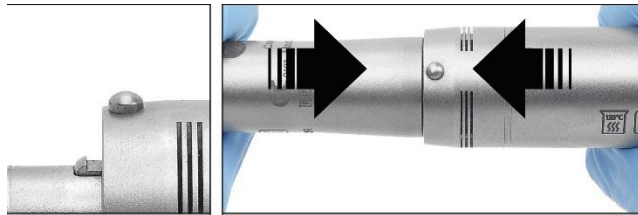


Remark: for safety reasons, the unit can only be used with foot pedal

Electronic motor 21 ESS

Ergonomically and handily

Light weight construction guarantees an ergonomic, fatigue-proof working even for longer or more complicated surgical procedures.



Security lock mechanism

High performance torque

High torque in connection with the wide speed range (300 up to 50'000 rpm / 80'000 rpm) offer a maximum flexibility to be able to fulfil the increasing demands.

Precisely and long-lived

Stainless steel ensures a high reliability and economic life time.



Autoclavable, brush less micro motor

The microprocessor-controlled electronic motor 21 ESS is suitable for periodical sterilisable cycles.

Surgical High-Speed Handpieces

- ✓ Made out of high-quality medical stainless steel
- ✓ Applicable for external cooling
- ✓ Sterile HighSpeed instruments with round-shank \varnothing 2.35 mm available
- ✓ Speed-range up to 80'000rpm



For High-Speed Burrs 70mm



For High-Speed Burrs 95mm



For High-Speed Burrs 125mm

HIGH SPEED

Surgical High-Speed Handpieces

- ✓ Made out of high-quality medical stainless steel
- ✓ Applicable for external cooling
- ✓ Sterile HighSpeed instruments with round-shank \varnothing 2.35 mm available
- ✓ High Speed up to 80'000rpm



For High-Speed Burrs 70mm



For High-Speed Burrs 95mm

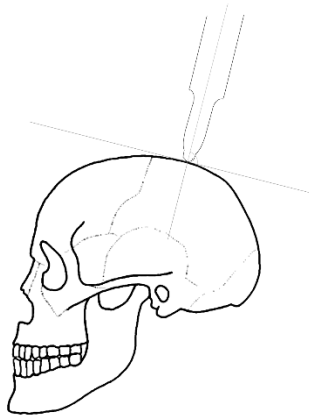


For High-Speed Burrs 125mm

HIGH SPEED

Cranial Instruments

- ✓ Cranial Perforator Handpiece with Hudson chuck



REF	Ø inner/outer	Intended use	Adult	Pediatric	Color
1978	6 mm/9 mm	for skull bone down to 1 mm		•	gray
1920	6 mm/ 9 mm	for skull bone down to 3 mm	•		gray
1977	7 mm/11 mm	for skull bone down to 1 mm		•	purple
1976	7 mm/11 mm	for skull bone down to 3 mm	•		purple
1979	9 mm/13 mm	for skull bone down to 1 mm		•	blue
1921	9 mm/13 mm	for skull bone down to 3 mm	•		blue
1980	11 mm/14 mm	for skull bone down to 1 mm		•	orange
1922	11 mm/14 mm	for skull bone down to 3 mm	•		orange

Cranial Instruments

✓ Craniotome with Duraprotector



Large









Medium



Small

Craniotome highspeed drills

STERILE

Head Ø	Number of flutes	Working length	REF for Craniotome 1926	Form/Design	Picture
1.6 mm	3	13.0 mm	HSS21C.512.016	twisted	
1.6 mm	3	16.5 mm	HSS21C.513.016	twisted	
1.6 mm	3	25.0 mm	HSS21C.514.016	twisted	
1.6 mm	2	13.0 mm	HSS21C.512.017	routed	
1.6 mm	2	16.5 mm	HSS21C.513.017	routed	
1.4 mm	2	25.0 mm	HSS21C.514.017	routed	

Endoscopic Spine Surgery

Spinal Surgery attachment

Ergonomic and lightweight Endoscopic Handpiece "angled" for various spinal burrs.

Handpiece length of 110 mm and 1:1 transmission for maximum power at distal tip. Insert burrs easily, simple and safe with quick lock coupling system.

