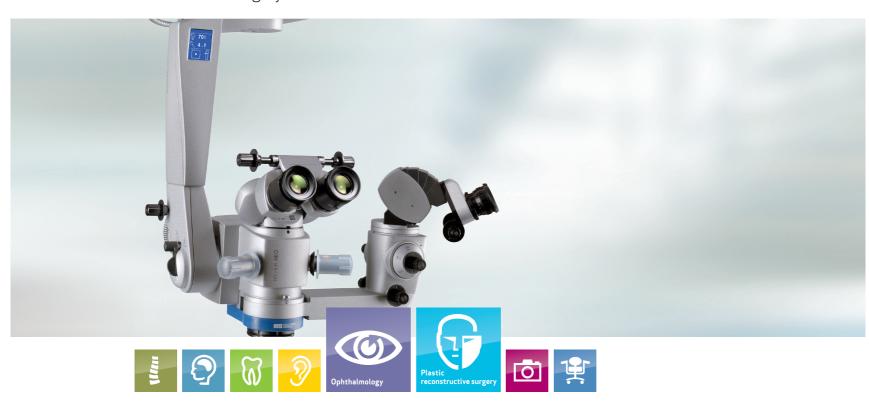
HS Hi-R NEO 900

For first class surgery







Strong Name – Strong Product







Our highlights:

Enjoy high optical visualization with HAAG-STREIT SURGICAL's microscope HS Hi-R NEO 900 for ophthalmology and hand surgery. It allows superior judgment and treatment with best depth perception and 3-dimensional vision due to its 25 mm stereo base.

The microscope's integrated display gives instant feed-back on all important settings. By a single glance you find information on the positions of focus, zoom, and X-Y coupling as well as the level of illumination. To maximize the freedom of positioning the microscope, an inclination mechanism has been integrated ranging from -70° to +90°. Fine adjustments can be made in sterile manner during surgery.

In the variation HS Hi-R NEO 900A NIR, the microscope is ready

for intraoperative OCT (iOCT)*. Live scans on the anterior or posterior eye's segment support a number of procedures and ensure surgical outcome.

Modularity – this key word describes the accessory structure of the HS Hi-R NEO 900. On demand, the ophthalmoscopic system EIBOS 2 as well as the TOCULAR can be added. Standard accessories are available like observers, cameras, a recording system, a keratoscope, a motorized slit lamp, a depth-of-field diaphragm, and foot switches.

For the carrying system also various options, including the choice of illumination (halogen and LED), arise. Take advantage of this modularity for optimal patient care, cost efficiency and fast return on investment.

^{*} Pending FDA approval. Not for sale in the US.







Outstanding visualization



>> HS Hi-R NEO 900A

offers the assistant full stereoscopic vision. The 0° assistant scope with its 12.5 x oculars has its own magnification changer (5 steps) and focusing device allowing both surgeons independently to select the focal plane and magnification. It easily swivels laterally, and, for relaxed working, the eyepiece head may be inclined and rotated into the most comfortable position.

>> ZERO BEAM 900

The microscope's integrated red reflex enhancer is especially designed to clearly show all details during polishing the capsular bag. For light hazard protection even at low illumination levels a bright reflex is visible. The red reflex enhancer can be individually adjusted to always achieve a perfect red glow as well as switched off for corneal surgery.

Depth of field

With the large depth of field achieved by HS Hi-R NEO 900 focussing procedures are limited to a minimum. To increase this effect also in high magnifications our Double Iris Diaphragm can be added.

EQUIPMENT



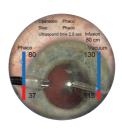
>> TOCULAR

Rotatable ocular with reticle for alignment of toric IOLs.



XERATOSCOPE

For examination of the cornea.



» Light router LR 1000i

Image injection with LR 1000i for phaco operation parameters (Geuder Megatron S4).



» Light router LR 1000

For facing surgeons in hand surgery.







> M.DIS

(Microscope Display) turns the operating microscope into a microsurgical image control center. The high resolution screen, mounted next to the oculars, provides images or data for the surgeon which she/he may see by momentarily looking up from the oculars. The touch screen allows control of numerous functions.

For best visualization we recommend our HAAG-STREIT camera C.MOR HD as well as the monitor C.MON HD.

Various camera attachment systems like light Routers and especially the Beam Splitter T are available.





MS MIOS 4

MIOS stands for Microscope Imaging and Operation System. Its prime functions are recording of operation scenes, capturing and recording of snapshots, together with proper identification of patients' and hospital data. Images and video streams can be stored on DVD-R/-RW, HDD, USB sticks, and external USB hard disks or transmitted to the hospital PACS via DICOM.



EIBOS 2

Important for vitreoretinal surgery is the non-contact wide angle ophthalmoscope EIBOS 2, which is rotatable around the front lens. EIBOS 2, covered with a sterile drape, is flipped down for the operation. The focus mechanism and the inverter are integrated.

The slit illumination (integrated into the HS Hi-R NEO 900) can be applied very effectively through the EIBOS 2 in the starting phase of a vitrectomy for better vision of the vitreus.





Halogen or LED

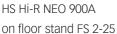


HS Hi-R NEO 900 with M.DIS on floor stand FS 2-11 / FS 2-15



Foot switches EF 5000 / EF 5001 with 14 functions









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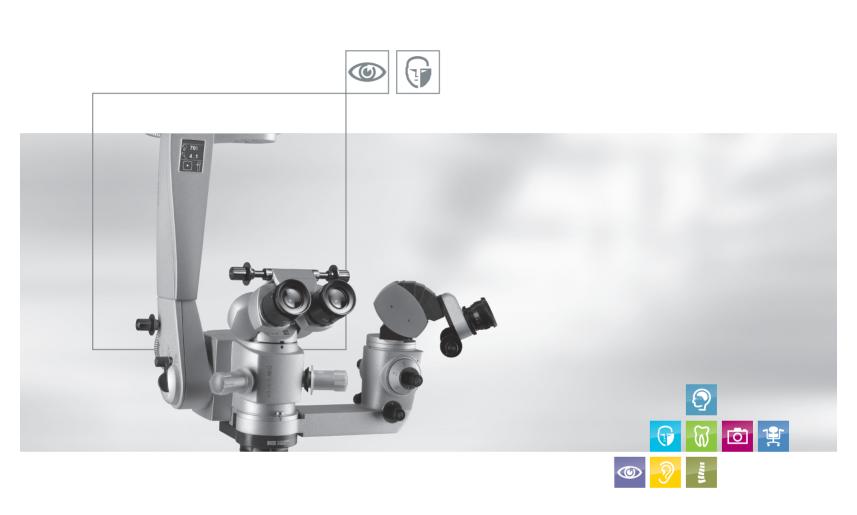


Tradition and Innovation

Tradition and Innovation

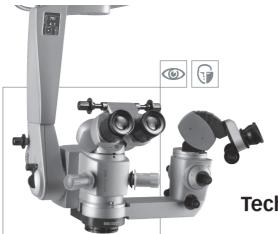
Tradition and Innovation

HAAG-STREIT SURGICAL distributes products manufactured by MÖLLER-WEDEL through dedicated representatives as well as national sister companies globally. You can find their contact addresses under www.haag-streit-surgical.com.



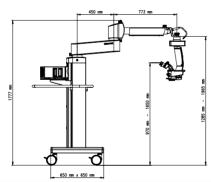
Technical Data HS Hi-R NEO 900

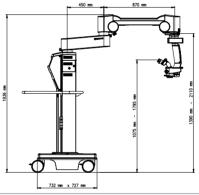




Technical Data H	S HI-R NE	0 900
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Operating microscope	HS Hi-R NEO 900	HS Hi-R NEO 900A	HS Hi-R NEO 900A NIR
Optics	apochromatic with correction of residual aberration	apochromatic	apochromatic, optimized for Near Infra Red (NIR)
Stereo base	25 mm		
Working distance			
(standard, exchangeable)	200 mm	175 mm	175 mm
Magnification (mot. zoom 1:6)	3.9 x to 23.2 x	4.4 x to 26.6 x	4.4 x to 26.6 x
Focus (mot.)	+17 mm to -13 mm		
X-Y coupling	60 mm x 60 mm		
Diameter visual field	9.0 mm to 54.2 mm	7.9 mm to 47.4 mm	7.9 mm to 47.4 mm
Illuminated field	31 mm to 59 mm	27 mm to 51 mm	27 mm to 51 mm
Eyepiece head, inclinable	200°	surgeon 200°, assistant 160°	surgeon 200°, assistant 160°
Diopter setting	+5 D to -8 D		
Oculars	10 x	surgeon 10 x, assistant 12.5 x	surgeon 10 x, assistant 12.5 x
Rotation	540°, electromagnetic		
Inclination	coarse -70° to +90°, fine +/- 10°		
Filter	UV, softlight, daylight, blue		
Weight (without accessories)	9.2 kg	11.5 kg	11.5 kg





Floor stands	FS 2-11	FS 2-15	FS 2-21	FS 2-25
Door height	1777 mm		1936 mm	
Maximal arm reach	1223 mm		1320 mm	
Swivel area	2 x 300°		2 x 270°	
Height at oculars	970 mm to 1650 mm		1075 mm to 1795	mm
Carrying capacity	4.5 kg to 15.0 kg		5.5 kg to 17.0 kg	
Weight	198 kg		240 kg	
Light source including	2 x 150 W	2 x 50 W	2 x 150 W	2 x 50 W
backup	halogen	LED	halogen	LED
Permanent filters	UV, IR			
Operating voltage	100 VAC to 240 VAC			
Max. power consumption	600 VA	450 VA	1200 VA	1000 VA
Brakes	preset, manual		electromagnetic	
Foot switch	14 functions			
Optional equipment	trays with transformers,	monitor arms		