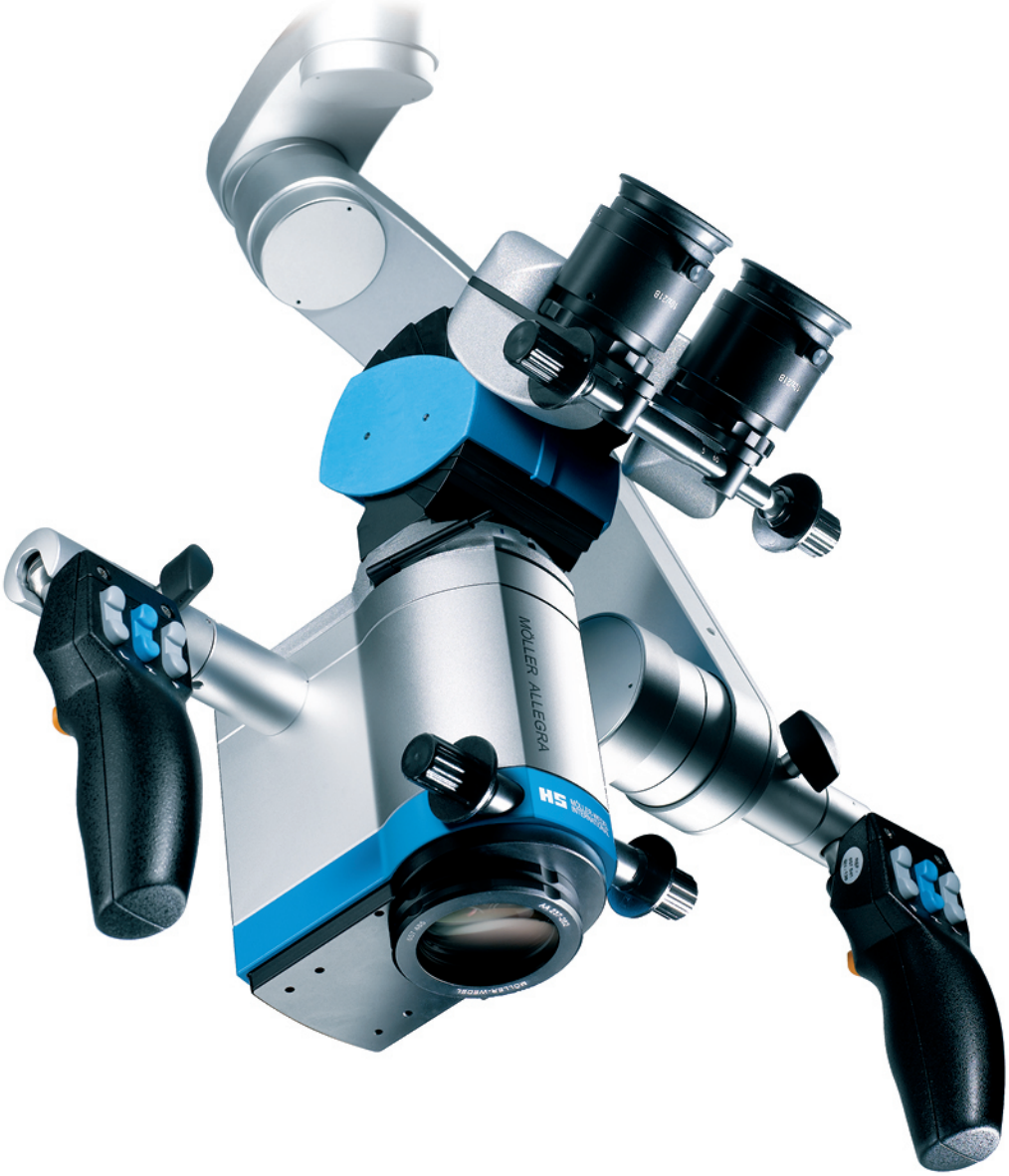
MÖLLER ALLEGRA 300



MÖLLER-WEDEL INTERNATIONAL

Tradition and Innovation

Setting the pace

MÖLLER ALLEGRA 300 is optimized for oral cavity and plastic reconstructive procedures. With the support of two ergonomic handles the microscope rotates cardanically around its center of gravity, thus providing optimal movement in all directions. This construction keeps the microscope permanently in balance.



MÖLLER ALLEGRA has been awarded for its good design.



MÖLLER ALLEGRA 300 with M.DIS

Factory-preadjusted mechanical soft-glide brakes provide extremely high movability of the microscope and safe stability in the working position. The MÖLLER ALLEGRA 300 contains a 1:6 zoom and a fine focus adjustment.

For coobservation the high-resolution monitor M.DIS can be mounted to the microscope arm, where it will not affect the balance. M.DIS allows intraoperative viewing and controlling of video recordings and snapshots.

For better access of the assistant on the left, the microscope arm is mounted at the right side.

The large stereo base of 25 mm results in an exceptional depth perception.

The inclinable 160° eyepiece head can be mounted to the VERTISCOPE, a 60° adapter, to allow extreme retrograde viewing. This adapter contains a rotatable ring to move the oculars into a horizontal position even when the microscope is tilted sideways.





Turning knob for the filter disk

The inclination angles of -55° to +95° and the lateral tilt of 45° provide optimal illumination for recognition of deep cavities and small canals.

Optionally, an integrated video camera (1 CCD) can be delivered. This reduces the length of the microscope and makes cleaning easier. Attachments for small digital cameras are also available.

MÖLLER ALLEGRA 300 contains the following filters: daylight, softlight, yellow (against UV radiation), blue (fluorescence), green (recognition of blood vessels), and two spot diaphragms (against glare).

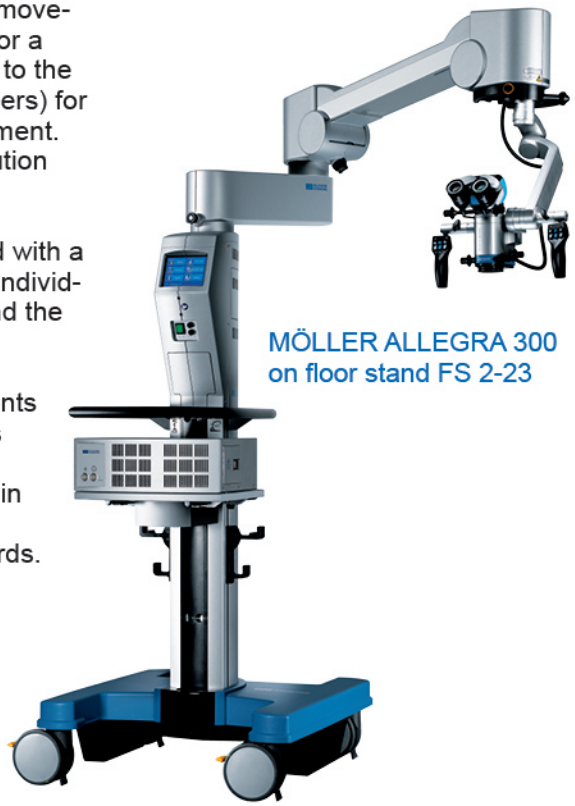
An additional UV filter may be switched in to protect the surgeon's eyes during UV hardening of filling material.

High-tech solutions

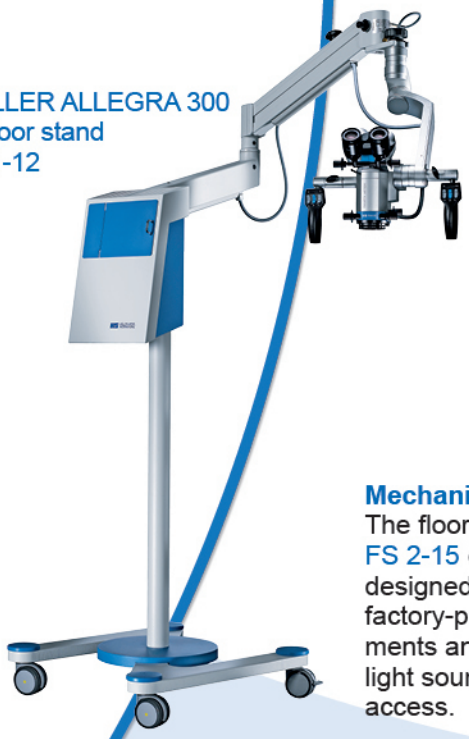
Electromagnetic brakes in the floor stands FS 2-21 (halogen), FS 2-23 (xenon), and FS 2-25 (LED) support the smooth movements of the microscope. A holder for a foot switch can be mounted directly to the column as can trays (with transformers) for camera control units or other equipment. The front side accepts a high-resolution monitor (optional).

All versions are computer-controlled with a touch screen for programing of the individual start settings of the surgeons and the surgical procedures.

The shape and internal reinforcements of the column make the floor stands extremely stable against vibrations. The cables are completely covered in easily accessible cable ducts. The design already meets future standards.



MÖLLER ALLEGRA 300
on floor stand FS 2-23



MÖLLER ALLEGRA 300
on floor stand
FS 1-12



MÖLLER ALLEGRA 300
on floor stands
FS 2-11 / FS 2-15

Mechanical solutions

The floor stands FS 2-11 (halogen) and FS 2-15 (LED) are equipped with newly designed mechanical brakes, which are factory-preadjusted for free-floating movements and stable working positions. The light source is mounted externally for easy access.

If only little space is available, the floor stand FS 1-12 with mechanical brakes, a 150 W halogen light source, and switchable backup lamp is recommended.

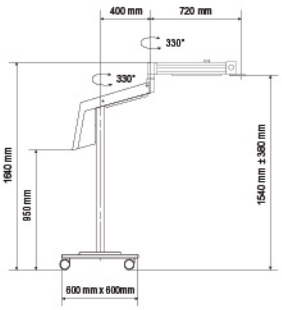
Ceiling units are available on request.

Technical Data

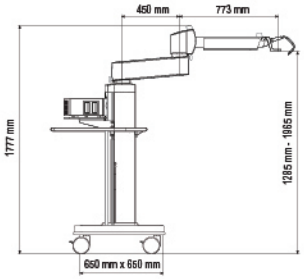
Microscope MÖLLER ALLEGRA 300

Stereo base	25 mm
Working distance	237 mm to 263 mm (manual fine focus)
Eyepiece head	160° inclinable
Oculars	10x
Motorized zoom 1:6	2.8x to 18x
Visual field (zoom)	11.7 mm to 74 mm
Diopter settings	-8 D to +5 D
Lateral tilt	45°
Inclination angles	-55° to +95°
Brakes	electromagnetic
Filter disk	5 color filters, 2 diaphragms
Surg. protection filter	UV
Weight	6.3 kg

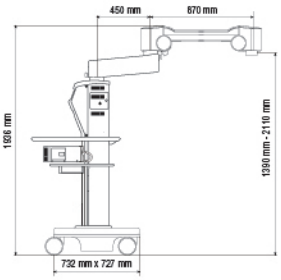
Floor stand FS 1-12



Floor stands FS 2-11 / FS 2-15



Floor stands FS 2-21 / FS 2-23 / FS 2-25



Floor stands	FS 1-12	FS 2-11 / FS 2-15	FS 2-21 / FS 2-23 / FS 2-25
Door height	1640 mm	1777 mm	1936 mm
Vertical travel at oculars	901 mm to 1661 mm	1026 mm to 1706 mm	1131 mm to 1851 mm
Maximal arm reach	1120 mm	1223 mm	1120 mm
Carrying capacity	4.5 kg to 9.0 kg	4.0 kg to 15.0 kg	5.5 kg to 17.0 kg
Brakes	mechanical	mechanical, preset	electromagnetic
Balancing	mechanical	mechanical	mechanical, sensor-aided
Illumination	2 x 150 W halogen	2 x 150 W halogen / 1 x 50 W LED	2 x 150 W halogen / 1 x 300 W xenon / 3 x 20 W LED
Protection filter	UV and IR	UV and IR	UV and IR
Operating voltage	100 VAC to 240 VAC	100 VAC to 240 VAC	100 VAC to 240 VAC
Power consumption	400 VA	600 VA / 500 VA	1200 VA / 1000 VA / 1000 VA
Weight	80 kg	198 kg	240 kg / 250 kg / 240 kg

Ceiling units on request

Subject to alteration

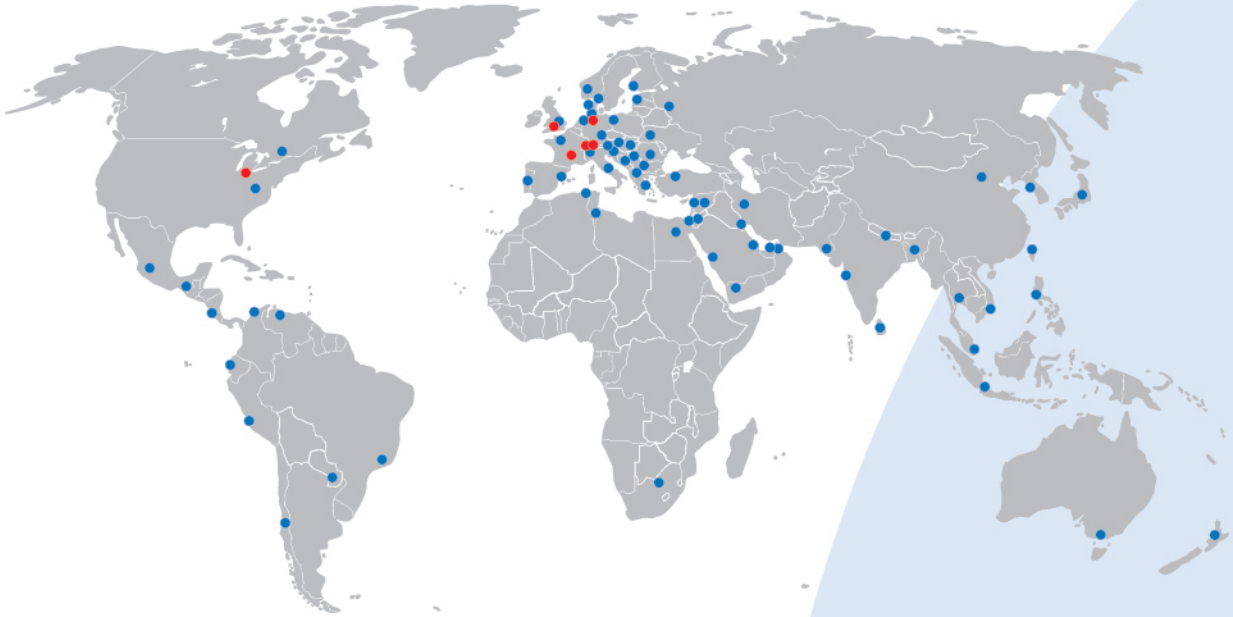
Tradition and Innovation – Worldwide

Responsibility for human beings and the environment

HAAG-STREIT Group

Haag-Streit, founded 1858 in Switzerland, with its headquarters in Bern, has a top position internationally in the industry of medical products, particularly for ophthalmology. The group of companies, characterized by the motto 'Tradition and Innovation', consists of economically and technologically strong partners. Möller-Wedel is proud to be part of this group, which gives a strong foundation for the future development of operating microscopes. Möller products are available in most countries through dedicated distributors who also provide competent service and support. You will find the contact addresses of the local Möller-Wedel representatives under **www.moeller-wedel.com.**

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Tradition and Innovation

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176e640 – Printed in Germany