

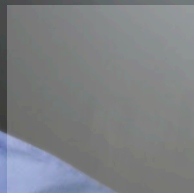
From Eye to Insight

Leica
MICROSYSTEMS

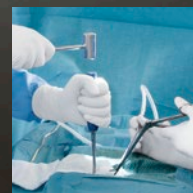
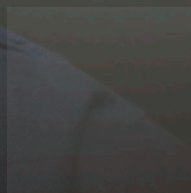
Surgical microscope tailored for spine surgery

SPINE REDEFINED

Leica M530 OHX



clear view in
deep cavities



more room to
maneuver long
instruments



VISUALIZATION REDEFINED

See more so you can maneuver your surgical instruments with confidence, for optimal surgical precision.

You operate in tight spaces with no room for error. The new M530 OHX redefines spine surgery by combining market-leading working distance of 600 mm and apochromatic optics providing ample space for long instruments, and an uncompromised view of the surgical field. You see more even at the bottom of the deep, narrow cavities that are common in spine surgery, so that you can confidently maneuver instruments and apply your skills precisely.

Gain deeper insights

Small Angle Illumination (SAI) and bright 400-Watt xenon illumination allow light to penetrate to the bottom of deep, narrow cavities with fewer shadows.

- > More details are revealed
- > Depth perception is improved



Without SAI

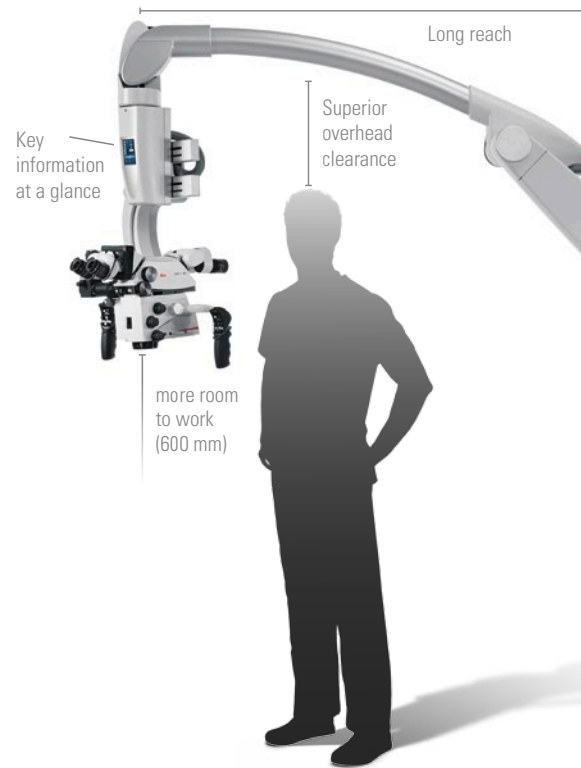


With SAI

Choose what you need

Customize and adapt the Leica M530 OHX optics to each individual user's preferences.

- > Additional 40% magnification boost with the optional Leica Magnification Multiplier
- > With SpeedSpot, two laser beams act as a focusing reference to quickly define a focus point for surgeon, assistant, and camera



WORKFLOW EFFICIENCY REDEFINED

Support your workflow efficiency with simple, flexible set-up and usage.

The Leica M530 OHX provides superior overhead clearance and reach with up to 600mm working distance, creating positioning flexibility even in a crowded OR. User-friendly set-up and operation further support you and your OR team to streamline the spine surgery workflow.

Set-up and control with ease

- > Fast automatic balancing pre-operatively with two pushes of the button and intra-operatively with the AC/BC button, conveniently located on the optics carrier
- > Intuitive touch-screen control panel makes set-up and alteration simple and efficient
- > Confirm settings with just one glance to the surgeon information panel above the optics carrier

More room to work

Benefit from unobstructed access with market-leading **600 mm** working distance.

- > Easily move long spine instruments beneath the microscope during surgery
- > Avoid interruption to workflow as you can now use the microscope for entire procedures where it may previously have been necessary to switch to loupes

Smooth handling

Fast and effortless positioning reduces the potential strain of harsh movements and enhances efficiency.

- > Cables routed internally plus electromagnetic brakes enable smooth maneuvering
- > Fast stabilization keeps workflow interruptions to a minimum



OPERATING COMFORT REDEFINED

The whole team benefits from an ergonomic design tailored to the needs of spine surgery.

Operating in an ergonomic, upright position can help avoid neck and back strain. With less physical distraction you and your assistant maintain concentration during every spine surgery today, and into the future.

Positioned for your comfort

- > Adaptable to different operating positions and body frames with full 360° rotation on all binoculars
- > Extensive range of movement in the optics carrier for ease of maneuvering
- > Working distance of up to 600 mm allows the microscope to be positioned closer or further from the operative site according to the surgery, instrument length and surgeon height



TECHNICAL INFORMATION

Leica M530 OHX	<ul style="list-style-type: none"> - Full stereo view for main surgeon, semi-stereo view for 2 side assistants, C-mount for camera (HD/SD) - Light distribution: 67% for surgeon, 23% for side assistant, 20% for camera
Magnification	6:1 zoom, motorized
Total magnification	1.0x to 12.1x with 10x eyepiece (1.4x with optional magnification multiplier)

Focus	Motorized via multifocal lens, with manual adjustment
Objective / working distance	225 to 600 mm, motorized multifocal lens, continuously adjustable and manual adjustment option
Field of view	17.4 to 210 mm ø with 10x eyepiece
Illumination	High-output 2x 400-W redundant xenon arc-lamp systems via fiber optics cable

REGULATIONS AND STANDARDS

- Class I Surgical microscope Leica M530 OHX incl. accessories
- > Council Directive 93/42/EEC on Medical Devices (MDD) and its amendments.
 - > IEC 60601-1 / EN 60601-1 Medical Electrical Equipment, Part 1: General requirements – including national differences of EU, CA, US.
 - > IEC 60601-1-2 / EN 60601-1-2 Electromagnetic Compatibility.

The Medical Division, within Leica Microsystems (Schweiz) AG, holds the management system certificates for the international standards ISO 9001, ISO 13485, and ISO 14001 relating to quality management, quality assurance and environmental management



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