

## ABOUT

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The **Leica M400 E** surgical microscope is a high-performance imaging system designed for ENT and microsurgical procedures. Combining Swiss precision with user-friendly ergonomics, this microscope offers excellent optical clarity, a patented counterbalance system for stability, and intuitive one-hand movement for precise positioning. Its modular design allows for customization with a range of accessories, making it a versatile choice for surgical environments.

## FEATURES

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**Patented Counterbalance Mechanism:** Ensures smooth, stable positioning, even when accessories are attached.

**One-Hand Movement:** Ergonomic handle allows easy and precise adjustments with minimal effort.

**Superior Optics:** High-resolution imaging with a wide depth of field and excellent contrast.

**Integrated Illumination:** Features coaxial halogen lighting with optional Xenon light source for bright, shadow-free visualization.

**Long-Reach Swing Arm:** Provides optimal positioning flexibility in the operating room.

**Modular Customization:** Compatible with various optical accessories, including beam splitters, camera adapters, and laser attachments.

**Compact and Mobile:** Designed with a sturdy base, smooth-rolling casters, and intuitive controls for easy transport and setup.



## MICROSCOPE

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**Magnification:** 5 step magnification changer, manually

**Range of Magnification:** 1.5x – 40x with 10x eyepieces

**Field of View:** 33 mm – 132 mm with 10x eyepieces illumination

**Illumination:** Integrated coaxial halogene illumination 12V/50W with quick lamp changer, optional with light intensifier

**Xenon Light Source:** Optional; 180 Watt Xenon light source, including 150 Watt halogen light source

**Spot Illumination:** Adjustable, minimal spot of 10 mm

**Focusing:** Optional fine focusing lenses, range of 14 mm

**Handle:** Ergonomically and sterilizable

# SPECIFICATIONS



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## STAND

**Maximum Reach:** 143.9 cm

**Vertical Range:** 60 cm

**Maximum Transport Height:** 182.5 cm

**Weight Without Microscope:** 174 kg

**Type:** Mobile floor stand with 7 precision joints

**Base:** Compact with 4 casters and 2 brakes

**Control Unit:** Built on and compact

**Balancing:** Manually adjustable swingarm and microscope carrier (patented)

**Maximum Load:** 5.0 kg of accessories to the microscope

## OPTIONAL ACCESSORIES

**Beam Splitter:** 50% / 50%, 70% / 30%

**Binocular Tubes:** With variable angle of observation 0–180° and 30–150°, straight- and inclined tubes, with drive for adjusting interpupillary distance

**Eyepieces:** Wide-field eyepieces for spectacle wearers 10× and 12.5×, Dioptic setting +/– 5 with adjustable eye cup

**Objectives:** Fixed focal lengths from f = 100 mm up to f = 400 mm, fine focusing lenses with f = 250 mm, 275 mm and 300 mm

**Second Observer:** Stereo attachment for second observer and monocular tube for beam splitter

**Photo Attachment:** f = 250 mm and f = 350 mm

**Videoadapter:** Videozoom tube, TV/photo dualattachment, TV adapter f = 107 mm

**Video Systemes:** Leica 2D Video Pickup System, Leica 2D Video C-mount System

**Asepsis:** Sterilizable protective glass cover for the objectives; sterilizable components for all drive knobs, commercially available drapes

**Laser:** Various commercially available lasers can be attached

## ELECTRICAL DATA

**Power Supply:** 100 / 230VAG +10% / –15%, 50 / 60Hz, 1500VA

**Classification:** Class 1

**Type:** Type B

**Fuses:** 2× T6.3A / 250V