# MAGNA

DENTAL OPERATING MICROSCOPE




LABOMED®
ideas for vision

# A NEW MILESTONE IN DENTAL MICROSCOPY



Named for the Latin word for greatness, the LABOMED® Magna brings crystal-clear visualization to the dental practice in a compact, ergonomic design. Its highly responsive apochromatic zoom system makes the ideal magnification easy to reach. As with every instrument that carries the LABOMED® name, image sharpness is a given.

The Automatic Balancing Arm (ABA) uses an electromagnetic brake to give complete freedom in positioning the microscope and setting its viewing angle. Head-mounted accessories need no counterbalancing. At the press of a button, the microscope moves smoothly and effortlessly; on release, it locks firmly in place.

An integrated LED delivers shadow-free white light at 120,000 lux, with a rated life of up to 60,000 hours. Built-in yellow, green and polarizing filters provide full flexibility from diagnosis through surgery.

The LABOMED® NuVar variable working-distance objective is standard, so each user can set a comfortable working distance. Supplied with ergonomic optical accessories, including smartphone adapters, the Magna arrives fully equipped, with no need for costly add-ons at the time of purchase.

These advantages come together in a modern arm and stand that articulate with feather-touch precision, satisfying even the most discerning user.



# THE POWER OF ZOOM




Optically, the Magna's apochromatic design provides full color correction across three wavelengths, and its zoom mechanism spans a wide range of magnifications. Every optical surface carries LABOMED MaxLite coatings: durable, virtually reflection-free and engineered for maximum light transmission.

Clinicians at every level of experience will appreciate the zoom system's push-in detent lever, which gives repeatable, clearly identifiable magnification stops. A single movement switches between continuous zoom and eight fixed steps.

The ABA brake system was designed for effortless articulation. Release buttons on both the left and right sides of the ergonomic handle make operation intuitive. Holding either button lets the microscope move freely, whatever the accessory load; releasing it holds the microscope in position instantly.







*"The ABA brake release is so simple and responsive that I can reposition the microscope with one hand."*



# ERGONOMIC POSTURE AND CRISP DOCUMENTATION



The ergonomic dual handle carries brake-release buttons for both right- and left-handed users. The NuVar variable objective's responsive control collar allows smooth adjustment of focal length.

A 45° extender wedge and RotoPlate keep the user in the most ergonomic seated position, upright even at extreme treatment angles. DSLR and smartphone adapters make the system ready for every documentation need.


NuVar


DSLR Adapter 0.7 X


DSLR Adapter 1.0 X



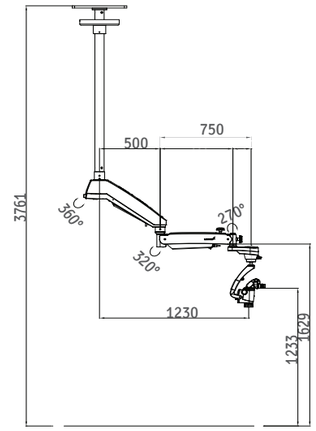
A high-intensity LED delivers 120,000 lux at daylight color temperature, approaching the quality of xenon light without the cost of frequent lamp replacement. The Magna's LED is rated for up to 60,000 hours without degradation.

The Magna comes standard with a heavy-base floor stand for maximum stability. For smaller operatories, ceiling and high wall mounts keep the structure out of the way.

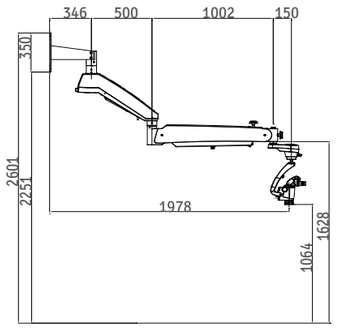
On wall and ceiling installations, the extended reach of the ABA arm gives the greatest freedom of movement and makes the ideal viewing position easy to reach.



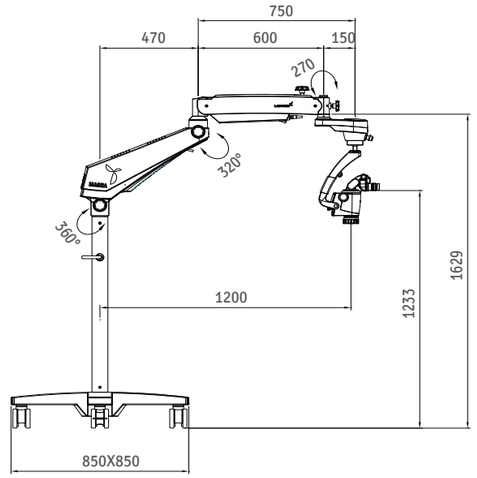
CEILING MOUNT




WALL MOUNT




FLOOR MOUNT

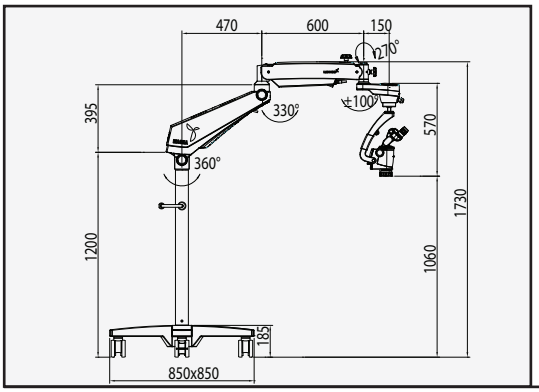



All dimensions in mm

# MAGNA

## SPECIFICATIONS

| | |
|---|---|
| Stand | Robust, vibration-free stand on a cross base with four lockable caster wheels |
| Binocular Tubes | 0-210° tiltable head configured with Rotoplate, DBSi (inclined double beam splitter), Double iris and DSLR Adapter |
| IPD Adjustment | 49-78 mm |
| Eyepieces | WF 10X/18 mm lockable eyepieces, one with resolution markup to assist in diopter adjustment<br>Option: 12.5x/18mm diopter adjustment |
| Diopter Adjustment | ± 7 with diopter lock |
| Apochromatic Magnichanger | Galilean Zoom 1:6, convertible to 8 step magnichanger |
| Zoom Range | 0.4-2.5X |
| Objective | Standard: *NuVar*™ 10 with variable focal length: f 300-400 mm WD: 220-320 mm<br>Option: *NuVar*™ 20 with variable focal length: f 295-495 mm WD: 200-400 mm |
| FOV | 105-13.0 mm |
| Magnification Range | 1.7x-14.20x |
| Light Source | 50 watt LED, 100-240V |
| Maximum Wattage | 200 watts |
| LUX | 120K |
| Color Temperature | 6500K |
| Built-in Filters | Yellow, Green & Polarizing |
| Vertical Movement of Arm | ± 250 mm, power saving feature with light cut-off at park position |
| Microscope Carrier | ABA (Automatic Balancing Arm) with electromagnetic release for easy, drift-free positioning |
| Mounting Options | Floor stand, wall mount and ceiling mount |
| Optional Accessories | *Proline* range of camera adapters & Smart phone adapters<br>Low height Ergo view |




All dimensions in mm

| DESCRIPTION | CONFIGURATION | CATALOG NO. |
|---|---|---|
| MAGNA | Floor Stand (std arm) | 6129100 |
| MAGNA | Ceiling Mount (std arm) | 6129200 |
| MAGNA | Wall Mount (std arm) | 6129300 |
| MAGNA | Ceiling Mount long arm | 6129201 |
| MAGNA | Wall Mount long arm | 6129301 |

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