

DENTAL MICROSCOPE

ANGEL 100

Dental Microscope

Motorised control. A closer view.

Motorised dental operating microscope with continuous zoom, a motorised variable objective, electromagnetic locking, multi-function handgrips, a touch screen, illumination up to 80,000 lux and integrated 4K documentation.

1:6.25

Motorised zoom

198–455 mm

Variable objective

80,000 lux

Maximum illumination



Highlights

Integrated design

Internal wiring keeps the whole unit neat, and the monitor bracket is built into the cross-arm for a balanced, stable system.

Wide reach

A 1729 mm reach covers a wide treatment area and gives more room to work.

One-handed control

Multi-function handgrips control focus, zoom, dimming, capture and the electromagnetic lock. Press to release, move, and the microscope stays in place.

Applications in dentistry

Supports implant placement, endodontics, oral surgery, pulp treatment and aesthetic restoration with a clear, magnified view.

Key features

- Motorised continuous 1:6.25 zoom.
- 0–180° binocular head with interpupillary adjustment.
- Motorised 198–455 mm variable objective.
- Dual-lamp LED illumination up to 80,000 lux, CRI ≥85% and 5500K, with LED life of more than 50,000 hours.
- Fluorescence mode and depth-of-field strengthening.
- Four- or six-joint electromagnetic lock.
- Multi-function handgrips for focus, zoom, illumination, capture and unlocking.
- Integrated 4K camera, with optional 3D imaging and auto focus.
- Wireless foot pedal for photo and video.
- Touch screen behind the first horizontal arm, and a display showing magnification, working distance, dimming and focus/zoom speed.
- Optional 2D/3D assistant scope.
- Reach of 1729 mm.

Specifications

OPTICS & OBSERVATION

Zoom	Motorised continuous 1:6.25; zoom ratio 0.4–2.5X
Total magnification	1.7X–19X with 12.5X eyepiece and 198–455 mm objective
Eyepiece	12.5X/18B, ±7D; optional 10X/21B, –8D to +6D
Binocular	0–180° inclined with pupillary distance adjustment knob
Objective	Motorised 198–455 mm variable objective
Depth of field	Integrated depth-of-field enhancer
Touch screen	Installed behind the first horizontal arm
Assistant viewing	Optional 2D / 3D assistant scope

LIGHT & ILLUMINATION

Illumination	Dual lamp; up to 80,000 lux; CRI ≥85%; 5500K; LED life >50,000 hours
Light modes	Fluorescence and natural white light; orange / green filters; NoGlare; maximum / medium / minimum spot

IMAGING & DOCUMENTATION

Camera	Built-in 4K camera; 3D camera system optional; auto focus optional
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POSITIONING & INSTALLATION

Stand / locks	Mobile floor stand; 4- or 6-joint electromagnetic lock
Handle controls	Objective, zoom, dimming, photo/video, unlock and custom camera controls
Display	Magnification, working distance, dimming and focus/zoom speed
Foot pedal	Wireless photo/video pedal
Reach	1729 mm

Options

- 10X/21B eyepiece (12.5X/18B standard).
- Four-joint or six-joint electromagnetic lock.
- 3D camera system (4K standard).
- 2D or 3D assistant scope.

Accessories

- Straight or 45° binocular head
- Beam splitter, 2:8 or 5:5
- 30° or 90° binocular extender with rotation device
- 30° extender with beam splitter and rotation device
- 3D assistant scope
- Sony, Canon or Nikon camera adapter
- Mobile phone adapter
- Laser protection filter
- FS-3 wireless foot pedal for the built-in camera

Specifications can change and may vary by configuration. Confirm the supplied specifications before ordering.

Alltium Australia · alltium.com.au · sales@alltium.com.au