



# MICROSCOPE **OP-DENT 5**

HIGHEST PRECISION ODONTOLOGY

- Greater precision
- Maximum ergonomics
- Images without shadows



# MICROSCOPE **OP-DENT 5**

## **MICROSCOPY FOR PRECISE ODONTOLOGY**



The OP-DENT 5 microscope has been developed to provide greater ergonomics and comfort to the professional in any procedure.

This equipment of easy handling and agile movements allows an optimal result. Its compact and highly resistant design allows the OP-DENT 5 to be adapted to all types of offices.

The Fibrolux LED HP light source together with coaxial illumination frees the working area from shadows, resulting in bright, sharp and accurate images.

The OP-DENT 5 offers the perfect vision for minimally invasive procedures and more conservative dentistry.

Thanks to its videomicroscopy system, the equipment is complemented to facilitate training and support of assistants.



"OBSERVATION BEGINS WHERE LOOKING ENDS"

# MOVEMENTS, TURNS AND BRAKES

## SMOOTH AND FIRM CONTROL

The OP-DENT 5 microscope facilitates an upright and relaxed posture, which benefits comfort and prevents musculoskeletal pain.

This compact and agile equipment can be moved and placed in the desired position with just one hand. Thanks to its bearings and brake discs, it achieves a smooth and stable movement.



### CONTROL HANDLES

The handles can be fixed in any position.

# MICROSCOPE **OP-DENT 5**

## **STABLE, PRECISE AND AGILE**

The brakes of the OP-DENT 5, with progressive adjustment, keep the equipment in the desired position. Its stable design makes the equipment unique for an optimal result, facilitating any movement needed during interventions.



### **ROLLING FLOOR STAND**

Possibility of moving the equipment thanks to five wheels with individual brakes.



### **FIXED FLOOR MOUNT**

Compact mounting that allows the microscope to be fixed to the ground.



### **WALL MOUNT**

Saving space. The microscope can be folded against the wall when not in use. Possibility of extension of +30cm.



### **CEILING MOUNT**

Ideal solution when wall or floor space is limited



**OPTOMIC**



# LENSES, EYEPIECES AND MAGNIFICATIONS

## VISIBLE ACCURACY

The OP-DENT 5 is ideal for examining down to the last detail of the intervention process, favoring effectiveness and early diagnosis. Magnifications provide greater precision and vision parallel to the small field of work reduces eye fatigue.

### INCLINABLE BINOCULAR

Wide tilt range from 0° to 240° for greater ergonomics.

### WIDEFIELD EYEPIECES

With independent dioptric adjustment (+/-5) for each eye.

Standard: 10x. Optional: 12.5x and 16x.



# MICROSCOPE **OP-DENT 5**

## **MAGNIFICATIONS**

Wide range of magnifications: from 2x to 34x.

## **MICROMETRIC FOCUS**

It allows you to focus with accuracy and sharpness the work area.

## **OBJECTIVES**

Standard: 250mm.

Optional: 200mm, 300mm and 400mm.

## **VARIFOCAI OBJECTIVE (optional)**

f= 200mm to 400mm

It allows to vary the focused field of work without the need to move the head in relation to the patient.

"PERFECT VISION FOR YOUR EYES  
MAGNIFIES THE PRECISION OF YOUR HANDS"

**OPTOMIC**

# ILLUMINATION SYSTEM

## TECHNOLOGY BROUGHT TO LIGHT

The light source allows clear visibility and focused illumination in areas that would otherwise be difficult to see, making the access easier. Coaxial illumination, parallel to the line of sight, frees the desired area from shadows and keeps the periphery dark, focusing attention on the truly relevant information.



### FIBROLUX LED HP

- Intensity control, adjustment and filters.
- Filter: amber (incorporated).
- More than 60,000 hours of work.
- Optional hand control.

“LIGHT THAT CALMS THE SIGHT”



# VIDEOMICROSCOPY SYSTEM

## HIGH RESOLUTION AT YOUR FINGERTIPS

OPTOMIC offers a complete range of beam splitters for capturing images and videos, documenting interventions for further analysis and technical training.

- Time optimization: Allows the assistant to intervene quickly in the moments when their help is needed.
- Better communication with the patient: informs and involves the patient in your treatment plan. Recording of audiovisual material for sharing on professional platforms and other networks.

### OP-TV 10HD BEAM SPLITTER (optional)

- Full HD resolution (1080p).
- Control buttons with watertight keys: White Balance, area selection for light control and Standby.



### MONITOR SUPPORT (optional)

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# ERGONOMICS

The OP DENT5 guarantees an ergonomic and relaxed posture in long-term procedures, adjusting to the optimal viewing angle and reducing muscle strain.

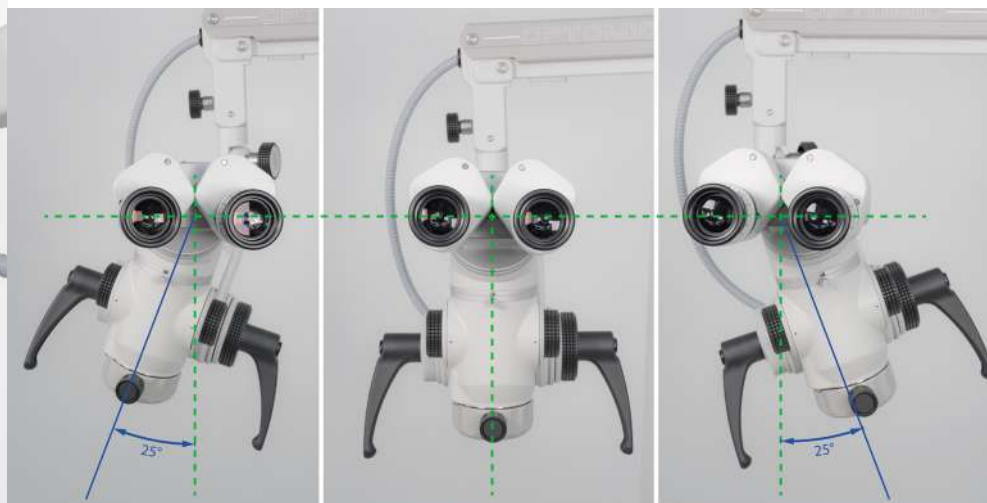


“COMFORT IS MORE THAN A FEELING”



## 45° ROTATING EXTENSION (optional)

Designed to adapt to any procedure, the OP-DENT 5 offers an extension to tilt the head 25° sideways, without changing the binocular's position.





## APPLICATIONS

### ■ Endodontics: More conservative procedures

- Clear visualization and without shadows to the apex. Recognition of the color and texture of dentin.
- Detection of omitted ducts: prevents repetition of procedures.
- It favors the use of bevels with lower angulation and the preservation of more cortical bone and root structure.

### ■ Implantology: Precision and safety

- Indirect visualization of sinus membrane for sinus elevation.
- Greater precision from implant placement to recovery and in peri-implantitis treatment.

### ■ Periodontics: Reduction of trauma

- Closer wound placement: reduction of morbidity, trauma and hemorrhage.
- Greater percentage of root cover and more precise division of flaps: greater aesthetic satisfaction of the patient.

### ■ Restoration: Accurate detection and intervention

- Rapid detection of cracks, fractures, microfractures and proximal caries. Prevents damage to adjacent teeth.
- Composites: detection of bubbles, checking of fluidity and extraction of excess.
- Simplification of polishing and minimally invasive





## GENERAL FEATURES

HEAD	Stereoscopic with micrometric focusing.
BINOCULAR	0° to 240° inclinable binocular.
EYEPIECES	10x widefield eyepieces. Optional: 12,5x and 16x widefield.
	Adjustable interpupillary distance: from 55 to 72mm.
	Dioptic adjustment of +/- 5 diopters.
OBJECTIVE	f=250mm objective. Optional: f=200mm, 300mm or 400mm.
	Varifocal objective (from f=200mm to 400mm).
MAGNIFICATION CHANGER	5-steps Galilean magnification changer (0,4x, 0,6x, 1x, 1,6x and 2,5x).
EFFECTIVE MAGNIFICATIONS	Changer permitting magnifications from 2x up to 34x, depending on the chosen combination.
LIGHT SYSTEM	Coaxial through lens with LED light source.
LIGHT CONDUCTION	Fiber optic cable.
MOVEMENT SYSTEM	Movements by means of angular and conical bearings and Teflon discs.
	Hardness and blocking adjustments. Soft Move system.
ARM	Two-segment arm that sets the desired height.
MOUNTING OPTIONS	Mounting with 5 wheels with independent brakes.
	Floor, wall, wall with extension or ceiling mount.
NET WEIGHT (body)	20,5 Kg.
OPTIONAL ACCESSORIES	45° rotating extension.
	Beam splitters and video systems.
	Monitor support.
	Digitally Soft HD software.

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Specifications are subject to change without prior notice

