

Kaps Dental-Microscopes

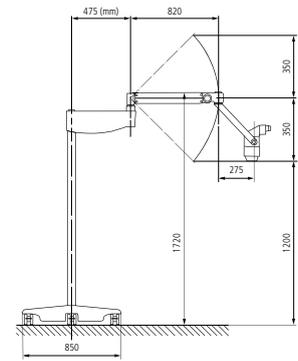
Look, Touch, Move



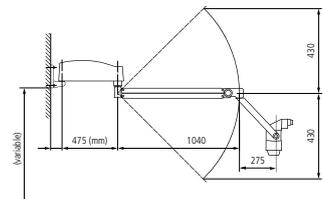
Technical Information

You'll find what you need

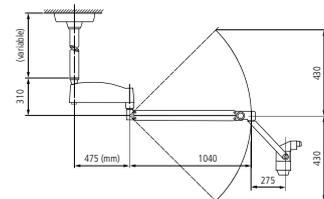
Magnification	5-Step Manual Changer 1:6 Manual Zoom 1:6 Motorized Zoom
Magnification Range	1.5x – 40.0x available (dependent upon objectives and eyepieces)
Field of View	120 mm – 7 mm (dependent upon objectives and eyepieces)
Illumination	Integrated 15 V/150 W halogen fiberoptic Optional: <ul style="list-style-type: none"> • Integrated LED • MH50 metal halide • Xenon Integrated variable illumination spot size Orange Filter
Objective Lens Types	Fixed focal length fine focus lenses 100 mm – 400 mm offered in 50 mm increments Vario objective variable $f = 200 \text{ mm} - 400 \text{ mm}$
Eyepieces	10x; 12,5x; 16x; 20x
Beam Splitters	<ul style="list-style-type: none"> • Dual or single output 50/50 • Dual or single output 80/20 • Lateral Rotation Device with built-in beam splitter • Beam splitter with integrated video camera
Co-observation Tubes	Binocular and mono available, Stereo face-to-face system
Video/Photo	1 CCD Cameras DSLR Cameras (Canon or Nikon)



Floor Stand



Wall Mount



Ceiling Mount

Kaps Dental-Microscopes ...

Karl Kaps merges over 60 years of experience and expertise with the most advanced computer technology to create every microscope system which bears our name. The dedicated Kaps staff of engineers clearly understand that a superior dental microscope is an optical, mechanical and sensory extension of a skilled dentist. The mission is to create microscopes that accomplish this fact.

The distinctive Kaps dental-microscope systems are fully customizable to meet the dentists individual needs. For example, the more basic system is designed to be upgraded to many of the more advanced features that are standard on other Kaps dental-microscope systems.

The Kaps wide range of optical accessories allows for system configurations to suit virtually all microdentistry requirements. Our components integrate video, still cameras, coobservation and variability of positioning for all applications.

Balancing system

This coupling offers ultra-smooth, fluid and perfect balance during repositioning of the microscope.

Free Motion magnetic locking clutches

By pushing a button the microscope will float weightlessly and can be locked in any desired working position.

Manual and motorized zoom

The magnification is continuously adjustable. From overview to details.

Vario objective lens

Without moving the microscope or changing the working position the area of treatment stays in focus.

LED inside

This innovative illumination module provides a homogenous illuminated field of view with excellent color rendition and high contrast. It can be combined with any Kaps dental-microscope system.

Upgrade from basic to master

Our design philosophy allows us to upgrade the features of any Kaps dental-microscope system to one of an even higher standard. Right in your office.

Kaps 1100



Characterized by the unique Balancing system and even more distinctive features:

- 5-step apochromatic magnification changer
- Inclined binocular tube with 12.5 x widefield eyepieces
- Objective with fine focusing (working distance 250 mm, focusing range 12 mm)
- Balancing coupling
- Handgrips
- Integrated 15 V/150 W halogen illumination
- Optional integrated LED illumination
- Orange filter

Kaps 1200



Weightlessly floating with Magnetic clutches this microscope includes all the other remarkable features of the series:

- 5-step apochromatic magnification changer
- Inclined binocular tube with 12.5 x widefield eyepieces
- Objective with fine focusing (working distance 250 mm, focusing range 12 mm)
- Handgrips with „single hand“ motion control
- Free Motion balancing coupling with magnetic clutches
- Integrated 15 V/150 W halogen illumination
- Optional integrated LED illumination
- Orange filter

Kaps 1300



Together with the Manual Zoom for continuously adjustable magnification this distinctive system also shows:

- Manual zoom 1:6
- Inclined binocular tube with 12.5 x widefield eyepieces
- Objective with fine focusing (working distance 250 mm, focusing range 12 mm)
- Handgrips with „single hand“ motion control
- Free Motion balancing coupling with magnetic clutches
- Integrated 15 V/150 W halogen illumination
- Optional integrated LED illumination
- Orange filter

... Look, Touch, Move

You'll know the secret!

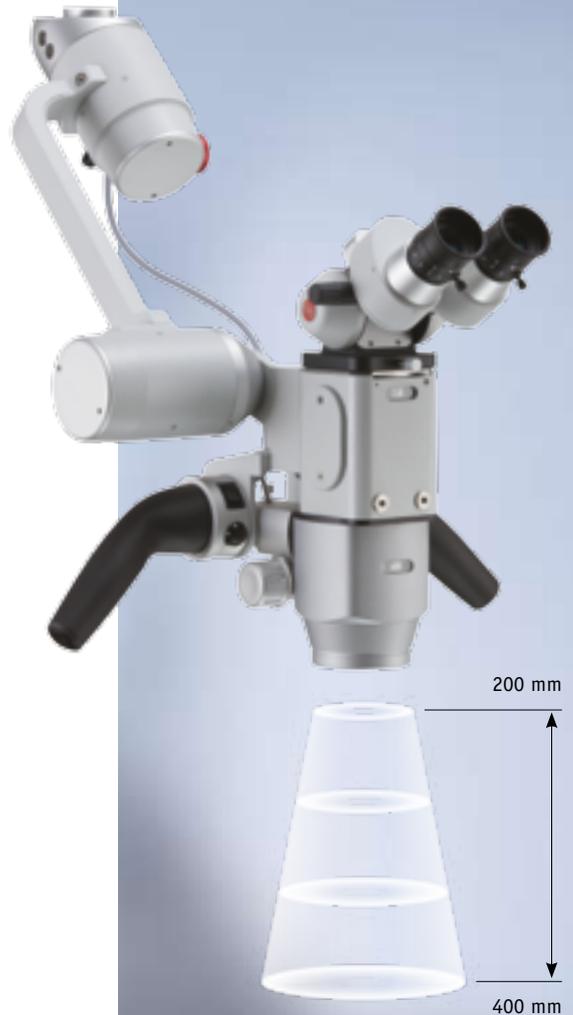
Kaps 1400



The highlight of the series introduces the Motorized Zoom:

- Motorized zoom 1:6
- Inclined binocular tube with 12.5 x widefield eyepieces
- Objective with fine focusing (working distance 250 mm, focusing range 12 mm)
- Handgrips with „single hand“ motion control
- Free Motion balancing coupling with magnetic clutches
- Integrated 15 V / 150 W halogen illumination
- Optional integrated LED illumination
- Orange filter

Kaps Module 50



Additional module 50, convenient with all Kaps dental-microscopes

Free adjustable working distance from 200 up to 400 mm, combined with high performance illuminations units

- Vario objective lens $f = 200 - 400$ mm (available in manual and motorized version)
- Only available in combination with following additional illumination systems:
 - Integrated LED
 - Metal-Halogen (integrated or external)
 - 180 W external Xenon light

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