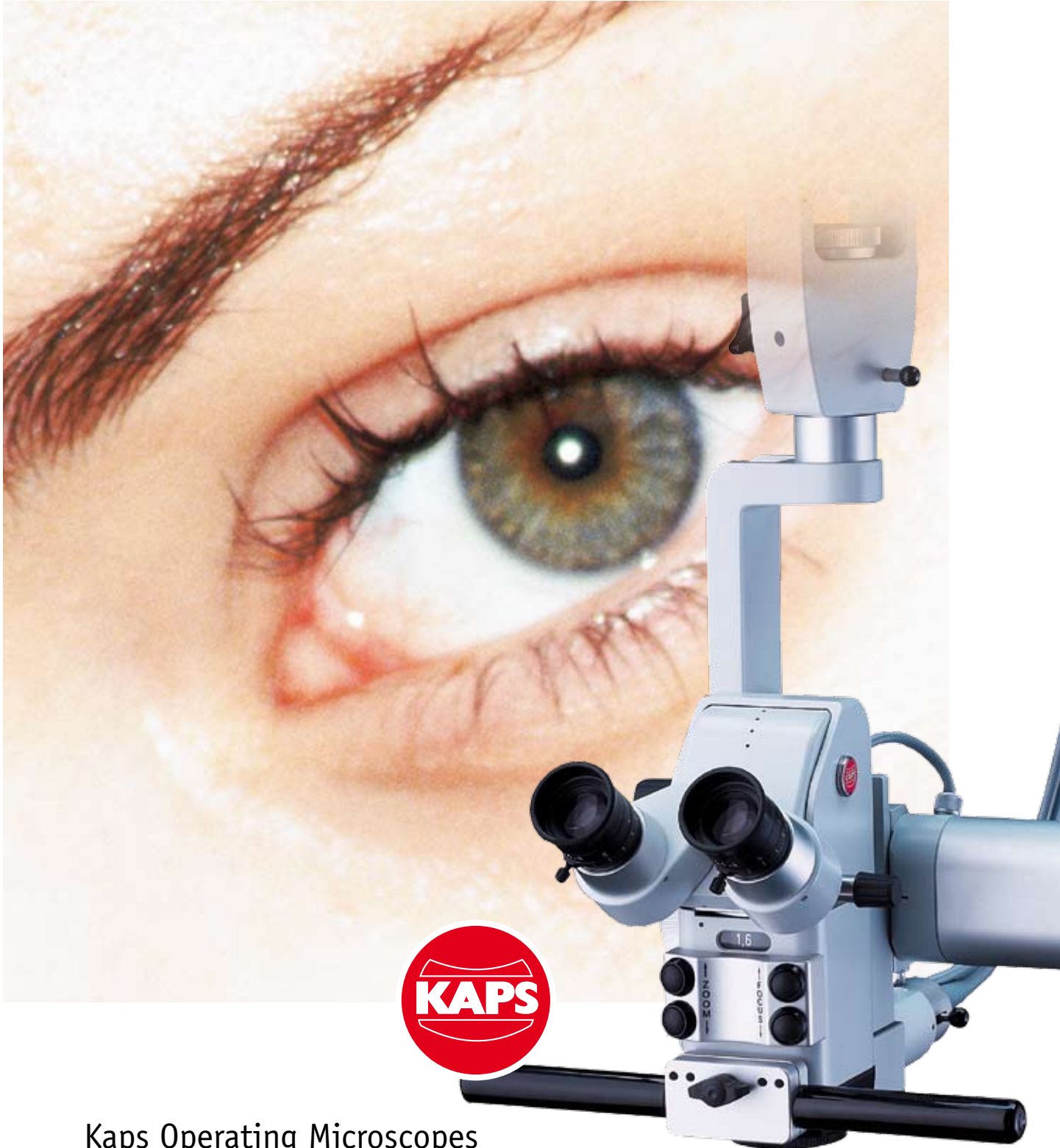




Kaps Operating Microscopes

The ideal Instruments for General Surgery



Kaps Operating Microscopes
We are looking into details

SOM[®] 62 for General Surgery

The SOM[®] 62 operating microscope is a multidisciplinary applicable fully motorized microscope for ophthalmology, ENT- and neuro-surgery and is suitable for every kind of eye surgeries. Thus it is the perfect choice for smaller OR rooms or laser centres.

Kaps operating microscopes combines easy and exact positioning, outstanding illumination with a bright high contrast red reflex as well as a optical quality.



Full motorized functions

The compact size enables a short working distance for the surgeon to the operating field and is user friendly as well immediately ready to work. An additional advantage delivers the 0-210° binocular swivel tube, beyond that all control elements are easy to reach.

The apochromatic 1:6 zoom system provides a crisp and crystal clear image with high transmission and natural colours and offers in combination with the motorized fine focus high user comfort.

The multifunction control unit permits the surgeon to control almost all of the functions such as zoom, focus and XY without having to remove their hands from the operative field. All adjustments are done within seconds by simple knobs.

Small suspension systems

Owing to the compact design, the mobile stand with its large castors and brakes could be easily moved from one room to the other. For OR rooms with smaller space there is ceiling mounting version with a high action radius available.

Free Motion magnetic brake system

In a world-wide exclusive, Karl Kaps presents the first and only surgical microscope with a **Free Motion** magnetic brake system combined with manual functional elements. The new Kaps SOM microscope series with manual 1:6 zoom and manual fine focussing is fast, simple to use and very comfortable for the user. The new free motion magnetic system with balancing makes the microscope optics easy to position, allowing the user to work faster and to achieve reliable results.

A single push of a button on the microscope body activates two magnetic clutches, allowing the user to easily guide the microscope optics into the desired position. This single-handed movement via the ergonomic handle is

effortless, even when the microscope is fitted with accessories such as a secondary observation system or digital camera. The Kaps SOM series is perfectly balanced – In performance as well as price.



*Free Motion Magnetic
Brake System*

Easy surgery

Place your microscope head in its standby position and the illumination is automatically switched off. Bring the system into its using position again and the light comes back on again. This saves you time and reduces your consumption of halogen bulbs.

Documentation

For the documentation or assistance are different binocular observation systems available. When no accessories required, the integrated video camera "vision" provides effective patient information and documentation. In combination you can attach directly onto the column of the microscope a TFT monitor.

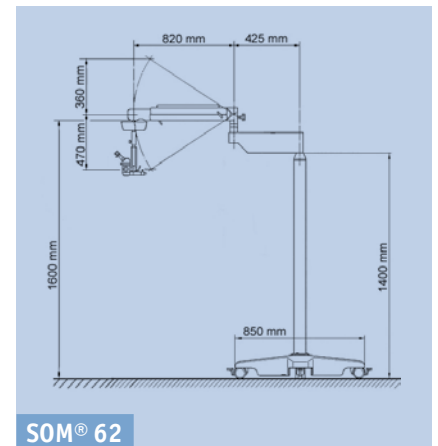
Sterilization

Drapes sterilization caps on all important knobs keeps the controls clean. High mechanical and optical quality provides you with a microscope which its unique in its price performance ratio.



Technical Details

Illumination	Coaxial cold light illumination 15 Volt / 150 Watt with stand by spare lamp, retina protection filter GG 475, filter against IR and UV damage	
Working distance/ Objectives	Objective f = 250 mm, on choice f = 300 mm, APO f = 400 mm	
Binocular tubes/ Eyepieces	<i>Basic:</i> Wide angle binocular tube 60° with oculars for spectacle wearers WF 12,5x, <i>alternative like Advanced</i>	<i>Advanced:</i> Binocular swivel tube f = 182mm 0-210° Wide angle oculars for spectacle wearers WF 10x with dioptre adjustment
Magnification f = 200 mm	<i>Basic:</i> Apochromatic magnification changer 5-fold (4,0 – 24,8 x), <i>alternative like Advanced</i>	<i>Advanced:</i> Apochromatic Zoom 1:6 fold (3,7 – 22,8 x)



SOM® 62

Accessories

Integrated video system (Vision)	CCD color video camera, Y/C (S-VHS), FBAS (Composite), 752 (H) x 582 (V)
Photo/Video-Documentation	Beam splitter one sided or double sided, TV-Tube for connection to C-Mount cameras, C-mount digital camera, adaption for digital cameras with T2 adaptor, Medi-Capture M-USB 100 Image Box
Second observer Attachments	Binocular assistant tube 90°
Slit Lamp (Advanced only)	Manual slit lamp (cold light) f = 200 mm, on choice f = 175 mm

Special Features

Mobile base with possible mount of TFT monitors	Interchangeable objectives and oculars
Ergonomic and time saving handling	Integrated video system "vision" (<i>Advanced only</i>)
Swing in retina protection filter GG 475	Red reflex enhancer
Built in diaphragm to increase depth of focus	Extensive range of accessories for documentation
Adaption for BIOM from Oculus	Second observer attachment
Microscope head adjustment device	



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