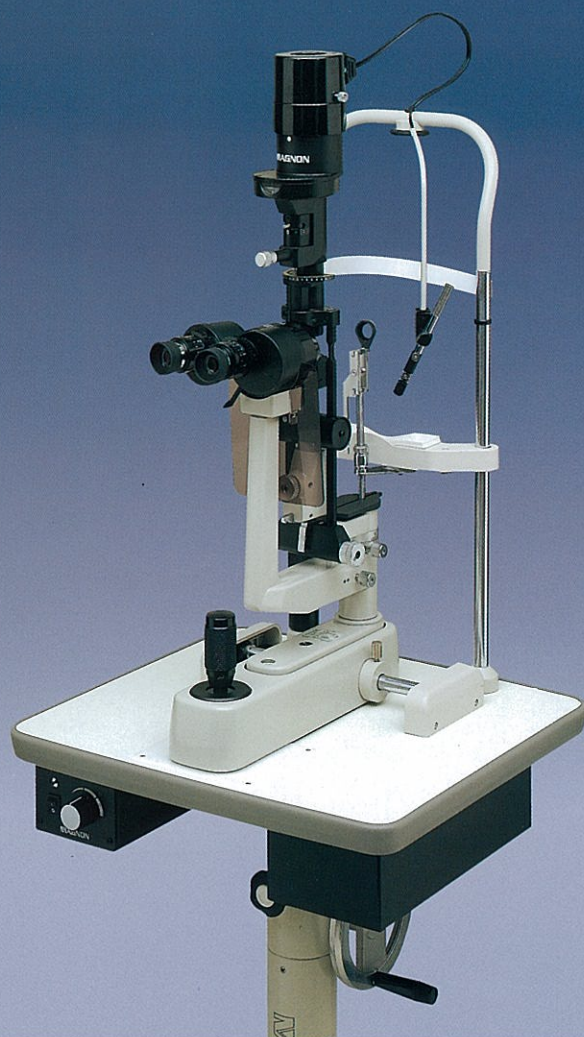


SL-250 / 450

Slit lamps

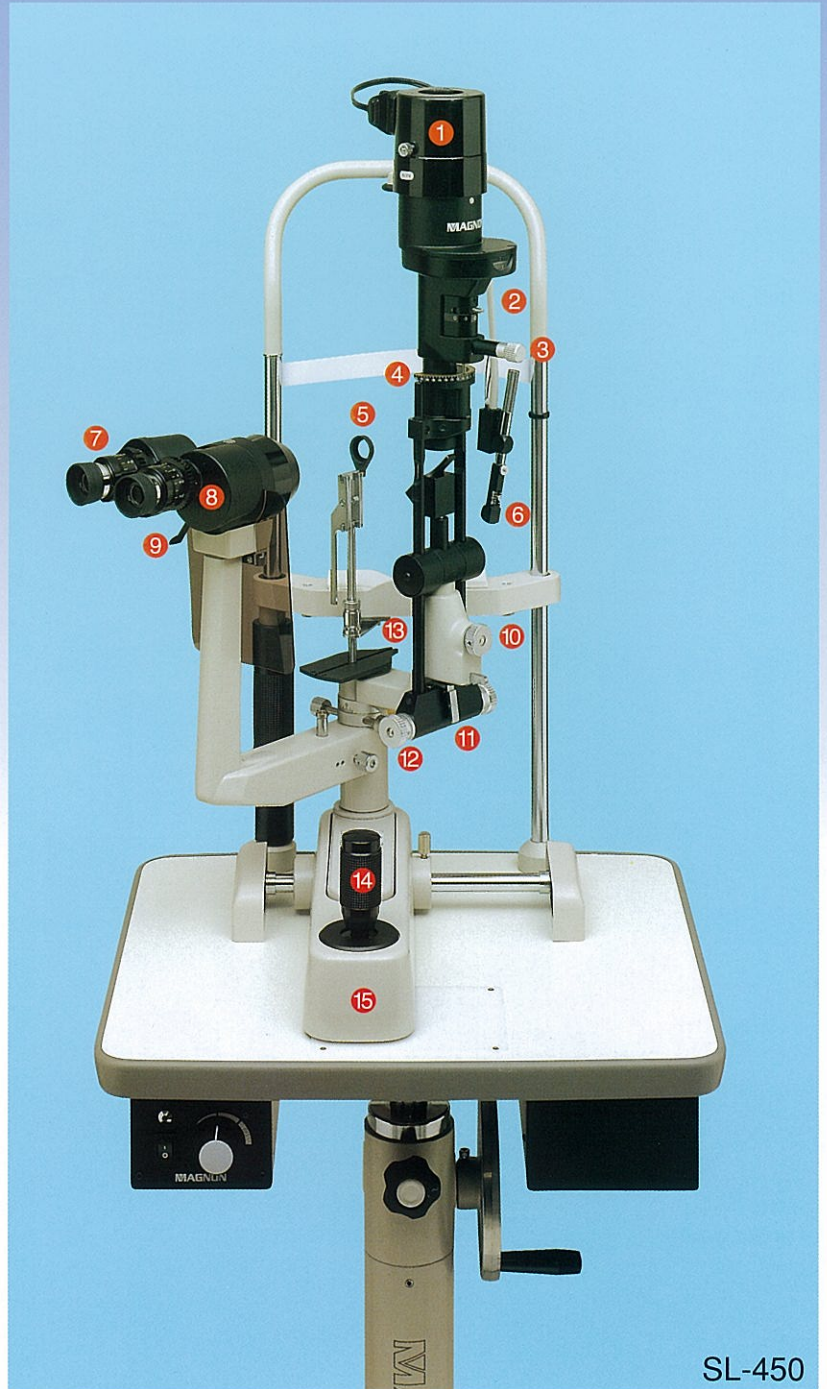


MAGNON

SUPERB OPTICAL DESIGN, BRILLIANT ILLUMINATION AND EASY OPERATION

DESCRIPTION OF PARTS

- 1** Lamp house
- 2** Filter lever
- 3** Slit rotation and length adjustment knob (SL-450)
- 4** Axis scale
- 5** Hruby lens (SL-450)
- 6** Focusing fixation light (SL-450)
- 7** Eyepiece
- 8** Convergent stereoscopic microscope
- 9** Magnification changing lever
- 10** Centering knob
- 11** Slit inclination adjustment (SL-450)
- 12** Slit width control knob
- 13** Guide plate (SL-450)
- 14** Three-way joystick
- 15** Cross-slide base



SL-450

Illumination

The 6V 27W tungsten lamp has four intensity settings: 4, 5, 6 and 7.5V. The bulb is easy to replace and requires no centering adjustment.

Continuously adjustable slit length (SL-450)

Slit length is continuously adjustable from 1 to 8mm. Rotation of the lever gives six aperture changes: \varnothing 0.2, 1, 2, 3, 5 and 8mm.

Axis scale

The axis scale simplifies the fitting of astigmatic contact lens.



Fixation light

A focusing fixation light is adjustable from -10 to +10 diopters (SL-450), plus a fixed fiberoptic spot fixation light (SL-250), are supplied.

Convergent biomicroscope

The convergent biomicroscope provides exceptional stereoscopic examinations. The magnification changing lever switches objective lens magnification from 1X to 1.6X: 10X and 16X with the 10X eyepieces: 16X and 25.6X with the 16X eyepieces.

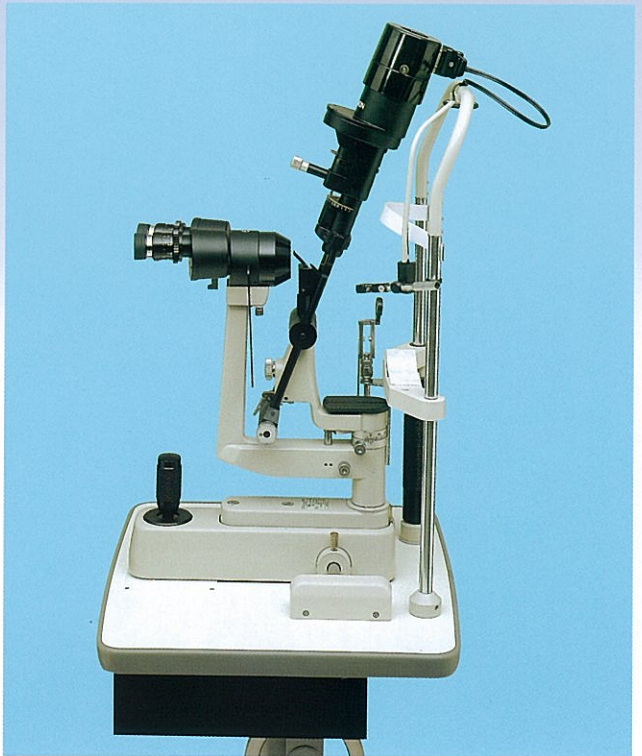
Omni-directional joystick

It controls the height adjustment as well as the movement of the cross-slide base for alignment with the patient's eyes.



Slit inclination (SL-450)

The illumination unit tilts up to 20° while being particularly useful in gonioscopy and funduscopy.



SPECIFICATIONS

MICROSCOPE

Type	Stereoscopic with converging optics (13°)			
Magnification changer	Revolver type objective changing system			
Objective	1X and 1.6X			
Eyepiece	10X and 16X			
Magnification & field of view	Objective x Eyepiece = Magnification—Field of view			
	1X	10X	10X	ø18 mm
	1.6X	10X	16X	ø14.5 mm
	1X	16X	16X	ø11.25 mm
	1.6X	16X	25.6X	ø9 mm
Interpupillary distance adjustment	55 ~ 94 mm (10X eyepiece) 53 ~ 92 mm (16X eyepiece)			

SLIT ILLUMINATION

Slit projection	2/3X
Slit width	0 ~ 8 mm (continuously variable)
Slit length	0.2, 1, 2, 3, 5 and 8 mm (variable)—SL-250 0.2, 1, 2, 3, 5 and 8 mm (variable)—SL-450 1 ~ 8 mm (continuously variable)—SL-450
Aperture diameters	ø 0.2, 1, 2, 3, 5 and 8 mm
Slit rotation	±90°
Slit horizontal scanning	±3.5° (±5 mm)
Slit inclination	0 ~ 20° (5° step)—SL-450
Filters	Blue, red-free, 13% neutral density and heat absorbing
Lamp	6V 27W (precentered tungsten)

BASE

Forward movement	80 mm
Lateral movement	100 mm
Joystick fine adjustment	10 mm
Vertical movement	30 mm

HEADREST

Chin rest movement	50 mm
Fixation lamp	6V 1W (tungsten)
Focusing fixation lamp	±10D, 6V 1W (tungsten)—SL-450

POWER

Input	AC 100 ~ 120 or 220 ~ 240V
Output	4, 5, 6 and 7.5V
Power consumption	40VA

Dimensions	670 (H) X 450 (W) X 410 (D) mm
Weight	21 kg—SL-250, 22 kg—SL-450
Finish	White grey
Accessories	1 each of spot (SL-250) and focusing fixation lamp (SL-450), focusing rod, cap, breath shield, Hruby lens with carrier and guide plate (SL-450), dust cover, short mirror (SL-450), spare mirror, chin rest tissues pad, 2 each spare of illumination lamps, fixation lamps, 3 spare fuses, and a tool set.
Optional accessories	Hruby lens with carrier and guide plate (SL-250), focusing fixation lamp (SL-250), eyepiece with millimeter or millimeter/axis scale and Halogen lamp with its holder
Remarks	Goldmann applanation tonometer (R900 or T900) can be mounted on guide plate.

Specifications and design are subject to change for improvement without notice.

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