

# Magnus

MAGNUS offers a wide range of microscopy solutions for Laboratory of science and medicine students.



## Magnus Education Microscopes



MagMaster



MagStar



MagStereo



# MagMaster

HM/SM 100

All metal rugged Stand with individual Coarse & Fine Focus drive with focus stop, Maintenance Free ECO LED illumination including Battery backup with regulating intensity control for 220V/50Hz, Achromatic Condenser 0.65/0.90NA with aperture iris diaphragm, stage plate with clips or two plate mechanical stage, Quadruple revolving nosepiece, Achromatic objectives 4x, 10x, 40x(Spring) and 100x(Spring) for SM 100, 360° rotatable 45° inclined Monocular head with Widefield Eyepiece 10x/18 lockable, anti-mould optics for fungus protection.



# MagStar

EM 200/210

All metal rugged Stand with Coaxial Coarse & Fine Focus drive with focus stop, Fixed Koehler 6V 20W halogen/LED illumination with regulating intensity control for 220V/50Hz, movable Condenser drive, Abbe Condenser 0.9/1.25 NA with aperture iris diaphragm, Double layer Mechanical stage 132 mm X 140 mm with Coaxial X/Y drive including double slide holder, Paracentric Quadruple precision ball bearing nosepiece, Semi-Plan (SP) Achromatic objectives 4x, 10x, 40x (spring) & 100x (spring, oil immersion), 360° rotatable 45° inclined Monocular head with Widefield Eyepiece 10x/18 lockable, anti-mould optics for fungus protection.



# Specification

Model			MagMaster		MagStar	
Parts	Function / Feature	Specification	HM100	SM100	EM200	EM210
Stand	Metal Base and Arm	built-in halogen/LED illumination	×	×	×	×
Focus drive	Seperate coarse and fine focus knobs	Knurled hand grip.	×	×		
	Co-axial coarse and fine focus knobs	Graduated with Vernier reading			×	×
	Focus stop	Adjustable	×	×	×	×
	focus drive tension adjustment	Adjustable			×	×
Nose piece	Quadruple (4x)	precision click stops and rubber grip	×	×	×	×
Specimen Stage	stage Plate	110mmX120mm	×			
	Double plate Mechanical Stage with co-axial X-Y drive knobs	115 X 125mm		×		
		132 X 148mm			×	×
Specimen holder	Stage Clips	2x spring loaded clips	×			
	Single slide holder	30mm x 75mm scan area		×		
	Double Slide holder	50mm x 75 mm scan area			×	×
Condenser	NA 0.65 / 0.90	With disc diaphragm	×			
	Achromatic, Abbe NA1.25	with iris diaphragm			×	×
	rack and pinion drive for condenser	focusable drive			×	×
Built-in Illumination	LED	Built-in Battery backup & Charger	×	×		×
	Halogen 20W	Easy change lamp holder			×	
Power Supply	CE compliant, 90- 220 V, 50Hz with 3 pin plug	External power supply module for easy exchange/replacement	×	×	×	×
Tubes (360°C, Rotatable)	45 Deg. Monocular head	Safe locking screw	×	×	×	×
Achromat/Spachromat Objectives	4X/0.10		×	×	×	×
	10X/0.25		×	×	×	×
	40X/0.65	Spring	×	×	×	×
	100X/1.25(oil)	Spring	*	×	×	×
Eye-piece	WF 10X18mm		×	×	×	×
Dust Cover			×	×	×	×
Optional Accessories	Filters	Blue			×	
	Eye piece with pointer	10x18mm	*	*	*	*
	Eye piece with reticule	10x18mm	*	*	*	*
	Wooden Case		*	*	*	*
	45Deg. Binocular head	Safe locking screw, IPD adjustment	-	-	*	*
	30 Deg. Binocular head	Safe locking screw, IPD adjustment	-	-	*	*
	20X/0.45		*	*	*	*
	60X/0.85	Spring	*	*	*	*
	WF 15X13mm		*	*	*	*
	WF 20X 10mm		*	*	*	*

× :Standard supply

\* :Optional

Blank :On request

- :Not available

# MagStereo

FM 24

Dual Step Stereo Microscope with pillar stand for adjustable focusable working distance including transmitted & reflected light illumination, 95 mm glass plate, Black & White stage plate with clips, 360° rotatable Rack & pinion focus drive, dual step turret objective of 2x (81 mm) / 4x (58 mm) for magnification of 20x or 40x with paired widefield eyepiece 10x/ 20 mm, Microscope body with built in 45° binocular tube with IPD of 55-75 mm, +/- 5 mm adjustable diopter.



## Specification

Technical Feature	MagStereo
	FM 24
Optical design	Greenough
Stereo Optical system	Par focal
Magnification Changer	fixed 2x & 4x
Eyepieces	10X/20mm
	15X/13mm
	20X/10mm
Dioptre correction	± 5
Binocular tube	Integrated
interpapillary Distance	55mm-75mm
Binocular observation	45deg
Working Distance	81/58mm
Magnification Range	20X & 40X
Stand	Pillar Stand
Focus Drive	Individual adjustable movement 60mm travel
Grip	Integrated
Illumination System	Long lasting LED
Incident and Transmitted light	Yes, as a standard

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