

MS Series

Fixed Magnification Stereo System

Version 1.0



MS Series

Laxco stereo zoom microscopes are among the most common instruments found for general laboratory use. They combine excellent stereoscopic zoom capabilities, with small-footprint stands, and built-in illumination from above and below the sample. These traditional optical stereo microscopes are research-grade, with top level performance, and a wide choice of zoom magnification ranges.

Each unit goes through extensive quality control checks to verify critical optical performance in parfocality, parcentricity, optical alignment and optical flatness of field of view. Mechanical and electrical performances are checked to ensure optimal performance at every point, which makes Laxco's stereo zoom microscopes the best in its class.

The MS Series utilizes a fixed magnification optical system, which makes switching between magnification quick and easy. Its all metal construction gives the stand the ruggedness, while its precision optics, deliver crisp clear images. Independently controlled, dual halogen illumination shines homogenized light from above and below the sample, and the oversized dual focus knobs allows for both left and right hand operation.



MS-102



MS-103



MS-204

BIOLOGY Applications

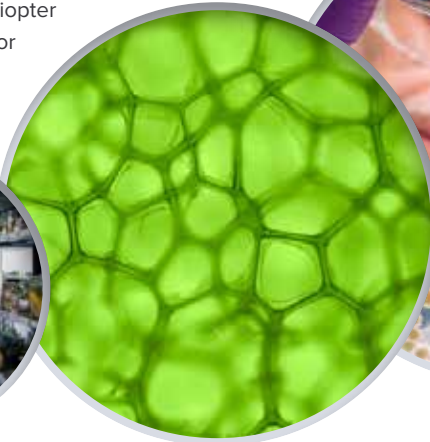
BINOCULAR OPTICS

Two clearly neural knobs on either side of the optical head allow the user to easily switch between a pair of fixed magnifications. Multiple combinations of magnification available to include 10/20x, 10/30x, 20/40x, 15/30x, 15/45x, 30/60x, 10/60x, and 40/80x.

Dual, side-mounted knobs clearly mark the magnification value and allow the user to quickly identify what magnification they are on. Highly polished lenses create a smooth flat field of view with crisp, shape resolution. Parfocality is maintained when switching between high and low magnifications to prevent constant searching and refocusing of sample.

EYEPIECES

10x super-widefield eyepieces with interpupillary and diopter adjustments to correct for user-specific eyesight.



Biology

Key Features

- Choose between multiple combinations of magnifications*
- Dual diopter adjustments accommodates different eye focal length
- Parfocality maintained between magnification
- Clearly marked neural knobs for magnification

** Changing eyepiece to 15x or 20x is require*



Designed for a Wide Range of Applications



STAND

Small foot print and rugged design allows this stand to be used anywhere. Oversized dual focus knobs, with slip clutch prevents damage to gearing due to accidental overturning, and easily switch between left and right hand operation.

- Rugged, all metal construction
- Large, contoured stage
- Left and right hand operation
- Slip clutch prevents damage to the focusing mechanism
- Locked-in stage clips

LIGHT SOURCE

Built-in, independently controlled, dual halogen illumination shines homogenized light from above and below onto the sample. Each light source intensity and operation can be individual controlled, giving the user maximum flexibility. Upper Halogen light angle can be adjusted to allow illumination to illuminate a particular area of the sample.

- 20 watt halogen lower illumination
- 15 watt halogen, with reflector for upper illumination
- Individually control light sources

Specifications



Part Number	MS-102
Head Type	Binocular
Zoom Range	10x and 20x
Field of View (FOV)	20mm and 10mm
Working Distance (WD)	110mm



Part Number	MS-103
Head Type	Binocular
Zoom Range	10x and 30x
Field of View (FOV)	20mm and 6.6mm
Working Distance (WD)	110mm



Part Number	MS-204
Head Type	Binocular
Zoom Range	20x and 40x
Field of View (FOV)	10mm and 5mm
Working Distance (WD)	110mm

Accessories

Part Number	Description
MP-EP10X-MS	10x wide FOV eyepiece <i>(binoc/trinoc models only)</i>
MP-EP15-MS	15x wide FOV eyepiece <i>(binoc/trinoc models only)</i>
MP-EP20-MS	20x wide FOV eyepiece <i>(binoc/trinoc models only)</i>
MP-LG4-6V20	Replacement, lower, 6V, 20W halogen bulb
MP-MR11-6V15W	Replacement, upper, 6V, 15W reflective halogen bulb
MP-POL-2	Polarization kit for MS series
MA-DF100	Darkfield kit for MS series

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