Zoom Stereo Microscope - Binocular Stereoscopic Microscope - 6X-50X, 95 mm Working Distance

Model **MSMSC-ST830SWISS** | Brand **Master Science**





The Master Science Zoom Stereo Microscope is a continuous-zoom stereo instrument covering 6X to 50X with a zoom ratio of 1:8.3. It gives an upright, three-dimensional image with sharp edges across the field, and works well even on objects against a bright background.

KEY HIGHLIGHTS

- Wide zoom range
- Space for tools and samples
- Comfort with glasses
- Light from above and below
- Expandable

Request a Quotation
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Overview

The Master Science Zoom Stereo Microscope has a modular build, so photography, video and coaxial lighting units can be added in the optical path, and a digital camera can be connected for on-site shooting. It is used in medicine and health care, agriculture, forestry, geology, precision electronics and machinery.

> For high-magnification work on prepared slides, see the Master Science trinocular biological microscope.

Key Benefits

Wide zoom range
: the Master Science Zoom Stereo Microscope goes from 6X to 50X without changing lenses.

Space for tools and samples
: 95 mm working distance.

Comfort with glasses
: high eye point WF10X/22 mm eyepieces.

Light from above and below
: halogen top light and fluorescent base light.

Expandable
: modular design accepts camera and lighting accessories.

Technical Specifications

GENERAL	
General	Specifications of the Master Science Zoom Stereo Microscope are given below.
Brand	Master Science
Model Number	MSMSC-ST830SWISS
SKU	MSMSC-ST830SWISS
Magnification	Zoom 6X-50X
Observation Tube	Tilting binocular, 360° rotatable, lockable in any position
Interpupillary Distance	48-75 mm
Diopter Adjustment	±5 diopters
Viewing Head	Siedentopf head, inclined at 45°
Eyepiece	WF10X/22 mm, high eye point, wide field; convenient for spectacle wearers
Objective	0.6X-5X stereo zoom; zoom ratio 1:8.3
Focusing	Focusing track mount, vertical working range 104 mm
Working Distance	95 mm
Illumination	Upper light source: halogen lamp; lower light source: 5 W fluorescent lamp
C-Mount	Trinocular port attachment; 1X C-mount; 0.5X and 0.3X C-mount (optional)

COMMON PROBLEMS THIS MICROSCOPE SOLVES	
Common Problems This Microscope Solves	Inspection and dissection under magnification have their own difficulties.
Not enough room to work under the lens	: 95 mm of clear working distance.
Flat-looking images hide surface relief	: stereo optics give real depth.
Opaque and translucent samples need different light	: top and bottom illumination are both provided.
Spectacle wearers lose part of the field	: high eye point eyepieces show the whole view.

The Master Science Zoom Stereo Microscope is widely used in

- **Medicine and health care**
- **Agriculture, forestry and geology**
- **Precision electronics**
- **Machinery and other industries**

Optics

- Continuous zoom stereo microscope with a zoom ratio of 1:8.3
- Non-coaxial imaging improves edge clarity and gives a strong three-dimensional effect
- Clear results when observing objects on a bright background

Design

- Modular structure: photography, video and coaxial lighting can be added to the optical path
- Supports a series of accessories and connection of a digital camera for on-site shooting
- Large working platform, comfortable and convenient to operate, reliable in use

Optional Accessories

- 0.5X C-mount
- 0.3X C-mount