Stereo Dissecting Microscope - Binocular Zoom Stereo Microscope - 7X-45X, 6.4:1 Zoom Ratio

Model **MSMSC-ST45SWISS** | Brand **Master Science**







The Master Science Stereo Dissecting Microscope gives a continuous zoom from 7X to 45X through a 0.7X-4.5X stereo objective with a 6.4:1 zoom ratio. With optional eyepieces and auxiliary lenses the range extends from 3.5X to 270X.

KEY HIGHLIGHTS

- One lens, many magnifications
- Bright, clear view
- Light for every sample
- Easy on the eyes
- Room to extend

Request a Quotation
Contact us for pricing, configuration options and delivery details.

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Overview

LED lighting from above and below lets the Master Science Stereo Dissecting Microscope handle both opaque and transparent specimens. The binocular head is inclined at 45°, and the high eye point WF10X/20 mm eyepieces are comfortable for users who wear glasses.

Key Benefits

One lens, many magnifications
: the Master Science Stereo Dissecting Microscope zooms from 7X to 45X.

Bright, clear view
: optical coating with at least 95% transmittance.

Light for every sample
: transmitted and reflected LED illumination.

Easy on the eyes
: high eye point wide-field eyepieces.

Room to extend
: optional eyepieces and 0.5X or 2X auxiliary lenses.

For a 1
8.3 zoom ratio, see the Master Science 6X-50X zoom stereo microscope.

Technical Specifications

GENERAL

General	Specifications of the Master Science Stereo Dissecting Microscope are given below.
Brand	Master Science
Model Number	MSMSC-ST45SWISS
SKU	MSMSC-ST45SWISS
Magnification	Zoom 7X-45X (3.5X-270X with optional eyepieces and auxiliary lenses)
Observation Tube	Interpupillary distance 54-76 mm; diopter adjustment ±5 diopters
Viewing Head	Binocular head, inclined at 45°
Eyepiece	WF10X/20 mm, high eye point, wide field; convenient for spectacle wearers
Optional Eyepieces	15X/15 mm, 20X/10 mm, 25X/9 mm, 30X/8 mm
Objective	0.7X-4.5X stereo zoom; zoom ratio 6.4:1
Auxiliary Lenses (optional)	0.5X, 2X
Focusing	Focusing mount with vertical working range 50 mm
Stand	Vertical post 240 mm, diameter φ32 mm; φ95 mm black/white plastic plate and Perspex plate with paired clips; base 200 x 255 x 60 mm
Illumination	Transmitted and reflected LED illumination
C-Mount	1X C-mount; 0.5X and 0.3X C-mount (optional)
Power Supply	100-240 V AC, 50/60 Hz

OPTICAL PERFORMANCE

Optics	Finite distance optical system
Optical Coating	Transmittance ≥95%

COMMON PROBLEMS THIS MICROSCOPE SOLVES

Common Problems This Microscope Solves	Low-power stereo work tends to hit the same limits.
Changing lenses to change magnification	: the zoom control covers 7X to 45X continuously.
Transparent specimens lack contrast under top light	: switch to transmitted LED light from the base.
Glasses get in the way	: high eye point eyepieces keep the full field visible.
Standard range not enough	**: optional eyepieces and auxiliary lenses reach 3.5X to 270X.**

The Master Science Stereo Dissecting Microscope is suitable for

- **Biological dissection and specimen preparation**
- **Electronics and circuit board inspection**
- **Quality control of small parts**
- **Teaching laboratories**

Optics

- Finite distance optical system
- 0.7X-4.5X stereo zoom objective, zoom ratio 6.4:1
- WF10X/20 mm high eye point, wide-field eyepieces
- Optical coating with transmittance of 95% or more

Stand and Illumination

- Binocular head inclined at 45° with ±5 diopter adjustment
- 240 mm vertical post with 50 mm focusing range
- Black/white and Perspex stage plates with paired clips
- Transmitted and reflected LED illumination

Optional Accessories

- Eyepieces 15X/15 mm, 20X/10 mm, 25X/9 mm, 30X/8 mm
- Auxiliary lenses 0.5X, 2X
- 0.5X and 0.3X C-mount