Trinocular Stereo Microscope - Zoom Dissecting Microscope with Camera Port - 7X-45X, 6.4:1 Zoom

Model **MSMSC-ST45TSWISS** | Brand **Master Science**











The Master Science Trinocular Stereo Microscope adds a third, vertical tube to a 7X-45X zoom stereo body, so a camera can record what the observer sees through the eyepieces. A 1X C-mount is included, with 0.5X and 0.3X adapters available.

KEY HIGHLIGHTS

- See and record together
- Continuous zoom
- Bright, clear view
- Light for every sample
- Digital options

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

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Overview

Its 0.7X-4.5X objective has a 6.4:1 zoom ratio, and optional eyepieces and auxiliary lenses stretch the range to 3.5X-270X. The Master Science Trinocular Stereo Microscope has both transmitted and reflected LED lighting for transparent and opaque specimens.

> For the two-eyepiece version without a camera tube, see the Master Science binocular stereo dissecting microscope.

Key Benefits

See and record together
: the Master Science Trinocular Stereo Microscope has a dedicated camera port.

Continuous zoom
: 7X to 45X without changing lenses.

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

Light for every sample
: transmitted and reflected LED illumination.

Digital options
: camera with imaging software, tablet or digital display can be added.

Technical Specifications

GENERAL

General	Specifications of the Master Science Trinocular Stereo Microscope are given below.
Brand	Master Science
Model Number	MSMSC-ST45TSWISS
SKU	MSMSC-ST45TSWISS
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	Trinocular 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	Stereo inspection becomes harder once results have to be shared or stored.
Only one person can look at a time	: a camera on the third tube puts the image on a screen.
Findings cannot be documented	: the C-mount port accepts a microscope camera.
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.

The Master Science Trinocular Stereo Microscope is suitable for

- **Biological dissection with image capture**
- **Electronics and circuit board inspection**
- **Documented quality control of small parts**
- **Teaching with a shared display**

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 Imaging

- Trinocular head inclined at 45° with ±5 diopter adjustment
- 1X C-mount for camera attachment
- 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
- Microscope camera with standard imaging software
- Win 10 pad
- Digital display