

## Binocular Microscope



The **MSCT3141CSWISS Binocular Microscope** with its technical specifications, features, and applications:

### Technical Specifications:

1. **Head:** Sliding Binocular Head, 45° inclined eyepieces.
2. **Eyepieces:** Includes widefield 10x and 25x eyepieces.
3. **Objective Lenses:** Four-hole nosepiece with infinity corrected achromatic objectives (4x, 10x, 40x, 100x).
4. **Total Magnification:** 40x, 100x, 400x, optional 1000x with 10x eyepieces.
5. **Specimen Stage:** Double-layer mechanical stage (140x140mm), moving range of 75x50mm, capable of holding two slides.
6. **Condenser:** Built-in 1.25 NA condenser with iris diaphragm.
7. **Focusing:** Coaxial coarse and fine focusing controls with graduated fine focus knob.
8. **Illumination:** 1W LED light.

**9. Size & Weight:** Dimensions of 33cmx28cmx44cm, weight of 7kg.

**Features:**

- **Precision Machining:** Advanced alignment technology for high accuracy.
- **Ergonomic Design:** Ensures comfort during operation.
- **Compact and Flexible:** Suitable for desktop and laboratory work.
- **Interpupillary Adjustment:** Adjustable distance for ease of observation (55-75mm).
- **Digital Camera Adapter:** Allows the attachment of a digital camera or eyepiece for image capturing and processing.
- **Rechargeable Battery:** Optional for outdoor use or areas with unstable power supply.
- **Multi-language Support:** Software supports several languages including English, Arabic, Chinese, French, German, Japanese, and more.
- **Compatible with Multiple Operating Systems:** Supports Windows and Mac systems for software integration, image processing, and measurement.

**Applications:**

- Ideal for biological, histological, and pathological analysis.
- Widely used in medical, sanitary, and academic fields, such as universities, colleges, and research labs.

**Additional Specifications:**

- **Viewing Head:** Sliding binocular head, 360° rotatable, interpupillary distance adjustable.
- **Eyepiece:** Wide field 10x eyepiece with 18mm field of view.
- **Nosepiece:** Quadruple for quick objective switching.
- **Stage:** Double-layer mechanical with a 75x50mm moving range.
- **Focus System:** Coaxial coarse and fine adjustments with high precision.
- **Illumination:** Adjustable LED illumination.
- **Supplied Accessories:** Dust cover, immersion oil, and user manual.

- **Packaging:** Each microscope comes in a carton with dimensions 33cm×28cm×44cm and weighs 7kg.

This microscope is a great choice for various fields like education, research, and medical laboratories.