

# STALWART

## Inverted Metallurgical Microscope STM-6000B



STM-6000B

## Introduction

STM-6000B not only can identify and analyze a variety of metals, alloys, non-metallic material and the organizational structure and integrated circuits, but also micro-particles, wires, fibers, surface coating such as some of the surface conditions. Digital cameras can be added to the trinocular tube to take images and make image analysis

## Features

- Infinite optical system provides excellent optical functions.
- With the stable stand structure, advanced stage design and comfortable operation.
- Double layer X-Y stage is optional.

## Specification

Item	Specification	STM-6000B
Optical System	Infinite Optical System	Standard
Viewing Head	Trinocular head inclined at 30°, interpupillary distance 48-75mm	Standard
Eyepiece	High-point, extra wide field eyepiece EW10×/ 20mm	Standard
Infinite Plan	4×/ 0.1/∞/- WD 17.3mm	Standard
Achromatic	5×/0.12/∞/- WD 15.4mm	Optional
Objective	10×/0.25/∞/- WD 10.0mm	Standard
	20×/0.40/∞/0 WD 5.8mm	Standard
	40×/0.65/∞/0 WD 0.52mm	Standard
	40×/0.60/∞/0 WD 2.9mm	Optional
	50×/0.75/∞/0 WD 0.32mm	Optional
	80×/0.90/∞/0 WD 0.2mm	Optional
	100×/0.80/∞/0 WD 2mm	Optional
Nosepiece	Quintuple nosepiece	Standard
Stage	Plain stage with slide clips 160×250mm	Standard
	Attachable mechanical stage, X-Y coaxial control, moving range 120×78mm	Optional
	Double layer mechanical stage 226×178mm, Moving range 50×50mm	Optional
	Auxiliary stage	Optional
Focusing	Coaxial coarse & fine adjustment, Vertical objective movement, Coarse stroke 37.7mm per rotation, Fine stroke 0.2mm per rotation, Fine Division 0.002mm. Moving range upto 8mm, down 3mm	Standard
Kohler Illumination	Halogen lamp 6V/ 30W, Kohler illumination	Standard
Filter	Blue, Yellow, Green and Frosted filters	Standard
Polarization Set	Polarizer and Analyzer	Standard

## Features

Specimen Presser	For metallurgical specimen preparation	Optional
Photo Adapter	Used to connect DSLR camera to the microscope	Optional
Video Adapter	1×, 0.5× C-mount adapter	Optional

## Application

STM-6000B is widely used in institutes and laboratories to oSTMerve and identify the structure of various metal and alloy, it also can be widely used in electronics, chemical and instrumentation industry, oSTMerve the opaque material and transparent material, such as metal, ceramics, integrated circuits, electronic chips, printed circuit boards, LCD panels, film, powder, toner, wire, fibers, plated coatings, other non-metallic materials and so on.

## Sample Pictures

