

# STALWART

## Metallurgical Microscope STM-6010 Series



STM-6010BR



STM-6010BTR

## Introduction

STM-6010 Series Metallurgical Microscopes are high level metallurgical microscopes with Reflected / Transmitted & Reflected illumination system, they not only can be used to identify and analyze a variety of metals, alloys, non-metallic material and the organizational structure and integrated circuits, but also can be applied to 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.
- Laboratory metallurgical microscope, including bright field, dark field, polarization and DIC oSTMervation system.
- Powerful transmitted and reflected system with Kohler illumination.
- Ideal instrument for industry inspection and science research.

## Specification

Item	Specification	STM-6010BR	STM-6010BTR
Optical System	Infinite optical system	Standard	Standard
Viewing Head	Siedentopf binocular viewing head, inclined at 30°, interpupillary distance 48-75mm	Standard	Standard
	Siedentopf trinocular viewing head, inclined at 30°, interpupillary distance 48-75mm	Optional	Optional
Extra Wide Field Eyepiece	WF10×/22mm	Standard	Standard
	WF10×/22mm Eyepiece with scale of cross hair	Standard	Standard
	EW15×/16mm	Optional	Optional
	EW20×/12mm	Optional	Optional
Infinite Plan Achromatic Objective	5×/0.12/∞/- (BF&DF) LWD 10mm	Standard	Standard
	10×/0.25/∞/- (BF&DF) LWD 10mm	Standard	Standard
	20×/0.40/∞/0 (BF&DF) LWD 5.0mm	Standard	Standard
	50×/0.75/∞/0 (BF&DF) LWD 1.3mm	Standard	Standard
	100×/0.90(Dry)/∞/0 (BF&DF) LWD 0.7mm	Standard	Standard
	40×/0.65/∞/0.17 (BF) WD 0.6mm		Standard
	100×/1.25/∞/0.17 (BF) WD 0.16mm		Standard
Nosepiece	Backward quintuple nosepiece	Standard	Standard
Stage	Double layer mechanical stage 216×150mm, Moving range 78×54mm		Standard
	Double layer mechanical stage 188×148mm, Moving range 78×54mm	Standard	
Focusing	Coaxial coarse & fine adjustment, fine division 2μm, moving range 30mm	Standard	Standard

## Specification

Kohler Illumination	Reflected 12V/50W Halogen light, Center and brightness adjustable	Standard	Standard
	Transmitted 12V/20W Halogen light, Center and brightness adjustable		Standard
	Polarizer and analyzer	Standard	Standard
	DIC attachment	Optional	Optional
	Green, Gray and ground glass filter	Standard	Standard
Accessories	Specimen Presser	Optional	Optional
	Photo Adapter(Used to connect DSLR camera to the microscope)	Optional	Optional
	0.5× Video adapter with C-mount	Standard	Standard
	Stage Micrometer 0.01mm	Standard	Standard

## Application

STM-6010 Series is widely used in institutes and laboratories to observe and identify the structure of various metal and alloy, it also can be widely used in electronics, chemical and instrumentation industry, observe 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, and other non-metallic materials and so on

## Sample Pictures

