

# STALWART

## Metallurgical Microscope STM-6023 Series



STM-6023 Series

## Introduction

STM-6023B/BD metallurgical microscopes are high level professional microscopes which are specially designed for metallurgical analysis. These microscopes can be used for bright field, dark field, polarizing and DIC observation. With compact structure, excellent optical system and abundant outfit, they can be your best support in research and daily work. The structure is convenient for large-size and thick specimens.

## Features

- Can be used for bright field, dark field, simple polarization and DIC observation, compact and flexible.
- Halogen light, 150W cold light source, 40W LED cold light source are available, the brightness is sufficient to meet a variety of observation requirements.
- Large base, high column. Convenient for large-size LCD panel, PCB board and thicker or larger sample observation.
- Ideal instrument for metallurgical analysis, industry inspection and science research.

## Specification

Item	Specification	STM-6023B	STM-6023BD
Optical System	Infinite optical system	Standard	Standard
Viewing Head	Siedentopf trinocular viewing head, inclined at 30°, rotate 360°, interpupillary distance 48mm-75mm, light distribution: 80:20	Standard	Standard
Eyepiece	Extra wide field eyepiece EW10×/22mm, eyepiece tube Φ30mm	Standard	
Infinite Plan Achromatic Objective	5×/ 0.12/∞/ - (BF)                      WD 15.5mm	Standard	
	10×/ 0.25/∞/ - (BF)                      WD 10.0mm	Standard	
	20×/ 0.4/∞/ 0 (BF)                      WD 5.8mm	Standard	
	50×/ 0.75/∞/ 0 (BF)                      WD 0.32mm	Standard	
	100×/ 0.8/∞/ 0 (BF)                      WD 2.0mm	Standard	
	5×/ 0.12/∞/ - (BF&DF)                      WD 12.0mm		Standard
	10×/ 0.25/∞/ - (BF&DF)                      WD 10.0mm		Standard
	20×/ 0.4/∞/ 0 (BF&DF)                      WD 4.3mm		Standard
	50×/ 0.75/∞/ 0 (BF&DF)                      WD 0.32mm		Standard
	100×/ 0.8/∞/ 0 (BF&DF)                      WD 2.0mm		Standard
DIC	DIC Attachment 20×, 100×	Optional	
Reflected Light	24V/100W Halogen light, Brightness adjustable	Standard	
	150W Cold Light, Brightness adjustable	Optional	
	40W LED illumination, Brightness adjustable	Optional	
	Polarizer and analyzer	Optional	
	Blue, Green, Yellow and Frosted filter	Standard	
Focusing	Coaxial coarse and fine adjustment, Fine Division 0.001mm, Moving Range 32mm	Standard	

## Specification

Nosepiece	Backward quintuple nosepiece	Standard	Standard
Stand	Size of the base: 396×276mm×22mm, the height of the column 300mm, diameter 30mm	Standard	Standard
Accessories	Specimen Presser	Optional	Optional
	Photo Attachment for Nikon or Canon DSLR camera	Optional	Optional
	Video Attachment, C-Mount 1×, 0.5×	Optional	Optional

## Application

STM-6023B/BD are widely used in institutes and laboratories to oSTMerve and identify the structure of various metal and alloy, they also can be 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.

## Dimension

