

STALWART

Trinocular Metallurgical Microscope STM-6002R Series



STM-6002TR



STM-6002TTR

Description

STM-6002R Series metallurgical microscopes are high level professional microscopes which are specially designed for metallurgical analysis. With excellent optical system, ingenious stand and convenient operation, they will be your best choice.

Features

- Infinite optical system provides excellent resolution and definition.
- Infinite long working distance objective, provide wide space for specimens.
- Powerful LED or Halogen transmitted and reflected system with Kohler illumination.
- Polarizing attachment and other accessories are available.
- Stage with fast lowering unit can increase 50mm for working distance, more convenient for observing big size sample.
- Oversized three-layer mechanical stage provides more choice for samples.
- Reflection illumination with Field diaphragm and Aperture diaphragm.

Specification

Item	Specification	STM-6002 TR	STM-6002 TTR
Optical System	Infinite Optical System	Standard	Standard
Viewing Head	Seidentopf Binocular Head, Inclined 30°, Rotatable 360°, Interpupillary Distance: 48-76mm, Tube diameter: 30mm	Optional	Optional
	Seidentopf Trinocular Head, Inclined 30°, Rotatable 360°, Interpupillary Distance: 48-76mm, Tube diameter: 30mm. Light distribution (both): 100: 0 (100% for eyepiece), 80:20 (80% for trinocular head and 20% for eyepiece)	Standard	Standard
Eyepieces	WF10x/22mm (adjustable)	Standard	Standard
	WF10x/22mm (adjustable , reticule 0.1mm)	Standard	Standard

Long Working Distance Infinite Plan Objective	LMPlan FL 5x/0.15	W.D=21.0mm	Standard	Standard
	LMPlan FL 10x/0.30	W.D=20.0mm	Standard	Standard
	LMPlan FL 20x/0.40	W.D=15.0mm	Standard	Standard
	LMPlan FL 50x/0.55 (S)	W.D=10.0mm	Standard	Standard
	LMPlan FL 50x/0.75 (S)	W.D=4.25mm	Optional	Optional
	LPL 80x/0.80 (S)	W.D=0.85mm	Optional	Optional
	LMPlan FL 100x/0.85 (S, Dry)	W.D=3.00mm	Optional	Optional
Nosepiece	Backward Quintuple Nosepiece		Standard	Standard
Mechanical Stage	Stage size: 200mm x 150mm, Travel range: 77mm x 52mm. Stage fast lowering unit: Up-Down moving range can be increased to 50mm		Standard	
	Stage size: 182mm x 140mm, Travel range: 77mm x 52mm Two slid holder, Metal plate size: 200mm x 150mm			Standard
Focus	Coaxial Coarse and Fine Focusing, Fine Division 0.002mm, Fine Stroke 0.2mm per Rotation, Moving Range 25mm. Tightness adjustment, upper distance limiter		Standard	Standard
Micrometer	Stage Micrometer 0.01mm		Optional	Optional
Polarizing Unit	Polarizing and Analyzer attachment		Standard	Standard
Condenser	Abbe N.A. 1.25 with Iris Diaphragm			Standard
Reflected Illumination	5W LED lamp (Input voltage: 100V~240V)		Standard	Standard
	12V/50W Halogen lamp (Input voltage: 100V~240V)		Optional	Optional

Transmitted Illumination	5W LED lamp (Input voltage: 100V~240V)		Standard
	6V/30W Halogen lamp (Input voltage: 100V~240V)		Optional
Filter	Blue	Standard	Standard
	Green	Optional	Optional
	Amber	Optional	Optional
	Grey	Optional	Optional
C-mount Adapter	1× C-mount (Focus Adjustable)	Optional	Optional
	0.75× C-mount (Focus Adjustable)		
	0.5× C-mount (Focus Adjustable)	Optional	Optional
Packing	Packing Size: 520×470×430mm, Gross Weight: 16 kgs, Net Weight: 12kgs	Standard	Standard

Application

STM-6002R series metallurgical microscopes are widely used in institutes and laboratories to observe and identify the structure of various metal and alloy, they 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.