

KASON BJ600X

Portable Metallurgical Microscope



View more information

LARGE FIELD FLAT FIELD EYEPIECE Φ 20MM FIELD OF VIEW

Configure a large field of view flat field eyepiece to achieve a field of view range ϕ 20mm provides a wider and more comfortable visual observation. Adopting advanced light trap technology to prevent glare and improve imaging quality. The eyepiece lens adopts a vertical semi anti coaxial optical path interface.



FASHION LED LIGHT SOURCE

Reflective vertical single high-power white LED lighting, combined with a novel and fashionable micro switch, can trigger constant color temperature and comfortable lighting with one click, and true color imaging requires no adjustment at all.



ON-SITE METALLOGRAPHIC SAMPLE PREPARATION PACKAGE

An angle grinder is used with sandpaper, wool felt, and diamond spray polishing agent for on-site sample preparation. The operation is simple and quick.
Polishing wheel: Φ 100, metallographic consumable specifications 320#, 600#, 1000#, 1500#, wool wheel, diamond grinding paste, chuck handle and other tools



APPLICATION

KASON-BJ600X portable metallurgical microscope is a precision optical microscope used for metallographic analysis and failure analysis of various large workpieces on site. Large workpieces on site do not require cutting and sampling, and can be directly polished and polished on the workpiece to ensure its integrity. After the sample preparation is completed, a portable metallurgical microscope can be used to directly perform tissue analysis on the workpiece. This machine is used in aviation manufacturing, mechanical manufacturing, vehicle manufacturing, boiler and pressure vessel manufacturing and inspection, petrochemical, railway shipbuilding, power plants, power stations, equipment installation, large grinding tools, safety testing, quality supervision, physical and chemical testing and other industries. This machine has a wide range of applications and is easy and fast to operate.

The optional WiFi camera can be connected to a mobile phone or tablet for use, and the image collector can be connected to a microscope with a field of view close to the observation range of the eyepiece. Images can be synchronized for multiple people to observe, download or send; It can achieve multi magnification conversion observation and photography in the same field of view. The wifi camera app can achieve: photography, measurement, browsing, saving, automatic electronic ruler, USB output interface; LED lighting, lithium battery charging can work continuously for 6-8 hours.

MAIN SPECIFICATIONS

Item	Specification
Optical system	Finite distance chromatic aberration correction optical system
observation tube	Monocular viewing tube
Eyepiece	Flat field wide field eyepiece WF 10X/20mm
Camera interface	Standard 0.5X C interface
Long focal length plan achromatic objective lens	PL L 10X/0.25 WD8.90mm
	PL L 20X/0.40 WD3.75mm
	PL L 50X/0.70 WD2.02mm
Converter	Three hole converter
Focusing mechanism	Coarse adjustment stroke 30mm, fine adjustment stroke 1mm
Lighting system	LED portable light source
Magnetic base	X-Y direction travel 10X10mm; on-off magnetic suction iron feet, minimum suction pipe diameter 30mm, suction force 25N/cm ² , and equipped with a magnetic switch.
Options analysis system (for use with a lapto)	FMIA2023 genuine metallographic analysis software
	5 million pixel Sony chip camera device
	0.5X adapter mirror interface
Options analysis system (Connect to mobile phone)	High precision micrometer
	FMIA2023 genuine metallographic analysis software
	WiFi camera
Sample preparation equipment	0.5X adapter mirror interface
	High precision micrometer
Sample preparation equipment	Bosch angle grinder, Bosch special suitcase, sandpaper, wool felt, diamond polish, etc