

XJL-201



- **XJL-201** series reflected metallurgical microscopes are suitable to observe the microscopical surfaces of the non-transparent object. They are equipped with large move range mechanical stages, reflected vertical illumination and set polarizer device in trinocular. They have clear and high-contrast picture beautiful sculpt, convenient control and etc. they are the ideal instrument in research work in metallography, mineralogy, precision engineering, electronics and etc. They are suitable for scientific research, teaching demonstration in the colleges and factory.

Features

- ▲ With plan, achromatic objectives with long working distance (no cover glass) and wide-field eyepieces, can get clear pictures and wide view field.
- ▲ With large move range mechanical stages can move quickly and slowly.
- ▲ Coaxial coarse/fine focus system, with tension adjustable and up stop, minimum division of fine focusing: 2 μ m.
- ▲ 6V 20W Halogen lamp, brightness control.
- ▲ Trinocular, can switch to observe normally or to observe the polarized, can send 100% of light to the binocular eyepieces or to the top port.



Observation System

Trinocular, single diopter adjustable, inclined 30° , build-in analyzer to switch freely, can be connected to the camera.

10X wide field plan eyepiece, field $\Phi 18\text{mm}$, can provide an expanse and smooth space for observation.

Stage

With large moving range mechanical stage (size: $250\text{mm} \times 230\text{mm}$; moving range: $154\text{mm} \times 154\text{mm}$). It can be chose to utilize supper large moving range mechanical stage (size: $280\text{mm} \times 270\text{mm}$; moving range: $204\text{mm} \times 204\text{mm}$).



Reflected Illumination System

The illumination system is utilized 6V 20W halogen lamp (brightness adjustable) can provide clear and bright image for light field observation, but also for polarized light observation.

Build-in polarizer, field diaphragm (center adjustable) and iris diaphragm, can get the polarized light observation. It can control the field range effectively and adjust the phase contract of the field.

Flashboard filter unit with yellow, green and blue filter and ground glass provides illumination with different chroma for observations of different samples.

Optics Body

Particular structure of optics body with the shape " T " makes the machine more steady and more space to use.

coarse focus control knob can be adjusted the degree of tightness, so the operator can control the microscopes very comfortably. It can get the clear image by moving up and down the objectives unit.





Camera observation unit

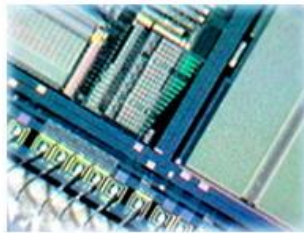
Function Spread

By adding the appurtenance such as CCD adapter, digital camera adapter and single-reverse digital camera adapter and etc. It can achieve high clear observation mode of camera and vidicon.

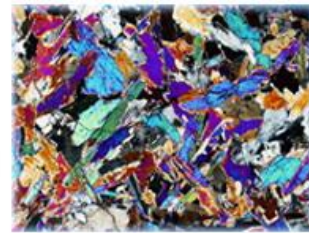
Digital camera photography:



Bright type observe



Bright type observe



Polarized observe

Specification

- Standard Configuration

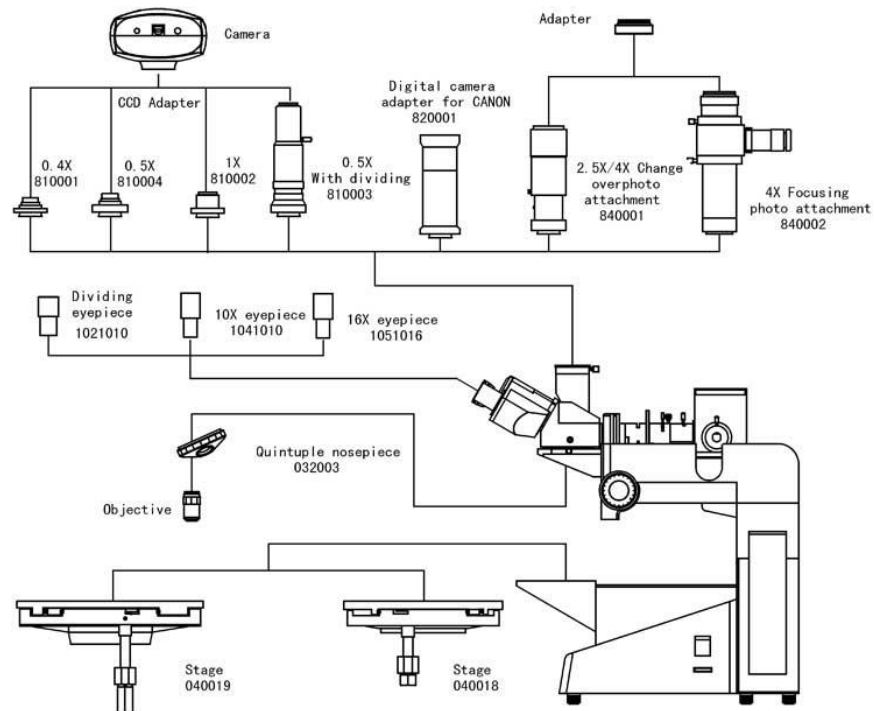
Model	XJL-201	XJL-201A
Eyepiece	Wide field WF10X(Φ 18mm)	
Objective	Plan achromatic objectives with long working distance (no cover glass) PL 5X/0.12	
	Plan achromatic objectives with long working distance (no cover glass) PL L10X/0.25	
	Plan achromatic objectives with long working distance (no cover glass) PL L20X/0.40	
	Plan achromatic objectives with long working distance (no cover glass) PL L40X/0.60	
	Plan achromatic objectives with long working distance (no cover glass) PL L80X/0.80	
Eyepiece tube	Trinocular, Inclination of 30°, (Analyzer with field diaphragm to switch)	
Vertical illumination unit	6V 20w, halogen lamp, adjustable brightness	
	Vertical illumination with field diaphragm, aperture diaphragm and polarizer,(Y,B,G)filter and frosted filter	
Focus system	Vertical adjustable, Coaxial coarse/fine focus system, with tensional adjustable and up stop, minimum division of fine focusing 2 μ m.	
Nosepiece	Quintuple(Frontward ball bearing inner locating)	

Stage	Three layer mechanical	Three layer mechanical
	Size:250mmX230mm,movingrange:154mmX154mm	Size:280mmX270mm,movingrange:204mmX204mm

Optional accessories

Name	Sort/Technique parameter	NO.
Eyepiece	Wide field WF16X(Φ 11mm)	1051016
	Dividing 10X(μ 18mm) 0.1mm/Div	1021010
Objective	Plan achromatic objectives with long working distance (no cover glass) PL L 50X/0.70	2250150
	Plan achromatic objectives with long working distance (no cover glass) PL L 60X/0.75 (Spring)	2250160
	Plan achromatic objectives with long working distance (no cover glass) PL L 100X/0.85 (Spring)	2250111
	Plan achromatic objectives (no cover glass) PL 100X/1.25 (Spring, oil)	2240111
CCD adapter	0.4X	810001
	0.5X	810004
	1X	810002
	0.5X with dividing 0.1mm/Div	810003
Camera	DV-1 With USB & video output	800001
	DV-2 With USB output	800003
	DV-3 With video output	800005
Photo unit	2.5X/4X Change over photograph attachment with 10X viewing eyepiece	840001
	4X Focusing photograph attachment	840002
	MD Adapter	840003
	PK Adapter	840004
Digital camera adapter	CANON(A610,A620,A630,A640)	820001

Diagram



Dimensions

