

# Union

Ideal for practical training and operation in the factory

## Inverted Type Metallurgical Microscope

### MCB-1

The compact MCB-1 is an efficient, easy-to-use inverted type metallurgical microscope. The combination of a flat-field objective lens with outstanding resolution even around the periphery of the field of view and a high eye-point eyepiece with a wide field of view permits prolonged microscopic observation without fatigue. A wealth of functions include 35 mm photographing and digital camera photographing.



\* Digital camera is optional.

### Compact photographing unit

Respective photographing units mounted around lower position of main body are stable and easy to operate. Two types of units with a 4X Camera Lens for a 35 mm camera and a 0.7X TV Lens for a digital camera are provided as standard. By changing the units, you can easily mount a digital camera (left) or a 35 mm camera (right).



Digital camera

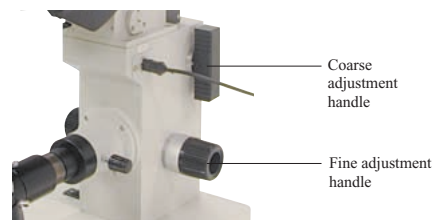
35 mm camera



The Polaroid photographing unit is optional.

### Easy-to-operate prefocusing unit

The stage moves vertically by the coarse adjustment handle and stops at a fixed position that has been adjusted as a focusing point. The objective lens has the same focal point at respective magnifications, permitting quick change from low to high magnification.

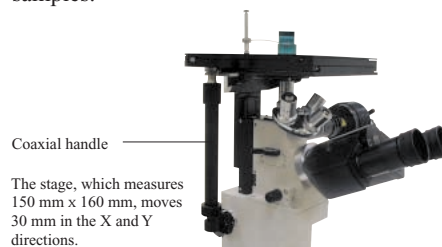


Coarse adjustment handle

Fine adjustment handle

### Large cross movement mechanical stage with coaxial handle

The ball race type large cross movement mechanical stage is mounted, and its coaxial handle allows easy position adjustment of samples.

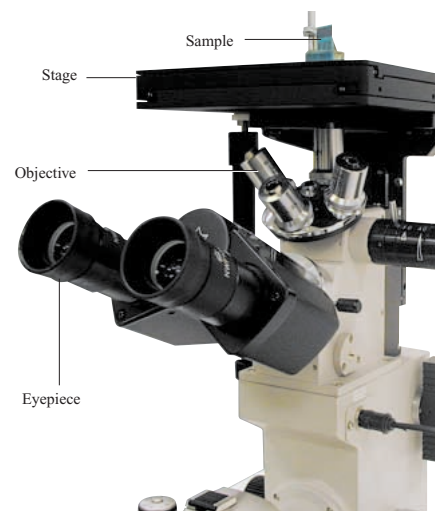


Coaxial handle

The stage, which measures 150 mm x 160 mm, moves 30 mm in the X and Y directions.

### Inverted type ideal for inspection of metal samples

The surface of metal sample to be inspected is set downward on the stage, and is immediately ready for observation. Troublesome hand pressing is not required.



### Built-in high-intensity lighting unit

The transformer is built into the base. The reflected illumination unit is a Koehler illumination type with an aperture and a field diaphragms.

