

MF-U Measuring Microscope

Series 176

High-power Multi-function

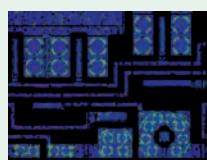
- A measuring microscope that provides detailed observation with a clear and flare-less erect image and a wide field of view.
- Measuring accuracy that is one of the highest (and conforms to JIS B 7153).
- Proven high-NA objectives from the FS optical system (long working distance type).
- Integration of metallurgical and measurement microscope functions provides high-resolution observation and high-accuracy measurement.
- Illumination unit (reflected/transmitted) optional from a high-intensity LED or halogen bulb (required).
- Variable aperture diaphragm (reflected/ transmitted) allows observation measurement while suppressing light diffraction.
- Variety of standardized stages in sizes up to 400 × 200 mm.
- Quick-release mechanism useful for moving the stage quickly when measuring workpieces that are large in size or quantity.
- High-magnification eyepiece observation up to 4000X.
- Low-noise design.



MF-UB 3017C

(turret, objectives and illumination are optional)

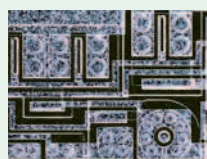
Specifications	
Observation image	Erect image
Measuring accuracy (at 20°C)	XY-axis : (2,2+0,02L) μm L : Measuring length (mm) when not loaded, JIS B7153
Indication accuracy (at 20°C)	Z-axis : (5+0,04L) μm L : Measuring length (mm)
Floating function	X and Y axes with Quick-release mechanism
Focusing method	Manual (coarse focusing : 10 mm/rev., fine focusing : 0,1 mm/rev.)
Optical tube	Siedentoph type (pupil distance adjustment : 51 - 76 mm), 1X tube lens, Binocular tube (depression : 30°), Reticle projection method, with TV mount, Optical path ratio (eyepiece/TV mount : 50/50)
Eyepiece lens	10X (field No.: 24mm) Optional : 15X, 20X
Turret (optional)	Manual or power
Objective lens (optional)	M / BD Plan Apo objective from 1X to 100X
Transmitted illumination optional	Light source : Halogen bulb (12V, 50W) Optical system : Telecentric illumination with adjustable aperture diaphragms Functions : Light intensity adjustable, Non-stepped brightness adjustment
Surface illumination optional	Light source : Optional halogen illumination unit (fiber-optic cold light illumination) Optical system : Koehler illumination with adjustable aperture diaphragms Functions : Light intensity adjustable, Non-stepped brightness adjustment
Display unit resolution	0,001mm / 0,0005mm / 0,0001mm / 0.0001" / 0.00005" / 0.00001" No. of axis : 2 axes or 3 axes Functions : Zero-setting, Direction switching, Data output (via RS-232C interface)
Power supply	220/240V AC, 50/60Hz



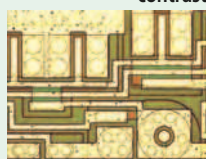
Polarized light



Differential interference contrast



Dark field



Bright field



Refer to the MF / MF-U microscopes brochure

