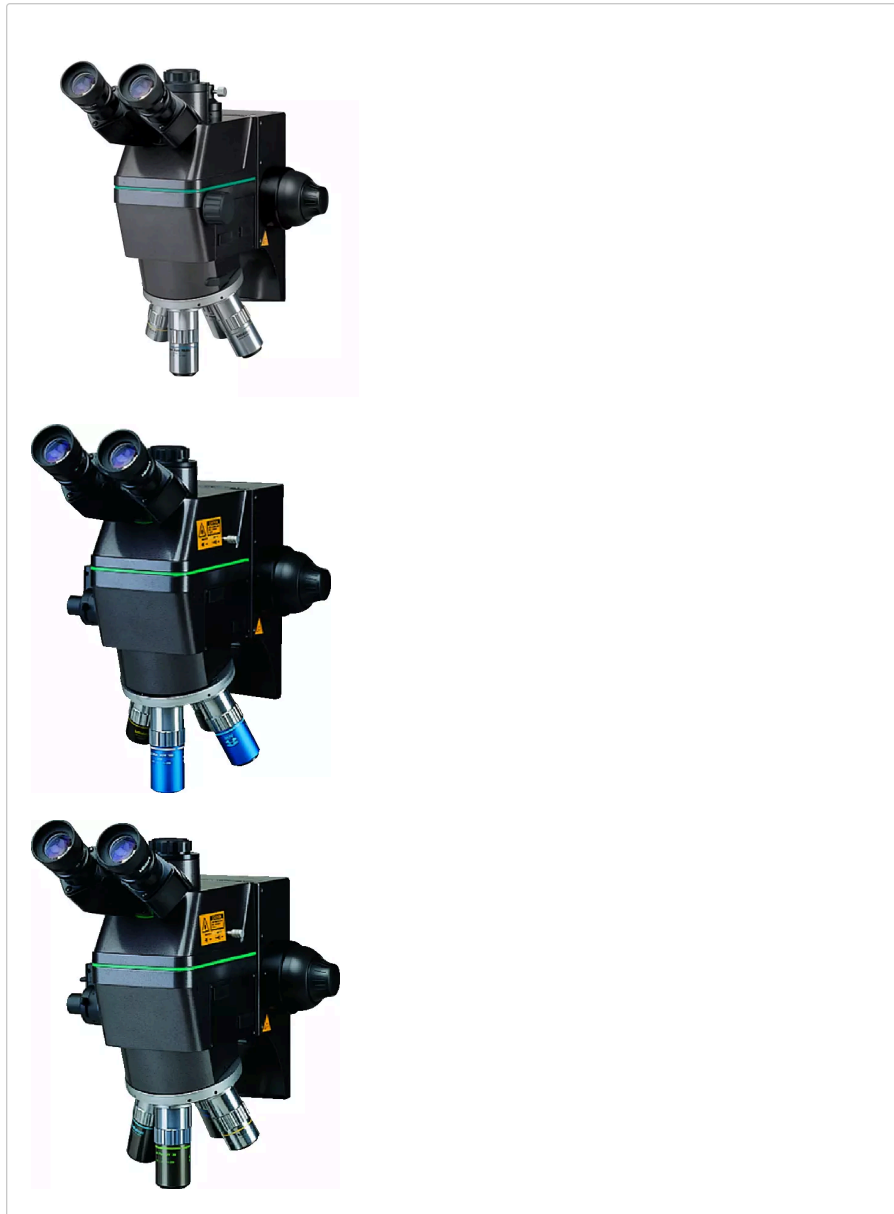


## Microscope Unit

Item number: 378-185-1

### Images



### Description

- Excellent operability with the optional inward rotating turret and high quality objective lenses with long working distance.
- Ideal as the microscope unit of a prober station for semiconductors.
- The L- and L4-models support YAG laser wavelength ranges from 266 up to 1064 nm allowing laser cutting of thin films and liquid crystal substrates.
- Ergonomic design with combined knob for coarse- and enlarged fine focus adjustment.

### Features

<b>Model short base:</b>	FS70Z-S
<b>Focus adjustment:</b>	<b>Method:</b> With concentric coarse and fine focusing wheels (right and left) <b>Range:</b> 50mm travel range, 0.1mm/rev. for fine adjustment, 3.8mm/rev. for coarse adjustment
<b>Light source:</b>	Optional 12 V / 100 W fibre-optic, non-stopped adjustment, light guide length 1.5m, power consumption 150W

**Interpupillary distance:** Siedentopf type, adjustment range: 51-76mm

**Tilt angle:** 0°- 20° (only - TH, - THS models)

**Camera mount:** C-mount (using optional adapter B)

**Illumination system:** Designed for reflective illumination for bright field ( Koehler illumination, with aperture diaphragm)

**FS-70L/L4:**

- The FS70L supports three YAG laser wavelengths (1064 nm, 532 nm and 355 nm), while the FS70L4 supports two wavelengths (532 nm and 266 nm), thus expanding the scope of laser applications, allowing laser-cutting of thin-films used in semiconductors and liquid crystal substrates. However, Mitutoyo assumes no responsibility whatever for the performance and/or safety of the laser system used with Mitutoyo microscopes. A careful examination is recommended when selecting a laser-emission unit.
- Bright field, Differential Interference Contrast (DIC) and polarized observations are standard with the FS70Z. The FS70L and FS70L4 do not support the DIC method.
- By employing an inward-leaning turret, the long working distance objectives provide excellent operability.

## Accessories

### Optional accessories:



#### **WF 20X/12 Eyepiece single**

Wide field of view eyepiece (1 pcs.)

Art No. 378-858-5

Suggested retail price: 589.00 €\*



#### **WF 10X/24 Eyepiece single**

Wide field of view eyepiece (1 pcs.)

Art No. 378-866-5

Price on application



### **WF 10X/24 Eyepiece pair**

Wide field of view eyepiece (2 pcs.)

Art No. 378-866

**Price on application**



### **WF 20X/12 Eyepiece pair**

Wide field of view eyepiece (2 pcs.)

Art No. 378-858

Suggested retail price: **1,090.00 €\***