



## ACS Material Equipment Series

### OptiPro™ Metallographic Microscope

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## **I. Product Composition**

### **1) Main Machine**



Photo of Metallographic Microscope

## **II. Product Introduction**

The microscope delivers clear, sharp, and high contrast images across various observation methods. It includes complete accessories, perfect configuration, and allows flexible system combination and function expansion.

This cost-effective microscope is capable of examining a wide range of devices and wafers, especially small to medium-sized semiconductor FPDs and circuit board cross sections. The focus and illumination control are conveniently placed and can be operated by the same hand.

The bright field optical system, using infinity- corrected optics, supports multiple observation modes, consistently providing clear images and offering functional flexibility for industrial inspection.

## **III. Product Features**

1. High-definition mirroring, no blurring of the edges of the field of view, full field of view high-definition.
2. Light field compensation, can remove the reflection exposure point in the mirror image.
3. Novel appearance, the whole machine lead-free and environmentally friendly materials.
4. Transparent and reflective dual light source, transparent or non-transparent samples can be observed to achieve the perfect multi-purpose function of the machine.

5. With the original imaging system can perfectly achieve the mirror screen effect.

#### IV. Product Specifications

Product Name	OptiPro™ Metallographic Microscope	
Model	EOMXTL2A	
	EOMXTL2B	
Viewing Head	30° hinge trinocular head, adjustable pupil distance 50mm-75mm	
Eyepiece	WF10X/22mm	
Objective Lenses	Infinity corrected plan achromatic stress-free metallurgical objectives 5X, 10X, 20X, 50X Optional: Infinity corrected plan achromatic stress-free metallurgical objectives 40X,100X	
Stage	Platform size:140MM × 120MM    Moving range:80MM × 50MM	
Condenser	N.A.1.25 Swinging Abbe condenser with variable diaphragm	
Focusing	Coarse and micro coaxial focusing, using rack and pinion drive mechanism, fine adjustment increments of 0.002mm	
Light Source	EOMXTL2A	Transmitted single light source 5W LED illumination (upper), DC12V2A, brightness can be adjusted
	EOMXTL2B	Transmitted and reflected dual light source with 5W LED illumination (upper and lower), DC12V2A, brightness can be adjusted
Illuminator	High brightness fixed lighting with dimmer bar	
Filter	Insert plate filter (green, blue, neutral) polarizer	
Checking Tool	0.01mm micrometer	
Optional Accessories	<ol style="list-style-type: none"> <li>1. Eyepiece: WF20X</li> <li>2. 1.3 million, 3 million, 5 million, 10-million-pixel CMOS electronic eyepieces</li> <li>3. Non-stress objective:100X(S) oil</li> <li>4. Microscope interface comes standard with 0.4X magnification, with an optional 0.3X available</li> </ol>	

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