

Compatible with an infinity-corrected microscope system.
 Various configurations and customizations are available
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BEST INTEGRATION TECHNOLOGY CO., LTD.



Applications

- Semiconductor Optical Inspection Wafer, Package and Die Sorting.
- Flat-panel Optical Inspection TFT-LCD, Solar Cell and Micro-LED.
- Biomedical Science Imaging Liquid Biopsy, Cell Slide and Fluorescence Microscopy.
- Precision Laser Processing Cutting, Marking and Dicing.

Model Name	ATF-S / ATF-SL	ATF-SLX	ATF-SI
Control Interface	Gigabit Ethernet		
Laser Wavelength	785 nm / 820 nm		
Laser Safety	Class 3B		
Focusable sample properties	Reflective surface, matte surface and transparent material		
Specimen Reflectivity	1% ~ 100%		
lmage Field	Max. 30 mm		
Camera Mount	C-Mount / M42-Mount		
Focusing Accuracy	One-quarter ~ one-sixth of objective DOF		
Focusing Update Rate	3 KHz	500 Hz	250 Hz
Sampling Rate	15 KHz	2.5 KHz	1.25 KHz
Focusing Range	±700 μm (objective lens 20X)		
	±3,000 μm (objective lens 10X)		
	±9,200 μm (objective lens 5X)		
	±10,000 μm (objective lens 2X)		
Z axis – Travel & profile	±10 mm with adaptive S-curve motion profile		
Z axis - Resolution	0.015 μm with 16-bit encoder		
Z axis - Speed	20mm/s @ single lens. 10mm/s @ linear lens changer and four objectives.	20mm/s @ single lens.	10mm/s @ single lens.
Z axis – Position update rate	3,000 times per second		
Z axis – Max. acceleration	Acceleration: 1,000 mm/s ² Deceleration: 400 mm/s ²		
Illuminator - Default	5W high uniformity lighting with built-in LED driver.		
Illuminator – Options Lighting	MLSU - High power bright field illumination. DFLS - Ultra-high intensity dark field illumination.		
Illuminator – Options LED Driver	Programmable LED Driver with high-speed external trigger synchronization capability. The maximum frequency of strobe input reaches to 500kHz.		

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