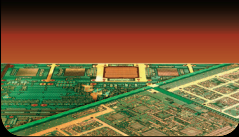


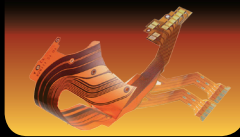
# AFOSAie LEDLight™

## Semi-Automatic UV Exposure Solution

PCB



FPCB / Flex



Rigid-Flex

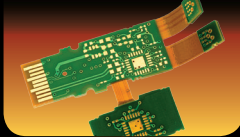
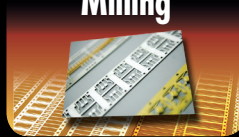
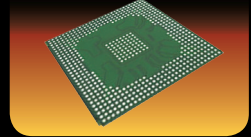


Photo Chemical  
Milling



IC Substrate



**Best Cost Performance Solution for Small & Medium Production**

**Resolution**

**15µm  
(L/S)**

**Registration**

**±20µm  
AW/Panel**

**Throughput**

**1500  
Panels/day**

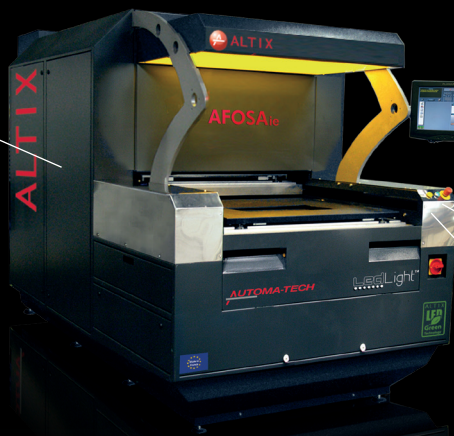
**High Savings**

**-80% Cost  
of Ownership**



# AFOSAie LEDLight™

UV Led Source



Fully Intuitive & Friendly HMI

Easy Operating Quick Batch Change

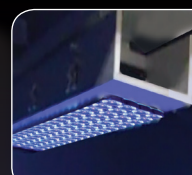
Cost Saving UV Led Solution. No down time

Low Maintenance Cost

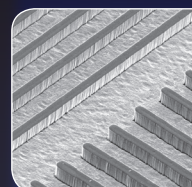
## AFOSAie LEDLight™ Specifications

<b>APPLICATIONS</b>	PCB • FPCB / Flex • Photo Chemical Milling • IC Substrate		
<b>Process</b>	Inner Layers		
<b>Exposure area</b>	Up to 610mm x 762mm • Up to 24"x30"		
<b>Panel Thickness</b>	0.05 to 4mm (optional up to 6mm) • 2 to 157mils (optional up to 236mils)		
<b>RESOLUTION</b>	15µm/15µm • 0.6mil/0.6mil <sup>(1)</sup> (Line & Space)		
<b>Light Engine</b>	LedLight™		
<b>Intensity</b>	≥ 30mW/cm <sup>2</sup>		
<b>Collimation</b>	≤ 1.6°		
<b>Declination</b>	No Declination		
<b>Uniformity</b>	≥ 85% <sup>(2)</sup>		
<b>Exposure method</b>	Soft or Hard contact with vacuum		
<b>ALIGNMENT</b>	±15µm • ±0.6mil for Top/Bottom Registration ±20µm • ±0.8mil for Artwork to Panel (holes or pads) ±5µm • ±0.2mil for Repeatability		
<b>CCD Cameras</b>	2 to 4 cameras		
<b>Lighting</b>	Special lighting for hole and pad detection		
<b>THROUGHPUT</b>	Up to 2 images/minute <sup>(3)</sup>		
<b>Batch change</b>	Less than 3 minutes for Artworks & Settings change		
<b>SOFTWARE</b>	ALTIX SUITE with 17" touch screen		
<b>Languages</b>	English, Simplified & Traditional Chinese, Korean, German, French...		
<b>HIGH YIELD</b>			
<b>Air cleanliness</b>	Hepa filter class 100		
<b>Features</b>	No Artwork expansion with Led Source		
<b>GENERAL UTILITIES</b>			
<b>Power Supply</b>	220/400/480V • 3 Phases • 50/60Hz		
<b>Power Consumption</b>	3kW		
<b>Air Supply</b>	6~7 bars • 1.5m <sup>3</sup> /min		
<b>Water Supply</b>	No water supply required		
<b>UV Source Cooling</b>	Hot air extraction		
<b>Machine Weight</b>	1,600kg • 3,525lbs		
<b>Dimensions</b>	2,500mm (L) x 1,640mm (W) x 2,125mm (H) • 98" (L) x 65" (W) x 84" (H)		

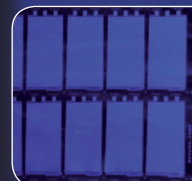
(1) depending on the process parameters • (2) the formula is Min/Max • (3) depending on the process



Best Cost-Performance efficiency with UV Led Solution



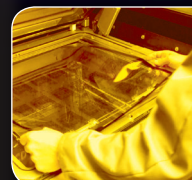
High Resolution: 15µm (L/S)



High Throughput: ≥ 1,500 panels/day



High Registration: ±15µm



Quick Batch change: ≤ 3 minutes



High Production Flexibility: Double batch function QTA, Samples, R&D



# ALTIX

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*Imaging with us!*



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