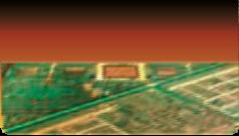


ACURA LEDLight™ PREMIUM

Full-Automatic Double Side Exposure for Inner Layers

PCB



FPCB / Flex



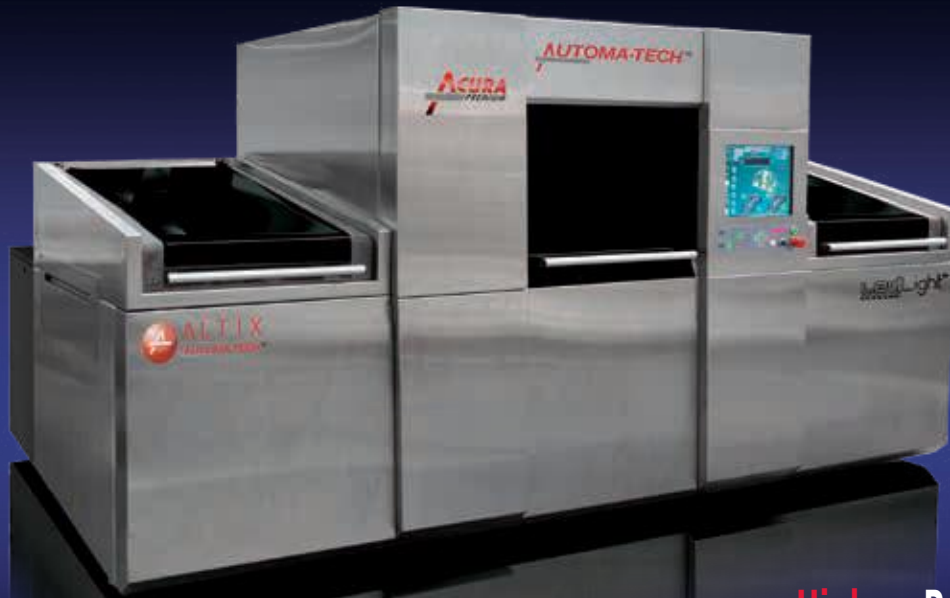
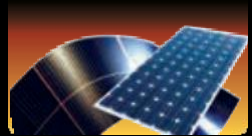
Rigid-Flex



Metal Etching



Solar



LEDLight™

Higher Precision

Productivity

Cost Savings

Best Imaging Solution - Highest Cost & Performance Ratio

Resolution

25µm | 1 mil
Line & Space

Registration

±5µm | ±0.2mil
Front to Back

Throughput

Up to 5
Panels/minute

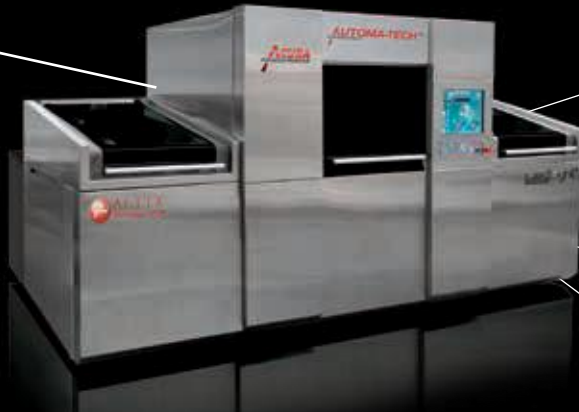
High Savings

-85% Cost
of Ownership



ACURA PREMIUM for Inner Layers

UV Led Source



Fully Intuitive & Friendly HMI

High Accuracy Registration

Print on All Kinds of Photoresists

Highest Cost & Performance Ratio

ACURA Premium Specifications

APPLICATION	PCB • FPC/Flex • Rigid-Flex • Metal Etching • Solar	
Process	Inner Layers	
Exposure area	Up to 610mm x 762mm • Up to 24"x30"	
Panel Thickness	Up to 2mm (optional up to 4mm) • Up to 78.7mils (optional up to 157mils)	
RESOLUTION	25µm/25µm • 1mil/1mil ⁽¹⁾ (Line & Space)	
Light Engine	LedLight™	
Intensity	Up to 50mW/cm ²	
Collimation	≤ 1.6°	
Declination	No Declination	
Uniformity ⁽²⁾	≥ 85% / 90% - depending on panel size	
Exposure method	Soft or Hard contact with vacuum • CMI function	
ALIGNMENT	±5µm • ±0.2mil Artwork/Artwork Registration ±3µm • ±0.12mil Repeatability	
CCD Cameras	4 cameras	
Mask	Compatibility Glass Mask & Film Mask	
THROUGHPUT	4-5 panels/minute ⁽³⁾	
Batch change	Less than 5 minutes for Artworks & Settings change	
SOFTWARE	ALTIX SUITE with 15" touch screen Telemaintenance available	
Languages	All languages available: English, Simplified & Traditional Chinese, Korean, and more...	
HIGH YIELD		
Air cleanliness	Hepa filter class 100	
Features	Electrostatic neutralizer, Stainless steel (Frames & Covers)	
GENERAL UTILITIES		
Power Supply	220/400/480V • 3 Phases • 50/60Hz	
Power Consumption	6kW	
Air Supply	6-7 bars • 1.5m ³ /min	
Water Supply	No water supply required	

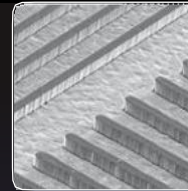
(1) depending on process • (2) depending on image area • (3) depending on photoresist and energy required

Smallest Foot Print & Fastest Installation

Top view



The Acura Premium foot print is smaller by 30% to 40% than all other solutions in the market. It is a unique all-in-one and plug and play solution that is easy to install: plug power & air only (no cooling water) and it is ready to produce!



Higher Resolution: 25µm L/S

Unique optical solution with a collimation angle of ≤1.6° and uniformity enable higher resolution and tolerances



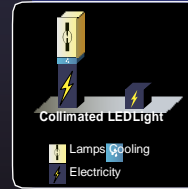
Higher Registration: ±5µm

Highest Front to Back registration on all areas of the panels thanks to its unique algorithm



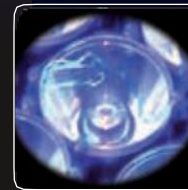
Highest Image Quality

No artwork distortion and high image stability over the production thanks to its LedLight™ generating no heat



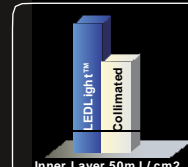
High Cost Savings: > \$50K/year

- 6kW power consumption only
- No cooling water requirement
- No lamp required
- Low maintenance & no down time



Altix's LedLight™ Technology, it is:

- Up to 50mW/cm² UV intensity
- Image all types of photoresists
- Constant intensity over 15,000hrs, representing >25 million panels



High Productivity: up to 5pnls/min

- >6,000 panels/day and over years:
- No down time to replace lamps
- ≤ 5min to change batch/lot
- Same exposure time over years

Local Sales & Service:



L&M Imaging Systems Limited
The Birchcliffe Centre
Hebden Bridge HX7 8DG
Tel. 01422 410449
Email: info@lmimaging.co.uk



www.altix.fr