Single & Double Side UV Exposure Roll to Roll

Resolution
15µm | 0.6mil

Line & Space

Registration
±5µm | 0.2mil

AW/AW

Throughput
Up to 8000 images/day

High Savings
High Power UV LEDs

Solution For High-End Roll to Roll Exposure Processes
APPLICATIONS
- FPCB / Flex
- Photo Chemical Milling
- Touch Panel
- Photovoltaics

Exposure Process
- Inner Layers, Outer Layers & Coverlay / Soldermask / PSR
- Exposure Area: Up to 550mm x 650mm (21.6" x 25.6")

Web Thickness
- Down to 15µm + copper: 0.6mil

RESOLUTION
- 15µm/15µm • 0.6mil/0.6mil (Line & Space) for dry film (1)
- Min Dam: 50µm for Soldermask (2)

Light Intensity
- ≥25mW/cm² (5kW lamp)
- ≥40mW/cm² (8kW lamp)

Collimation
- ≤ 1.5° (2)

Declination
- ≤ 1° (2)

Uniformity
- ≥ 80% (3)

Dry Film Resist
- Coverlay / Soldermask / PSR

Exposure Contact
- Soft or hard contact vacuum – CMI™ available

ALIGNMENT
- ±5µm / 0.2mil AW/AW (after vacuum)
- ±8µm / 0.32mil AW/Web (after vacuum)
- ±3µm / 0.12mil Repeatability (after vacuum)

CCD Cameras
- 4 cameras for I/L & O/L
- 4 cameras + 4 cameras for Coverlay / Soldermask / PSR

Mask Compatibility
- Glass Mask & Film Mask

THROUGHPUT
- Up to 8000 images/day (4)

Batch Changeover
- Up to 5 minutes - Masks & Settings change

SOFTWARE
- ALTIX SUITE with 17" touch screen

Languages
- English, Simplified & Traditional Chinese, Korean, German, French...

HIGH YIELD
- Air Cleanliness
- Hepa filter class 100 & Clean Dry Air Network (CDA)

Features
- Tacky roller (web cleaner) including deionization system

Construction
- Stainless steel

GENERAL UTILITIES
- Power Supply: 220/400/480V • 3 Phases • 50/60Hz
- Air Supply: 6-7 bars with 1.5 m³/min
- Power Consumption: 17kW (2x5kW lamps) • 6kW with LedLight™
- Water Supply: 20-30 l/min @3 bars (for 2x5kW unit) • 20-30 l/min @3 bars
- UV source cooling: Air cooled / Close Loop Lamp Cooling (CLLC)
- Machine Weight: 4,750kg • 10,450lbs (3)
- Dimensions: 5,350mm (L) x 2,978mm (W) x 2,350mm (H) (5)

(1) depending on photoresist, surface preparation & DES process • (2) depending on max. exposure area
(3) depending on exposure area - calculation: Min/Max • (4) depending on process • (5) with cabins

**AcuReel Specifications**

- Fully Intuitive & Friendly HMI
- High Exposure Resolution
- High Power UV Leds - Ultimate Cost Saving
- Stitching function
- No artwork expansion

**AcuReel**

**Single & Double Side UV Exposure Roll to Roll**

**Imaging with us!**

**Manufacturing, Sales & Service:**

**Europe:** Altix France – HQ
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Email: central@altixasia.com

**Direct Sales & Service:**

**Asia:** Altix China
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**North America:**
Altix NA, Inc.
West Coast, Middle West and East Coast
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- High Cost-Performance efficiency with UV Led Solutions
- High Resolution: 1.5µm (L/S)
- Throughput: ≥ 8,000 images/day
- High Registration Capabilities: ±5µm
- High Production Yield: Low tension material control & Anti-scratch material solution
- Stitching function: < 20µm, special hardware & algorithm to compensate image to image misalignment

**ALTIX**

**Imaging with us!**

www.altix.fr