



# ALTIX

Direct Imaging & Contact Printers

## The Latest Direct Imaging Technology



**ALTIX SA DUO**  
LEDs DMD

**BeamLight™ Multichannel – 4 Wavelengths**  
**Dual Table**  
**Dry Film & Soldermask**

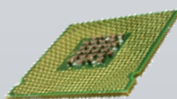
PCB



FPCB / Flex



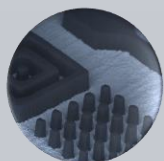
Advanced  
Packaging



Chemical Milling



**Resolution**



Down to  
30µm | 1.2 mil

**Registration**



±8µm | ±0.3mil  
Image to Panel

**Throughput**



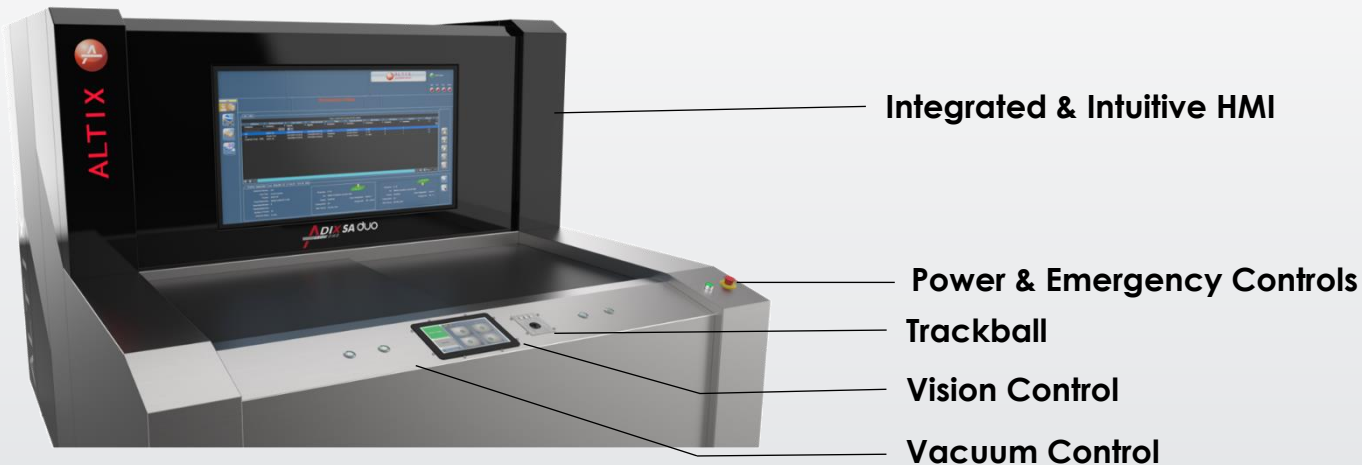
Up to 2.5  
panels/min

**Twin Stage**



Enhanced  
Productivity

# Operator-Focused Ergonomy

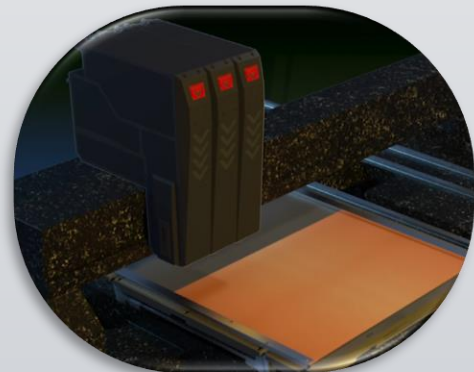


## Tailored Lightsources According to Your Production Needs

### High Power Multi-Wavelength BeamLight™



### Separate ALDS Power 4+ Photoheads



or

## Key Specifications

|                            |  |   |   |
|----------------------------|--|---|---|
| Exposure Area              | From 228mm x 254mm (9"x10") up to 610mm x 762mm (24"x30")                                  |   |   |
| Panel Thickness            | 0,05mm to 8mm - 6kg max.   |   |   |
| <b>Light Configuration</b> | <b>Separate ALDS Power 4+ Photoheads</b>   |   | <b>BeamLight™</b>                             |
| <b>Light Engine</b>        | <b>LS15</b>  | <b>LS30</b>                                   | <b>Multichannel</b>                           |
| <b>Resolution - L/S</b>    | <b>15µm/15µm (0.6/0.6 mil) <sup>(1)</sup></b>  | <b>30µm/30µm (1.2/1.2 mil) <sup>(1)</sup></b> | <b>30µm/30µm (1.2/1.2 mil) <sup>(1)</sup></b> |
| <b>Resolution – DAM</b>    | <b>25µm (1 mil) <sup>(1)</sup></b>   | <b>50µm (2 mils) <sup>(1)</sup></b>           | <b>50µm (2 mils) <sup>(1)</sup></b>           |
| Resist Capability          | From 10 to 2,000 mJ/cm² and above  |   |   |
| Wavelength                 | 4 UV LED per Head/Channel : 365nm to 405nm   |   |   |
| Alignment                  | ± 12µm Side to Side Alignment<br>± 8µm Image to Panel (holes or pads) <sup>(2)</sup>       |   |   |
| CCD Cameras                | Image Alignment: Movable Cameras   "On the fly" Detection Process<br>Image DMD Calibration |   |   |
| Productivity               | Adix SA duo with BeamLight™<br>610x457mm @30mJ - 277 Sides/hour <sup>(3)</sup>             |   |   |
| Dimensions (mm) & Weight   | 2,900 (L) x 2,100 (W) x 1,900 (H) - 4.5T   |   |   |
| Automation                 | Altix PT/F - Pass Through / Flip Solution (optional)                                       |   |   |

(1) Depending on Photoresist, Surface Preparation and DES process

(2) With max deformation of the panel for tightest registration is ±0.004%

(3) Estimated time given as reference but can fluctuate according to the process adjustments



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**Imaging with us!**  
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