ALTIX
Direct Imaging & Contact Printers

**ADVANCED DIRECT IMAGING by ALTIX**

# ADIX SA supra

LEDs DMD

**Fully Automated**

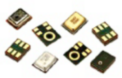
# DIRECT IMAGING LITHOGRAPHY

## FOR THE MOST ADVANCED FINELINE APPLICATIONS

**IC Substrate**

FCBGA
FCCSP

**Advanced Packaging**

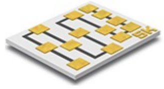


FOPLP
FOWLP

**PCB | Flex**

HDI | Ultra HDI
Advanced Flex

**Thin Film**



Resistor
Passive Component

**Micro-Structuring**

Semiconductor
MEMS

www.altix.fr

*Imaging with us!*

ADIX SA supra

LEDs DMD

4 UV LEDs in each photohead (PH)

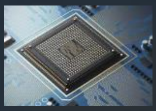
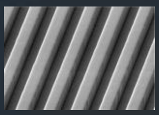
High accuracy registration

Print on all Types of photoresists

Intuitive & Friendly HMI

# FOR ADVANCED FINELINE APPLICATIONS

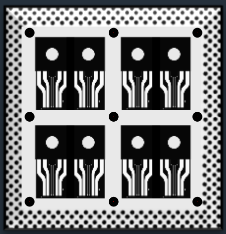
## ADIX SA supra

| | | |
|---|---|---|
| **Applications** | **IC Substrate \| Advanced Packaging \| HDI \| Advanced Flex \| Thin Film**<br>*Supports Flip-Chip BGA, Flip-Chip CSP & Modules manufacturing applications*<br>*Support FOPLP (Fan Out Panel Level packaging) \| RDL (Redistribution layer)* |  |
| **Material** | **Panel Substrate & Glass Carrier:** Up to 600x600mm \| 23.6’’x23.6’’<br>**Wafer:** Up to 300mm<br>**Thickness:** Up to 4mm \| 0.157’’ |  |
| **Resolution**<br>**Alignment** | **Line:** 8µm \| 0.3mil – **Pitch:** 20µm \| 0.8 mil – **SRO/Dam:** 30µm \| 1.2 mils<br>**Image to Panel:** ±7µm \| ±0.3mil |  |
| **Throughput** | 46 sides/hour with 30mJ/cm2 resist for 600x600mm (23.6’’x 23.6’’) [6 PH]<br>Data preprocessing in hidden time + High UV Power with 4 LEDs per PH |  |
| **Smart Features** | **SKATE**: Offline machine set-up: Job preparation – Reduce operator mistakes.<br>**Smart Automation**: Multiple-job management \| Direct & easy access to the machine for the operator to produce.<br>**Industry 4.0**: Auto-job preparation, system connectivity & remote access. | |

**Unique Features**

**Die Positioning Compensation**

DPC is a software designed to automatically adjust positioning and reroute tracks as needed for optimal die connection.



**Partitioning & Multi-Panel Mode**

Sub-area registration and printing: up to 16 areas. Scale & Align each sub-image.

**Email: sales@altix.fr – Website: www.altix.fr**

**Europe:**
**Altix France – Headquarters**
Manufacturing, Sales & Service
Europe, Africa, Middle East

**Asia**:
**Altix China**
Sales & Service
China, Taiwan, South-East Asia

**North America**:
**Altix North America, Inc.**
Sales & Service
United States, Canada, Mexico