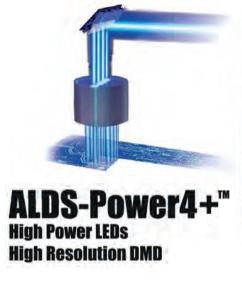
## ADIX SA

















4 LEDs wavelengths per Photo Head

Higher Precision
Reliability
Flexibility

## **Unique Solution for All Direct Imaging Applications**

Resolution



Down to 10µm | 0.4 mil

Registration



±8µm | ±0.3mil Image to Panel

High Throughput



≥ 5100 prints / day

**High Savings** 



-80% Cost of ownership





# ADIX **SA** for All Imaging Needs



Enhanced 4 LEDs Photo Heads for Higher **Productivity and Printing Quality** 

High Accuracy Registration

Print on All Types of Photoresists & Soldermasks

Lower Cost of Ownership

Fully Intuitive & Friendly HMI

## From 1 to 6 ALDS-Power4+™ Photo Heads - Upgradable on site

## ADIX SA Specifications

APPLICATIONS PCB • FPCB / Flex • Photo Chemical Milling • IC Substrate • Touch Panel Inner Layer • Outer Layer • Soldermask (PSR) Conventional **Imaging Resist Materials** & DI/LDI Specific Dry Film, Ink & Solder Resists From 10 to

**Resist Sensitivity** 1,250mJ/cm<sup>2</sup> and above

**Exposure Area** From 228 x 254mm up to 610 x 762mm • From 9"x10" up to 24"x30"

Panel Thickness 1.6 to 236mils

10/10µm • 0.4/0.4 mil(1) 20/20µm • 0.8/0.8 mil(1) **RESOLUTION - L/S** NA **RESOLUTION - DAM** 25µm (1mil) +0.5um **Edge Roughness** ±1,5µm 100µm Depth of Focus 200um

ALDS-Power4+™ **Light Engine** 

**Imaging Heads** From 1 to 6 Heads - Upgradable on site ±8mm Autofocus Exposure Spectrum 4 LEDs wavelengths per Photo Head

±0.3mil (Image to Panel Registration) ±0.5mil (Side to Side Registration) ±8um ALIGNMENT

- for Outer Layers (Alignment on 4 Holes) 2 Cameras

**CCD Cameras** for Soldermask Registration (Alignment on 4 Copper Targets) 3 Cameras for Inner Layers (Alignment on 3 Fiducials)

Real Time Scaling & Partitioning with all kinds of fiducials

THROUGHPUT

Exposure Time 14s with 30mJ/cm<sup>2</sup> resist for 457 x 610mm (18"x 24") image size and with 6 Heads (2) ALDS-Power4™ Data preprocessing in hidden time + High UV Power with 4 LEDs per Photo Head

SOFTWARE ALTIX Direct Imaging Suite™ with 22" touch screen **Data Input** Extended Gerber, ODB++ (option) - Others upon request

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

HIGH YIELD Air Cleanliness

Hepa Filter Class 100

Stainless Steel (Frames & Covers) GENERAL UTILITIES

**Power Supply** 220/400/480V 3 Phases 50/60Hz

**Power Consumption** 4kW

Air Supply 6 bars I1.5m3/min

Flow rate: 23l/min @ 12°C or 33l/min @ 14°C Water Supply Water pressure 3~5 bars

**Machine Weight** 3,500kg • 7,716lbs

Dimensions 2.870mm (L) x 1.750mm (W) x 1.870mm (H) • 113" (L) x 69" (W) x 74" (H)

#### **Unique Features**



#### **Unique Panel Holding**

Fully automated bar clamping system & vacuum table for holding all panels thicknesses and counteract warp &



#### **Highest Image Quality**

±8mm high dynamic autofocus and up to ±200µm depth of focus to overcome uneven topography surfaces



for best resolution and higher polymerization efficiency on all types of conventional dry film, ink or solder resists

### Highest Imaging Quality with ALDS™ Imaging on double or triple dry

film laminated layers

Excellent and sharp edges

#### Higher Registration: ±8µm



Real time scaling and partitioning to reach the highest local registration for very demanding application

#### Side to Side Registration:±12µm

Highest side-to-side registration on all area of the panels thanks to its unique way of registration



### **Higher Productivity**

4 UV LED wavelengths for the highest efficiency printing



#### **Smart Automation**

Fully automated systems and customized solutions for high mix, small, medium & mass production



Manufacturing, Sales & Service:

Altix France - HQ Email: central@altix.fr

#### Asia:

Shanghai, Kunshan, Zhuhai Offices

Email: central@altix.cn

#### North America:

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