ENHANCED CONTACT PRINTING
by ALTIX

ALTIX

ACURA **PREMIUM**

ALTIX

- PCB
- Sheet to Sheet
- FPCB / Flex
- IC Substrate
- Chemical Milling

A ALTIX

ACURA PREMIUM

LedLight

KAWA GmbH

Leiterplattentechnik / Industrievertretung

INDUSTRY 4.0

ALTIX LED Green Technology
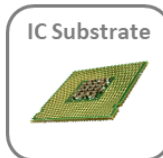
☑ Inner-Layer

☑ Outer-Layer

☑ Soldermask (PSR)

ACURA PREMIUM SERIES: MULTI-PROCESS DOUBLE SIDED SIMULTANEOUS EXPOSURE

Adaptability

Adaptability is at the center of the design. The machine boasts an amazing compact footprint considering the machine is double-sided.

Furthermore, Industry 4.0 integration with existing systems makes installation a breeze.

Moreover, glassmask and mylar artwork compatibility ensures maximum versatility.

Finally, the wide-angle rocking frame makes the operator's life easier by facilitating cleaning.
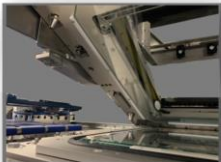
Reliable Productivity

On account of Altix's double-sided simultaneous exposure technology, the machine delivers up to 4 or 5 panels/minute while saving energy thanks to its LedLight™ durable UV sources .

In addition, the equipment's robust architecture coupled with our myAltix Customer Service Portal ensures maximum reliability.

Precision Control

The machine's precision capabilities described below are accompanied by a dual-screen HMI for maximum operator control. Meanwhile, the enhanced vacuum management contributes to our high accuracy registration system.

High Accuracy Registration System:
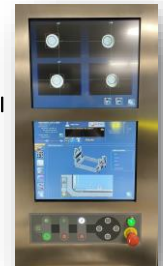I/L: ±5µm | ±0.2mil
Front to Back
O/L & S/M: ±8µm | ±0.3mil
Image to Panel

High Resolution:
Line & Space
I/L & O/L : 25µm | 1mil
S/M: 50µm | 2mil

Acura Premium Series

☑ **Dual Screen**　　　　☑ **Rocking Upper Frame**　　　　☑ **Small Footprint**

⬆⬇ **Ergonomic**
Possibility to switch both screens

✋ **Wide opening angle**
Easy and effortless way to check the exposure room

🧩 **Compact machine**
Architecture optimized for a reduced footprint

🖥 **Effective monitoring**
Displays all data and cameras' field of view
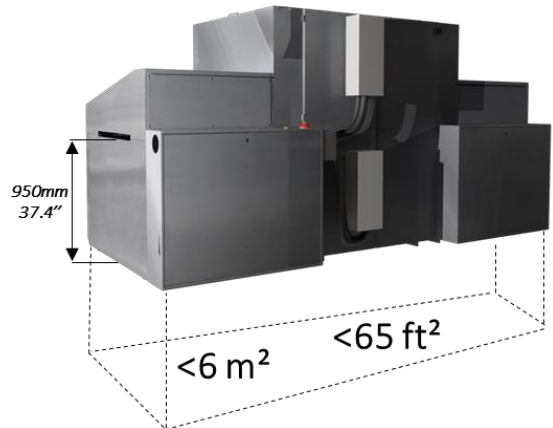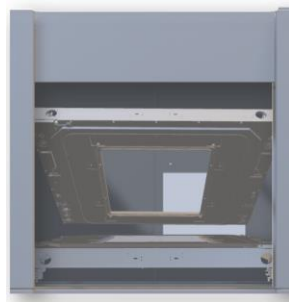
🧹 **Efficient cleaning**
Allows effective glass and artwork clean-up

📏 **Conveyor height**
Standard PCB height pass

⬤ **Multi-task**
Makes it easier to use multiple functions

950mm
37.4"

<6 m²

<65 ft²

Innovation Highlights

☑ **Full Vacuum Monitoring**   ☑ **Ergonomic & Clean Appearance**   ☑ **UV Light Source**

Artworks vacuum
Independent digital level

Robust structure
Full stainless steel body

LedLight™ Compatible

Vacuum between glasses
Live mode available for on-demand monitoring

Safer transportation
Rails integrated to ease handling

ColliLight™ Compatible

☑ **Advantages of Altix Simultaneous Double-Sided Exposure**

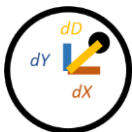**Artworks compatibility check**

Both artwork under the same environmental conditions

Alignment checked before exposure

Minimal set-up time: <2min.

Better accuracy & repeatability top/bottom ±5µm

Minimum risk: no flipping station

Acura Premium Series Specifications

Application	Inner Layer (I/L)	Outer Layer (O/L)	I/L & O/L	Soldermask (PSR)
Exposure Area	Up to 610 x 762mm		Up to 24 x 30''	
Panel Thickness	0.05 - 6mm		0.002 - 0.236''	
Resolution	Min. Dam 25µm Min. Dam 1mil			Min. Dam 50µm Min. Dam 2mil
Light Engine	LedLight™ | ColliLight™ (5kW or 8kW)			Mach 5®
Light Intensity	≥ 50mW/cm² | ≥ 25mW/cm² * or ≥ 40mW/cm² *			≥ 150mW/cm²
Exposure Spectrum	365nm | 350-430nm			Up to 5 LED Wavelengths 365 to 435nm
Exposure Contact	Soft or Hard Contact Vacuum		CMI™ Available	
Throughput**	Up to 5 panels/min			Up to 4 panels/min
Alignment (After Vacuum)	±5µm ±0.20mil AW/AW ±8µm ±0.32mil AW/Web ±3µm ±0.12mil Repeatability			±8µm ±0.32mil Image to Panel
Software	ALTIX Imaging Suite with Dual 17 ''Touch Screen			
Temperature Control	Exposure Area Cooling System – Room Temperature [0 ; +3°C]			
Air Supply	6-7 bars 1.5m³/min			
Power Consumption	6kW | 17kW or 25kW			12kW – Chiller Included
Water Supply	20-30L/min | 20-30L/min or 50-80L/min @ 3 bars			5L/min
Machine Weight	2,200kg 4850lbs | 4,750kg 10,472lbs			2,500kg 5,512lbs

ALTIX

30 years of innovation and performance!

Imaging with us!

Light Engines

LedLight™MACH5	2020
ALDS-Power4+™	2018
LedLight™MACH3	2017
ALDS-Power4™	2016
ALDS	2015
LedLight™	2012
OptiLight™	2009
Diffuse™	1997
ColliLight™	1992

Product Launches

Year	Product
2021	Acura Premium Series
2019	Adix SA neo / Adix RtR
2018	Adix CS / F / Adix PT / F
2017	Afosa LedLightMach3 / Acura LedLightMach3
2016	Acura Premium
2015	Adix SA
2014	AcuReel
2013	Afosa LED
2012	AcuraDSS
2011	Acura LedLight
2007	Acura
2005	Arrow
2002	Afosaie
1996/98	Evol2b / Evol2b RtR
1993	Evolution 1

www.altix.fr
www.kawa-gmbh.com

La FRENCH FAB

Made in France