



ANCHOR INDIA
AUTOMATIONS



PRECISION WITHOUT COMPROMISE

AIA Flexo CTP

Direct-to-plate laser imaging at 4800 DPI. Razor-sharp dots, smooth gradients and repeatable results at production speed – with film removed from the plate room entirely.

SERIES	MAX. PLATE	THROUGHPUT	SUPPLY
AIA5080	2032 × 1270 mm (80 × 50 in)	4 m ² /h – 8 m ² /h	380 V AC 50/60 Hz
AIA6048	1524 × 1270 mm (60 × 50 in)	1.3 m ² /h – 4.0 m ² /h	380 V AC 50/60 Hz
AIA940	940 × 675 mm (37 × 26 in)	1.3 m ² /h – 2.6 m ² /h	220 V AC 50/60 Hz



HOW TO CHOOSE

Pick the series by your largest plate

Within a series every parameter is identical except throughput, so the decision is made in two steps: choose the series that covers your largest plate, then choose the model that matches your daily plate volume.

AIA5080**2032 × 1270 mm (80 × 50 in)**

Wide-format packaging · 3 models · 4 m²/h – 8 m²/h

Wide-web packaging and corrugated pre-print, where plate size and hourly output both matter.

AIA6048**1524 × 1270 mm (60 × 50 in)**

Mid-format all-rounder · 3 models · 1.3 m²/h – 4.0 m²/h

General flexo work that spans labels through medium packaging on a single imager.

AIA940**940 × 675 mm (37 × 26 in)**

Compact, single-phase · 2 models · 1.3 m²/h – 2.6 m²/h

Narrow-web label houses and trade-mark work. Runs on a single-phase supply, so no three-phase connection is needed.

COMMON TO EVERY MODEL

Shared platform

RESOLUTION	SCREENING	INTERFACE	LOADING	WORKFLOW	ENVIRONMENT
4800 DPI	AM / XM / flat-top dot	Gigabit Ethernet	Manual loading	Standard PDF / TIFF RIP	18–30 °C, 40–70% RH

WHY IT MATTERS

What direct-to-plate changes

- 1 Cleaner highlight dots and smoother vignettes
- 2 Repeatable registration across plate batches
- 3 Reduced film, chemistry and turnaround time



FULL TECHNICAL PARAMETERS

All eight models, side by side

Read down a column for one series, or across a row to compare. Only the models and throughput row differs within a series.

PARAMETER	AIA5080	AIA6048	AIA940
Models & throughput	AIA5080-48 4 m ² /h AIA5080-64 5 m ² /h AIA5080-96 8 m ² /h	AIA6048-16 1.3 m ² /h AIA6048-32 2.6 m ² /h AIA6048-48 4.0 m ² /h	AIA940-16 1.3 m ² /h AIA940-32 2.6 m ² /h
Max. plate size	2032 × 1270 mm (80 × 50 inches)	1524 × 1270 mm (60 × 50 inches)	940 × 675 mm (37 × 26 inches)
Plate thickness	0.11 ~ 6.35 mm	0.11 ~ 6.35 mm	0.11 ~ 4.70 mm
Output media	Digital flexographic water-washable letterpress plates; digital flexographic water-washable plates; digital flexographic solvent-washable plates; dry film	Digital flexographic water-washable letterpress plates; digital flexographic water-washable plates; digital flexographic solvent-washable plates; dry film	Digital flexographic water-washable letterpress plates; digital flexographic water-washable plates; digital flexographic solvent-washable plates; thermal (0.15 mm) CTP plates; dry film
Application	Label printing, trade mark, packaging	Label printing, trade mark, packaging	Label printing, trade mark
Resolution	4800 DPI	4800 DPI	4800 DPI
Loading method	Manual loading	Manual loading	Manual loading
Interface	Gigabit Ethernet	Gigabit Ethernet	Gigabit Ethernet
External dimension	L × W × H = 3500 × 1630 × 1100 mm, 2700 kg	L × W × H = 2750 × 1550 × 1100 mm, 2200 kg	L × W × H = 1425 × 980 × 1150 mm, 750 kg
Power supply	380 V AC 50/60 Hz, 10 kW peak	380 V AC 50/60 Hz, 7 kW peak	220 V AC 50/60 Hz, 5 kW peak (single phase)
Environment	Temperature 18–30 °C, humidity 40–70% non-condensing	Temperature 18–30 °C, humidity 40–70% non-condensing	Temperature 18–30 °C, humidity 40–70% non-condensing

Throughput figures are quoted per model at 4800 DPI and are material dependent. AIA5080 figures are quoted as performance.



THE REST OF THE PLATE ROOM

Equipment that pairs with Flexo CTP

AIA Scanning LED Exposure

Scanning, multi-light UV-LED exposure with an integrated cooling bed and full vacuum draw-down, purpose-built for flat-top dot formation.

LED Tube Exposure

UV-A LED main exposure unit with a pneumatic lifting cover and a cooled aluminium bed, giving even exposure across large formats without heat build-up.

Inline Plate Processor

Solvent brush-washout processor that removes unexposed polymer with controlled mechanical and chemical action, built inline for repeatable relief depth.

Dryer + Light Finisher

Combined thermal drying and UV light-finishing unit that stabilises plate hardness and removes surface tack after processing.

Gravure Engraver

Precision engraving system for gravure cylinders, cutting cell geometry directly into the copper layer for accurate tone and ink transfer.

Ultrasonic Hardness Tester

Portable ultrasonic contact impedance (UCI) tester that verifies roller, cylinder and finished-part hardness on the production floor, with almost no indentation.

IGBT Plating Rectifiers

High-frequency, IGBT switch-mode DC rectifiers for copper and chrome plating of gravure cylinders, delivering stable current at high efficiency.

Ready to specify a system?

Tell us your plate sizes, daily volume and quality targets and we will recommend the right model.

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Specifications are nominal and model dependent, and may change without notice as products are developed. Confirm all figures against a written quotation before they are relied upon for plant layout, electrical provision or purchase.

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