



AVALON 4-UP THERMAL PLATESETTERS



A compact powerhouse designed to bring automation and cutting-edge imaging capabilities to commercial and packaging printers.

The Avalon E4 thermal computer-to-plate system handles plates up to 800 x 660 mm, boasting a remarkable throughput of up to 21 plates per hour. Experience its streamlined operation and uncompromising image quality to tackle the most demanding print jobs with increased profitability. The optional inline punching system and single-cassette loader provide maximum convenience and automation. The Avalon E4 is part of ECO3's fully integrated prepress solutions that come complete with plates, processors or clean-out units, screening technologies and workflow software.

**YOU
PRINT.
WE
CARE.**

Exceptional print quality and speed

The Avalon E4 utilizes multi-channel fiber-coupled thermal laser-diode technology, providing precise dot reproduction on the plate for print quality up to 240 lpi Sublima screening. With 24 or 32 channels, the Avalon E4 delivers a maximum plate output of up to 16 or 21 plates per hour.

Efficient space utilization

Thanks to its compact footprint, the Avalon E4 with auto-loader occupies just four square meters in your prepress area.

Process automation

Empower your operators with flexibility. Load a plate while imaging another, leaving the unit unattended. As the first plate exits the drum, the second plate automatically enters the system - all without requiring operator intervention.

A single-cassette loader significantly improves plate loading efficiency. Activate the inline press punch before loading the plate onto the external drum. After imaging, plates are seamlessly guided into an online processor or clean-out unit.

MODEL	AVALON E4-30 S	AVALON E4-30 XT
Imaging technology	24-channel laser diodes	32-channel laser diodes
Laser type	830 nm thermal laser diodes	830 nm thermal laser diodes
Recording system	External drum	External drum
Press punch	max 3 units	max 3 units
RESOLUTION		
1200 dpi	n/a	n/a
2400 dpi	yes	yes
2438 dpi	n/a	n/a
2540 dpi	n/a	n/a
THROUGHPUT		
Throughput pph (745 mm x 605 mm, 2400 dpi)	17	21
PLATE LOADING & UNLOADING CONFIGURATION		
Manual loading	yes	yes
Semi-manual loading	yes	yes
Automatic (autoloader)	yes	yes
Pallet loader	n/a	n/a
Manual unloading	yes	yes
In line unloading	yes	yes
PLATE CHARACTERISTICS		
Min plate size (along drum x around drum)	300 mm x 300 mm (11.8" x 11.8")	300 mm x 300 mm (11.8" x 11.8")
Max plate size (along drum x around drum)	800 mm x 660 mm (31.5" x 26")	800 mm x 660 mm (31.5" x 26")
Thickness	0.15 mm-0.3 mm (6-12 mil)	0.15 mm-0.3 mm (6-12 mil)
Max exposure size (along drum x around drum)	780 mm x 660 mm (30.7" x 26")	780 mm x 660 mm (30.7" x 26")
Max exposure size (along drum x around drum)	780 mm x 660 mm (30.7" x 26")	780 mm x 660 mm (30.7" x 26")
Weight	Standalone: 690 kg CtP + autoloader: 765 kg	Standalone: 690 kg CtP + autoloader: 765 kg
Size (w x d x h)	Standalone: 1,537 x 2,332 x 1,341 mm CtP + autoloader: 1,537 x 2,541 x 1,341 mm	Standalone: 1,537 x 2,332 x 1,341 mm CtP + autoloader: 1,537 x 2,541 x 1,341 mm
Autoloaders		
Plate capacity	100	
Number of cassettes	1	
Minimum plate size	300 mm x 300 mm (11.8" x 11.8")	
Maximum plate size	800 mm x 660 mm (31.5" x 26")	
Environment (CtP and autoloader)		
Temperature range	Recommended: 21-25 °C	
Humidity range	40-70 % RH (no condensation)	
Power	Single-phase 200-240 V, 15A	