



AVALON C8

8-UP THERMAL PLATESETTERS



Take your print production to the next level with the Avalon C8 thermal CTP series—built for commercial and packaging printers who demand efficiency and quality.

Avalon C8 platesetters deliver dependable, high-quality thermal CTP imaging using fiber-coupled laser diode technology, an ideal solution for businesses looking for proven performance and cost-effective operation. With a wide range of models, Avalon C8 offers flexible throughput options to match various production needs.

ECO3 offers the Avalon C8 systems as part of a complete solution, including offset plates, Apogee or Amfortis workflow software, screening technologies and support contracts.

YOU
PRINT.
WE
CARE.

Optimized for performance and value

Available in seven different versions and with throughput speeds from 24 to 70 plates per hour, the Avalon C8 scales to match your production needs—whether you're expanding your business or operating at peak capacity.

High-quality imaging

Advanced fiber-coupled laser technology ensures every plate delivers exceptional image quality, even for the most demanding print jobs. The integrated punching system

guarantees consistent accuracy and minimizes costly misregistration issues on the press.

Flexible automation options

The compact footprint of the Avalon C8 makes it a smart fit for any production environment. Offering a wide range of loading options, it adapts seamlessly to your setup—choose from manual loading, an autoloader or multi-cassette loaders. For high-volume operations, a pallet loader or robotic plate loader provides maximum efficiency.

MODEL	AVALON C8-30	AVALON C8-90
Imaging technology	C8-30 E: 48-channel laser diodes C8-30 ES: 64-channel laser diodes C8-30 S: 72-channel laser diodes C8-30 XT: 96-channel laser diodes C8-30 XXT: 128-channel laser diodes	C8-90 S: 96-channel laser diodes C8-90 XT: 128-channel laser diodes
Laser type	830 nm thermal laser diodes	
Recording system	External drum	
Press punch	Optional, max. 3 sets	
Resolutions	2400 dpi (Other resolutions are optional)	
THROUGHPUT		
Throughput (1030 x 800 mm, 2400 dpi)	C8-30 E: 24 plates per hour C8-30 ES: 30 plates per hour C8-30 S: 33 plates per hour C8-30 XT: 40 plates per hour C8-30 XXT: 47 plates per hour	C8-90 S: 55 plates per hour C8-90 XT: 70 plates per hour
PLATE LOADING & UNLOADING CONFIGURATION		
Manual loading/unloading	Yes	No
Autoloader options	Avalon C8 ALS Avalon C8 ALM3 Avalon C8 ALM5 Avalon C8 PL Avalon C8 EL	Avalon C8 ALS Avalon C8 PL
Robotic plateloading	Optional	Optional
PLATE CHARACTERISTICS		
Min. plate size (along x around drum)	300 x 300 mm (11.81 x 11.81")	450 x 370 mm (17.72 x 14.57")
Max. plate size (along x around drum)	1,163 x 940 mm (45.79 x 37")	1,163 x 940 mm (45.79 x 37")
Thickness	0.15 - 0.3 mm (6-12 mil)	
Max. exposure size (along x around drum)	1,163 x 928 mm (45.79 x 36.53")	1,163 x 928 mm (45.79 x 36.53")
Dimensions of stand-alone CtP device		
Weight	1,150 kg (2,535 lb)	
Size (w x d x h)	2,700 x 1,900 x 1,150 mm (78.35 x 64.96 x 42.13")	
Environment (CtP and autoloader)		
Temperature range	Recommended: 18-26 °C	
Humidity range	40-60 % RH (no condensation)	
Power	Single-phase 220-240 V, 4.5 kW	Single-phase AC 220 V, 9 kW

AUTOLOADERS	C8 ALS	C8 ALM3	C8 ALM5	C8 PL	C8 EL
Plate capacity (0.3 gauge)	200 plates	3 x 50 plates	5 x 50 plates each	1,200 plates	1 or 2 x 1,200 plates
Number of cassettes	1 cassette	3 cassettes	5 cassettes	1 pallet	1 pallet, opt. 1 cassette 2 pallets, opt. 2 cassettes
Minimum plate size	370 x 370 mm (14.57 x 14.57")	280 x 280 mm (11 x 11")	280 x 280 mm (11 x 11")	370 x 370 mm (14.57 x 14.57")	740 x 605 mm (29.13 x 23.81")
Maximum plate size	1,163 x 940 mm (45.79 x 37")	1,163 x 940 mm (45.79 x 37")	1,163 x 940 mm (45.79 x 37")	1,163 x 940 mm (45.79 x 37")	1,163 x 940 mm (45.79 x 37")
Weight	580 kg (1,278 lb)	670 kg (1,477 lb)	770 kg (1,697 lb)	620 kg (1,366 lb)	750 kg (1,654 lb)
Size (w x d x h)	1,930 x 1,170 x 1,150 mm (75.98 x 46.06 x 45.28")	1,850 x 1,225 x 1,100 mm (72.83 x 48.22 x 43.30")	1,850 x 1,225 x 1,100 mm (72.83 x 48.22 x 43.30")	1,910 x 1,750 x 1,260 mm (75.2 x 68.9 x 49.6")	2,930 x 1,850 x 1,550 mm (115.4 x 72.8 x 61")