



- **Avalon N8-24 S**
- **Avalon N8-20 Sc**
- **Avalon B8-24 S**

The Avalon N series consists of platesetters with a reputation for solid dependability securing stable quality plate imaging for your printing business.

Avalon N8-24 S is a platesetter with a full assortment of automation options and many productivity options such as internal punching.

Avalon N8-20 Sc is the perfect starter model with a built-in dual-load and unload tray for extra operator autonomy and automation.

Avalon B8-24 S is based on the reliable external drum Avalon N architecture and proven fibre-coupled technology, to breach all records of cost effectiveness. The manual loading Avalon B8-24 S is a robust, entry-level output device with on- or offline processing allowing the prepress operator to image 23 pph size 8-up.



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IMAGER	N8-24 S	N8-20 Sc	B8-24 S
Models	64 beams	64 beams	64 beams
Imaging System	64 channel Fiber coupled		
Laser technology	830 nm Thermal Laser Diodes		
Recording system	External drum		
Resolution	1200 - 2400 dpi		2400 dpi
PLATE SIZES			
Maximum plate (lead edge x wrap) <small>* N8-20 Sc can not use plate widths between 570mm and 624mm</small>	1160 x 940mm	1150 x 940mm *	1060 x 830mm
Minimum plate (lead edge x wrap) <small>* N8-20 Sc can not use plate widths between 570mm and 624mm ** (option In case of expose small size plate (width of less than 450mm), drum rotation limits up to 600rpm (productivity will drop))</small>	450 x 370mm 304 x 370mm	450 x 370 mm * 304 x 370 mm **	450 x 370 mm Not available
Thickness <small>* 0.4mm support option is field option ** using 0.4mm plate, exposure drum speed is max 600 rpm, lower productivity</small>	0,15 - 0,30mm/0,4mm *	0,15 - 0,30mm **	0.15 - 0.30mm
Imaging size - max <small>*Drum rotation limits up to 600 rpm</small>	1160 x 916 mm (grip 12/12mm) 1160 x 920 mm (grip 8/12mm) *	1150 x 916 mm (grip 12/12mm) 1150 x 920 mm (grip 8/12mm) *	1060 x 806 mm (grip 12/12mm) 1060 x 810 mm (grip 8/12mm) *
PLATES			
Approved Agfa Graphics plates	Azura TS, Azura TU, Amigo TS, Energy Elite, Energy Elite Pro, Energy Xtra, Thermostar P970		
TROUGHPUT *			
:Energy Elite 1030 x 800 mm, 2400 dpi	23 pph	22 pph	23 pph
*Throughput can be affected by plate sensitivity, screening and other factors. Contact your Agfa Graphics representative for more detail.			
INTERNAL PUNCHING			
Option <small>* N8 – 20 Sc model does not have registration punch as standard. When press punch is installed, the Registration Punch (option) is required.</small>	max 8	max 8*	Not available
PHYSICAL SPECIFICATIONS			
Dimensions (WxDxH)	2446 x 1295 x 1390 mm	2440 x 1295 x 1302 mm	2500 x 1820 x 1453 mm
Approx. Weight	1150 kg (2530 lbs)		945 kg (2083 lbs)
ENVIRONMENT			
Power requirements	220 – 240 V <small>A power supply is supplied from a main unit to AL S (AL M) / CO S (CO LR/LL) / BU-800</small>		
Temperature range	18° to 26°C (64,4° to 78,8°F)		
Humidity range	40% to 70% RH (not condensing)		
OPTION ITEM			
	N8-24 S	N8-20 Sc	B8-24 S
Registration Punch unit	Standard	Option (Mandatory for press punching)	Not available
Small size plate support	Standard	Option (Register punch mandatory)	Not available
Cleaning Roller unit	Standard	Option (Mandatory for Press punch)	Not available
Autoloader connection kit	Standard	Option (Mandatory for autoloading)	Not available
Rear discharge unit	Standard	Option (Mandatory for online processing)	Standard
FEED TRAY			
	Option (Rear discharge unit required)		Standard
SIGNAL TOWER			
Status indicator	Standard	Option	Not available
AL S			
Single-cassette autoloader	Option (Autoloader connection kit required)		Not available
AL M			
Multi-cassette autoloader	Option (Autoloader connection kit required)		Not available
CO C			
Build-in conveyor (for online processing)	Option (Rear discharge unit required)		Standard
CO S			
Straight conveyor	Option (Rear discharge unit required)		Not available
CO LR/LL			
L-conveyor (Right)	Option (Rear discharge unit required)		Not available
L-conveyor (Left)	Option (Rear discharge unit required)		Not available
AIR FILTER N			
	Option		Not available

Avalon N8 Autoloaders:

Reliable 8-up plateloading systems for increased productivity. A full array of Plateloading automation systems for the Avalon N8 series of 8-up thermal platesetters.

These solutions offer innovative and user friendly designs for maximum operator utilization.