

:AVALON N8

Agfa Graphics' :Avalon N series of thermal external drum platesetters offers the most complete range in the industry featuring laser technology most appropriate to the application. The :Avalon N is a platesetter with a reputation for solid dependability with a full assortment of automation options and many productivity options such as internal punching also available. The :Avalon N8 line includes systems with the highest productivity in their class.



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| N8-10 series
- Full featured entry level models for customers requiring fewer plates per day.
- Supports all Agfa Graphics plates including ThermoFuse.
- A full array of automation options is available | N8-20 series
- Full featured mid-level models for customers requiring medium productivity.
- Supports all Agfa Graphics plates including ThermoFuse.
- A full array of automation options is available | N8-50 series
- Full featured models featuring GLV imager technology using 512 beams for customers requiring high productivity.
- Supports all Agfa Graphics plates including ThermoFuse.
- A full array of automation options is available | N8-70 series
- Full featured models featuring GLV imager technology using 1024 beams for customers requiring the highest productivity available.
- Supports all Agfa Graphics plates including ThermoFuse.
- A full array of automation options is available |
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MODELS

Technology	External drum				External drum				External drum				External drum			
Laser technology	830 nm Thermal				830 nm Thermal				830 nm Thermal				830 nm Thermal			
Models and resolutions	N8-10 - E		2400 dpi		N8-20-E		2400 dpi		N8-50-E		2400 dpi, (4000 dpi factory option)		N8-70-XT		2400 dpi	
	N8-10 - S		2400 dpi, 4000 dpi		N8-20-S		2400 dpi		N8-50-S		2400 dpi, (4000 dpi factory option)					
					N8-20-Sr		2400 dpi, 4000 dpi		N8-50-XT		2400 dpi, (4000 dpi factory option)					

PLATE SIZES (Platesetter and Auoloaders)

Maximum plate (lead edge x wrap)	1,160 x 940 mm (45.6 x 37.0 in)	1,160 x 940 mm (45.6 x 37.0 in)	1,160 x 940 mm (45.6 x 37.0 in)	1,160 x 940 mm (45.6 x 37.0 in)
Minimum plate (lead edge x wrap) (option for smaller plate support available)	450 x 370 mm (17.8 x 14.6 in)	450 x 370 mm (17.8 x 14.6 in)	450 x 370 mm (17.8 x 14.6 in)	450 x 370 mm (17.8 x 14.6 in)
Thicknesses (options for 0.4 mm support available)	0.15 to 0.3 mm (6 to 12 mil)	0.15 to 0.3 mm (6 to 12 mil)	0.15 to 0.3 mm (6 to 12 mil)	0.15 to 0.3 mm (6 to 12 mil)

PLATES

Approved Agfa Graphics plates	:Thermostar P970 :Energy Elite :Azura :Azura TS :Amigo :Ampio	:Thermostar P970 :Energy Elite :Azura :Azura TS :Amigo :Ampio	:Thermostar P970 :Energy Elite :Azura :Azura TS :Amigo :Ampio	Thermostar P970 :Energy Elite :Azura :Azura TS :Amigo :Ampio
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PLATEHANDLING CONFIGURATIONS

Plate loading				
Semi-automatic manual loading	Yes	Yes	Yes	Yes
Single cassette Autoloader	Yes	Yes	Yes	Yes
Multi cassette Autoloader	Yes	Yes	Yes	Yes
Plate unloading				
Manual unload	Yes	Yes	Yes	Yes
On-line processor (OLP)	Yes	Yes	Yes	Yes

THROUGHPUT

1030 x 800 mm plate, 2400 dpi (throughput affected by plate sensitivity, screening and other factors, contact your Agfa Graphics representative for more detail)												
	:Thermostar P970, :Energy Elite, :Ampio		N8-10-E 8 pph N8-10-S 13 pph		N8-20-E 14 pph N8-20-S/Sr 22 pph		N8-50-E 23 pph N8-50-S 31 pph N8-50-XT 40 pph		N8-70-XT 48 pph			

INTERNAL PUNCHING

Option	Yes, support for up to 4 sets of punches. Most common punches available	Yes, support for up to 4 sets of punches. Most common punches available	Yes, support for up to 4 sets of punches. Most common punches available	Yes, support for up to 4 sets of punches. Most common punches available
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SIZE AND WEIGHT

Dimensions (W x D x H) main unit	2,440 x 1,295 x 1,302 mm (96.1 x 51.0 x 51.3 in.)	2,440 x 1,295 x 1,302 mm (96.1 x 51.0 x 51.3 in.)	2,440 x 1,295 x 1,302 mm (96.1 x 51.0 x 51.3 in.)	2,440 x 1,295 x 1,302 mm (96.1 x 51.0 x 51.3 in.)
Approx Weight	Approx. 1,150 kg (2,530 lbs.)	Approx. 1,150 kg (2,530 lbs.)	Approx. 1,150 kg (2,530 lbs.)	Approx. 1,150 kg (2,530 lbs.)



:AVALON N8

Autoloaders

: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.

	N8-N10 Series / N8-N20 Series		N8-N50 Series / N8-N70 Series	
ENVIRONMENT (platesetter and Autoloader)				
Temperature range	Recommended	21° to 25° C (69.8° to 77.0° F)	Recommended	21° to 25° C (69.8° to 77.0° F)
	Required	18° to 26° C (64.4° to 78.8° F)	Required	18° to 26° C (64.4° to 78.8° F)
Humidity range	40% to 70% RH (non-condensing)		40% to 70% RH (non-condensing)	
Power (main unit with Autoloader)	Voltage range	220 to 240 volts	Voltage range	220 to 240 volts
	Phase	Single phase	Phase	Single phase
	Amperage	32 amps	Amperage	21 amps
	Frequency	50 or 60 Hz	Frequency	50 or 60 Hz

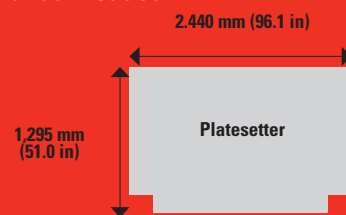
	Single Cassette Autoloader		Multi Cassette Autoloader	
	A single cassette autoloader allowing unattended operation and automatic slip sheet removal with less investment		A multi cassette solution with up to 5 cassettes on-line for high production with minimum labor.	
Models and Applicability				
Model	N8-AL S		N8-AL M	
Applicability	:Avalon N8 10 Series	Yes	:Avalon N8 10 Series	Yes
	:Avalon N8 20 Series	Yes	:Avalon N8 20 Series	Yes
	:Avalon N8 50 Series	Yes	:Avalon N8 50 Series	Yes
	:Avalon N8 70 Series	Yes	:Avalon N8 70 Series	Yes
Description				
Cassettes	Max number on line	1 cassette	Max number on line	up to 5 cassettes
			Included	3 cassettes
Plates per cassette	0.15 mm	100 plates	0.15 mm	100 plates
	0.2 mm	100 plates	0.2 mm	100 plates
	0.3 mm	100 plates	0.3 mm	100 plates
	0.4 mm	75 plates	0.4 mm	75 plates
	Between 450 x 370 and 304 x 370 mm	50 plates	Between 450 x 370 and 304 x 370 mm	50 plates
Removable cassettes	Yes		No	
Cassette carrier available	Yes, Included			
Slip sheet removal	Included	Yes, standard	Included	Yes, standard
	Capacity	Approx. 100 sheets	Capacity	Approx. 100 sheets
Plate sizes				
Maximum plate	1160 x 940 mm 45.6 x 37.0 in.		1160 x 940 mm 45.6 x 37.0 in.	
Minimum plate	Standard	450 x 370 mm (17.8 x 14.6 in.)	Standard	450 x 370 mm (17.8 x 14.6 in.)
	Small Plate Option	304 x 370 mm (12.0 x 14.6 in.)	Small Plate Option	304 x 370 mm (12.0 x 14.6 in.)
Thicknesses	Std	0.15 to 0.3 mm (6 to 12 mil)	Std	0.15 to 0.3 mm (6 to 12 mil)
	Option	0.15 to 0.4 mm (6 to 16 mil)	Option	0.15 to 0.4 mm (6 to 16 mil)
Physical Specifications				
Dimensions (W x D x H)	1,758 x 1,806 x 1,295 mm 69.2 x 71.1 x 51.0 in.		3,213 x 1,806 x 1,295 mm 126.5 x 71.1 x 51.0 in.	
Approx Weight (no plates)	530 kg 1,168 lbs.		1,250 kg 2,750 lbs.	
Temperature range	Recommended	21° to 25° C 69.8° to 77.0° F	Recommended	21° to 25° C 69.8° to 77.0° F
	Required	18° to 26° C 64.4° to 78.8° F	Required	18° to 26° C 64.4° to 78.8° F
Humidity range	40% to 70% RH (non-condensing)		40% to 70% RH (non-condensing)	
Power	Powered by main unit		Powered by main unit	
Options				
Small plate support	Yes		Yes	
0.4 mm support	Yes		Yes	
Additional cassettes	Yes		Yes	
Cassette carrier (transport)	Yes		Yes	
Cassette covers (for protection against dust)	Yes		Yes	
Field Upgradability				
To small plate support	Yes		Yes	
To 0.4 mm support	Yes		Yes	

SYSTEM LAYOUTS

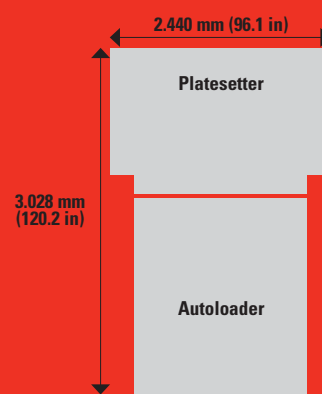
Shown below are main system components only. Contact your Agfa Graphics representative for:

- more detailed layouts including processors, conveyors, chiller, blower and other components.
- detailed site requirements including service space requirements

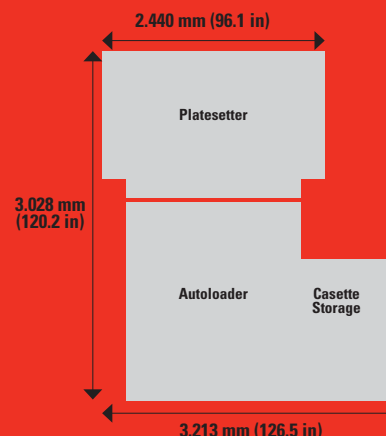
Manual Loaded



Single Cassette Autoloader System



Multi Cassette Autoloader System



STAY AHEAD. WITH AGFA GRAPHICS.

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