

: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 N-8 line includes systems with the highest productivity in their class.



N8-10 series	N8-20 series	N8-50 series	N8-70 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	- 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	- 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	- 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

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 plates	:P-970 :Energy Elite :Azura :Amigo	:P-970 :Energy Elite :Azura :Amigo	:P-970 :Energy Elite :Azura :Amigo	:P-970 :Energy Elite :Azura :Amigo
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PLATEHANDLING CONFIGURATIONS

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

THROUGHPUT

1030 x 800 mm plate, 2400 dpi (throughput affected by plate sensitivity, screening and other factors, see Agfa for more detail)	N8-10-E		N8-20-E		N8-50-E		N8-70-XT	
P-970, :Energy Elite, :Amigo	N8-10-E	8 pph	N8-20-E	14 pph	N8-50-E	23 pph	N8-70-XT	48 pph
	N8-10-S	13 pph	N8-20-S/Sr	22 pph	N8-50-S	31 pph		
					N8-50-XT	40 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.)



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Autoloaders

:Avalon N-8 Autoloaders: Reliable 8-up plateloading systems for increased productivity. A full array of Plateloading automation systems for the :Avalon N-8 series of 8-up thermal platesetters. These solutions offer innovative and user friendly designs for maximum operator utilization.

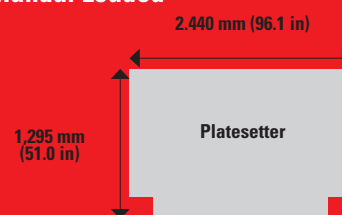
	N8-N10 Series / N8-N20 Series		N8-N50 Series / N8-N70 Series	
ENVIRONMENT (platesetter and Autoloader)				
Temperature range	Recommended	21° to 25° C (69.8° to 77.0° F)	Recommended	21° to 25° C (69.8° to 77.0° F)
	Required	18° to 26° C (64.4° to 78.8° F)	Required	18° to 26° C (64.4° to 78.8° F)
Humidity 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

Models and Applicability	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.				
Model	N-8-AL S		N-8-AL M				
Applicability	:Avalon N-8 10 Series	Yes	:Avalon N-8 10 Series	Yes			
	:Avalon N-8 20 Series	Yes	:Avalon N-8 20 Series	Yes			
	:Avalon N-8 50 Series	Yes	:Avalon N-8 50 Series	Yes			
	:Avalon N-8 70 Series	Yes	:Avalon N-8 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					
	Cassette covers (for protection against dust)	Yes					
	Field Upgradability						
To small plate support	Yes		Yes				
To 0.4 mm support	Yes		Yes				

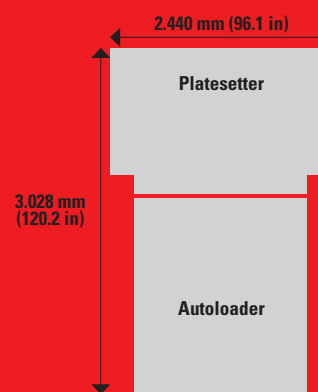
SYSTEM LAYOUTS

Shown below are main system components only. - See Agfa for more detailed layouts including processors, conveyors, chiller, blower and other components. - See Agfa also for detailed site requirements including service space requirements.

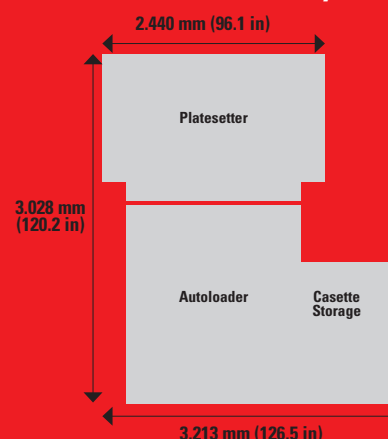
Manual Loaded



Single Cassette Autoloader System



Multi-Cassette Autoloader System



STAY AHEAD. WITH AGFA GRAPHICS.

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