

Next generation of quality and efficiency driven thermal plate production engines

:Avalon LF Thermal



:Avalon Brings Your Operation into the Next Generation

Dramatic advances in imaging technology and experience in the demands of platesetting have allowed Agfa to deliver a new era of accuracy and efficiency with :Avalon. Agfa's HD Imaging Head, automatic calibration and an advanced operator control terminal are just a few of the new features that improve output quality, increase productivity, and ultimately, allow you to satisfy more customers more profitably.

Stay Ahead. With :Avalon.

:Avalon LF platesetter specifications

Imaging System	830nm infrared thermal with Grating Light Valve™ (GLV)	
	Minimum plate size	Maximum plate size
Avalon LF Engine manual load	9.8" x 12.2" (250 mm x 310 mm)	45.7" x 32.2" (1160 mm x 820 mm)
PlateManager	14.9" x 12.2" (380 mm x 310 mm)	44.5" x 32.2" (1130 mm x 820 mm)
JLA	9.8" x 12.2" (250 mm x 310 mm)	44.5" x 32.2" (1130 mm x 820 mm)
	* 250mm is the lead edge and 310mm is the around the drum, other processor restrictions may apply. ** 1130mm when used with option internal punching. *** 380 mm is the lead edge and 310 mm is around the drum, other processor restrictions may apply, (for smaller plates please contact factory)	
Thickness Supported	0.15 – 0.40 mm (0.006– 0.016")	
Approved plates	:Thermostar P970, LT2, :Ampio, :Azura and :Amigo (selected models) and other 830 nm plates. Contact your local Agfa representative for more information.	
Resolutions	1200, 2400 dpi	
Non image areas	Lead	.234" (6 mm)
	Trail	.234" (6 mm)
Plate Register system	Lead edge	2-point mechanical, up to five sets of locatable stop pins
	Side edge	Laser edge finding –right , left or left and right edges, each plate programmable
Screening levels	E, S, XT, XXT	Up to and including 200 ABS, :Sublima 240 lpi
	E Elite, S Elite, XT Elite, XXT Elite	Up to and including :Sublima 340 lpi, :CristalRaster 21 micron
Remote diagnostics	:Intellsyst system as available	
Avalon LF - LE only	Plate loading	Manual continuous loading
	Plate unloading	Manual, or automatic to on-line processor
Avalon LF - E, S, XT, XXT only	Plate loading	Manual continuous loading or Automatic using JLA (single cassette) or PlateManager
	Plate unloading	Manual, or automatic to on-line processor
Processors	See separate list of approved processors and configurations	
Environmental requirements	• 65 to 85° F, (18 to 29° C) • 35% – 80% relative humidity	
Electrical requirements	230 v, single phase, 50/60hz	

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:Avalon JLA single cassette Automation

Cassette capacity	Gauge	# Plates
	6 mil (0.15 mm)	50
	8 mil (0.2 mm)	38
	12 mil (0.3 mm)	25
	16 mil (0.4mm)	19
Removable cassette	yes	
Manual plateloading bypass	yes	
Environmental requirements	65 to 85° F, (18 to 29° C) • 35% - 80% relative humidity	

:Avalon LF PlateManager

Maximum cassettes	up to four cassettes at one time (System can manage up to 16 cassettes)		
Number of plates	Gauge	# Plates	4 cass
	6 mil (0.15 mm)	100	400
	8 mil (0.2 mm)	80	320
	12 mil (0.3 mm)	66	264
	16 mil (0.4 mm)	50	200
Options	<ul style="list-style-type: none"> •Extra cassettes •Cart (trolley for transporting cassettes) 		
Environmental requirements	65 to 85° F, (18 to 29° C) • 35% - 80% relative humidity		
Manual loading bypass	yes		

:Avalon LF platesetter options

Machine matching	Description	Allows mixing of plates for 1 print job from two, or more, :Avalon Platesetters.
Applicability	Field or factory	XT, XXT Can be ordered at time of purchase or at any time in the field. Inquire.
Image Registration (fit) machine to machine	Accuracy image to plate edge machine to machine	± 25 microns error circle ± 50 microns error circle
Recommended limitation		Up to 200 lpi

:Avalon LF Platesetter Throughputs

Conditions	<ul style="list-style-type: none"> • 2400 or 1200 dpi • Throughput may vary with screen type (XT Elite and XXT Elite only) • 40.5 x 31.5" (1030 x 800 mm plate) • Approved processor and configuration • 140 mj/cm plate (only applies to P970) 			
	Nominal plate throughputs	plates per hour (up to)		
	Thermostar (P970)	Amigo	Azura	
LE	10	-	-	
E	15	15	12	
S	20	18	17	
XT	30	28	22	
XXT	40	-	-	

Platesetter Imager upgrades

Platesetter	to E	to E Elite	to S	to S Elite	to XT	to XT Elite	to XXT	to XXT Elite
LE	Yes	Yes	-	-	-	-	-	-
E	-	Yes	Yes	Yes	Yes	Yes	-	-
E Elite	-	-	Yes	Yes	Yes	Yes	-	-
S	-	-	-	Yes	Yes	Yes	Yes	Yes
S Elite	-	-	-	-	Yes	Yes	Yes	Yes
XT	-	-	-	-	-	Yes	Yes	Yes
XT Elite	-	-	-	-	-	-	Yes	Yes
XXT	-	-	-	-	-	-	-	Yes
XXT Elite	-	-	-	-	-	-	-	-

:Avalon LF Models - Imager Choices

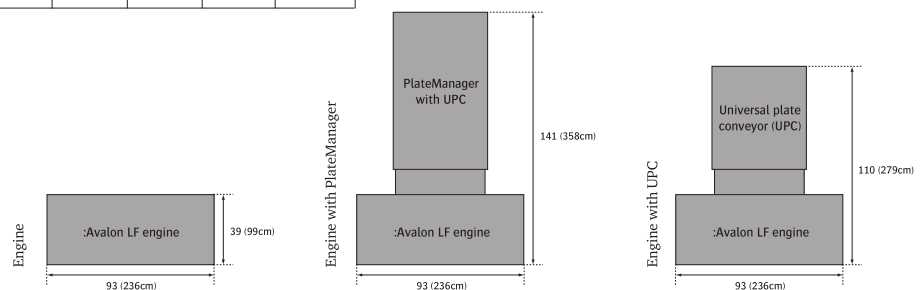
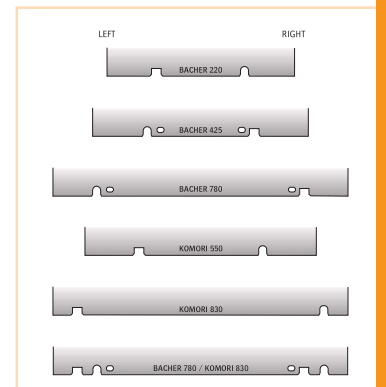
Head Plates	Standard	Universal	Elite
	P-970, LT-2, other qualified plates	P-970, LT-2, other qualified plates Plus :Azura and :Amigo	P-970, LT-2, other qualified plates
Screening	Up to: 240 Sublima 200 lpi ABS	Up to: 240 Sublima 200 lpi ABS	Up to: 340 Sublima 21 micron CR
LE	✓	-	-
E	-	✓	-
S	-	✓	✓
XT	✓	Q2 '06	✓
XXT	✓	-	✓

:Avalon LF Models - Loading and Punching Choices

	Manual load	JLA & Plate-Manager Support	On-line Processor support	Internal punching option	Machine Matching
LE	✓	-	✓	-	-
E	✓	✓	✓	✓	-
S	✓	✓	✓	✓	-
XT	✓	✓	✓	✓	✓
XXT	✓	✓	✓	✓	✓

:Avalon LF platesetter internal punching options

Number of supported punch sets	4
Category	Punch Set
ZONE A	Bacher 220 Square on left or square right
ZONE B	Bacher 425
ZONE C	Komori 550
ZONE D	Bacher 780
(choose 1 only)	Komori 830
	Bacher/Komori 780/830 Combo
Engines field upgradable to internal punching	yes
Effect on throughput	minimal
Custom punches	yes - contact your local Agfa representative



If you would like to receive more information about certain products, systems or tailor-made solutions, please go to <http://www.agfa.com/graphics/contact>

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