

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

<b>Imaging System</b>	830nm infrared thermal with Grating Light Valve™ (GLV)			
<b>Plate Sizes</b>	<b>Minimum plate size*</b>		<b>Maximum plate size*</b>	
	<b>Lead edge</b>	<b>Around Drum</b>	<b>Lead edge</b>	<b>Around Drum</b>
Platesetter (Manual load)	250mm (9.8")	310mm (12.2")	1160mm (45.7")	820mm (32.2")
Platesetter with punching	250mm (9.8")	310mm (12.2")	1130mm (44.5")	820mm (32.2")
JLA	250mm (9.8")	310mm (12.2")	1130mm (44.5")	820mm (32.2")
PlateManager	380mm (14.9")	310mm (12.2")	1130mm (44.5")	820mm (32.2")
PlateManager with optional small plate kit	250mm (9.8")	310mm (12.2")	1130mm (44.5")	820mm (32.2")
*Other Processor limitations may apply				
<b>Thickness Supported</b>	0.15 – 0.40 mm (0.006– 0.016")			
<b>Approved plates</b>	:Thermostar P970, :Energy Elite, LT2, :Ampio, :Azura and :Amigo (selected models) and other 830 nm plates. Contact your local Agfa representative for more information.			
<b>Resolutions</b>	1200, 2400 dpi			
<b>Non image areas</b>	<b>Lead</b>	.234" (6 mm)		
	<b>Trail</b>	.234" (6 mm)		
<b>Plate Register system</b>	<b>Lead edge</b>	2-point mechanical, up to five sets of locatable stop pins		
	<b>Side edge</b>	Laser edge finding -right, left or left and right edges		
<b>Screening levels</b>	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		
<b>Remote diagnostics</b>	:Intellsyst system as available			
<b>Plate Handling Avalon LF - LE only</b>	<b>Plate loading</b>	Manual continuous loading		
	<b>Plate unloading</b>	Manual, or automatic to on-line processor		
<b>Plate Handling Avalon LF - E, S, XT, XXT only</b>	<b>Plate loading</b>	Manual continuous loading or Automatic using JLA (single cassette) or PlateManager		
	<b>Plate unloading</b>	Manual, or automatic to on-line processor		
<b>Processors</b>	See separate list of approved processors and configurations			
<b>Environmental requirements</b>	• 65 to 85° F, (18 to 29° C)			
	• 20% – 80% relative humidity			
<b>Electrical requirements</b>	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 (0.4 mm)	19
Removable cassette	yes	
Manual plateloading bypass	yes	
Environmental requirements	<ul style="list-style-type: none"> <li>• 65 to 85° F, (18 to 29° C)</li> <li>• 20% - 80% relative humidity</li> </ul>	

## :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 (0.15mm)	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"> <li>• Extra cassettes</li> <li>• Cart (trolley for transporting cassettes)</li> </ul>		
Environmental requirements	<ul style="list-style-type: none"> <li>• 65 to 85° F, (18 to 29° C)</li> <li>• 20% - 80% relative humidity</li> </ul>		
Manual loading bypass	yes		

## :Avalon LF Platesetter Machine Matching

Description	Allows mixing of plates for 1 print job from two, or more, :Avalon Platesetters.
Applicability	XT, XXT (no punching)
	Factory Yes
	Field Inquire
Image Registration (fit) machine to machine	± 25 microns error circle
Accuracy image to plate edge machine to machine	± 50 microns error circle
Recommended limitation	Up to 200 lpi

## :Avalon LF Platesetter Throughputs

Conditions	<ul style="list-style-type: none"> <li>• 2400 or 1200 dpi</li> <li>• 1030 x 800 mm (40.5" x 31.5") plate</li> <li>• Approved processor and configuration</li> <li>• Nominal plate sensitivities</li> </ul>			
	plates per hour (up to)			
Nominal plate throughputs	P970, :Energy Elite	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

Imager	Standard	Universal	Elite
Plates	P970, :Energy Elite, :LT2 other qualified plates	P970, :Energy Elite, :LT2 other qualified plates Plus :Azura and :Amigo	P970, :Energy Elite, :LT2 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	✓	✓	✓
XXT	✓	-	✓

## :Avalon LF Models - Loading and Punching Choices

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

## :Avalon LF Platesetter Internal Punching Options

Number of supported punch sets	4
Category	<b>Punch Set</b>
ZONE A	Bacher 220 Square on left or square right
ZONE B	Bacher 425
ZONE C	Komori 550
ZONE D (choose 1 only)	Bacher 780 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
Standard punch diagrams	

## :Avalon LF Platesetter Dimensions

Footprint	
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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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