

# COMPUTER-TO-PLATE SOLUTIONS - PLATESETTERS ( ctd )

## Thermal Imaging: High-Definition CtP

The :Avalon thermal imaging systems bring a new level of quality, flexibility and reliability to computer-to-plate imaging. High-definition CtP provides exceptional image quality and unbeatable printability using a HD (high definition) optical system, a three-pin registration system, a unique external-drum design and high-powered processing. The :Avalon family offers a variety of automated features

designed to speed and enhance the plate-making process. Features like PreStaging for manual loading, single Cassette Automation, Multiple Cassette Automation. The :Avalon LF comes with the unique internal punching feature. It accomodates up to four sets of punches. The :Avalon CtP systems can work with a number of screening technologies, such as :Sublima XM screening or

:CristalRaster stochastic screening. These options allow the system to deliver higher resolutions - up to 340 lpi.

## :Avalon SF Thermal :Avalon SF brings your 4-up and 6-up operation into the next Generation

**S** | **S**  
**Universal** | **Elite**

> <b>Imaging system</b>	830 nm infrared thermal with Grating Light Valve™ (GLV)	
> <b>Minimum plate size</b>	250*mm x 310 mm (9.8" x 12.2") 380**mm x 310 mm (14.9" x 12.2") 250*mm x 310 mm (9.8" x 12.2")	
Avalon SF Engine manual load PlateManager JLA	<small>* 250mm is the lead edge and 310mm is around the drum, other processor restrictions may apply.                  ** 380 mm is the lead edge and 310 mm is around the drum, other processor restrictions may apply.                  250 x 310 mm is also available as option with PlateManager (for smaller plates please contact factory)</small>	
> <b>Maximum plate size</b>	980mm x 690 mm (38.6" x 27.2")	
Avalon SF Engine manual load PlateManager JLA	:Avalon SF maximum :Avalon SF maximum	
> <b>Plate thickness</b>	0.15 – 0.40 mm (0.006" – 0.016 ")	
> <b>Plate handling :Avalon SF S</b>	manual continuous loading or automatic using JLF (single cassette) or Platemanager.	
> <b>Unloading</b>	Manual or automatic to online processor	
> <b>Resolutions</b>	1200 and 2400 dpi	
> <b>Dimensions</b>	2360 x 990 x 1770 mm (93" x 39" x 70 ")	
> <b>Screening levels</b>	Up to and including 200 lpi :ABS - :Sublima 240 lpi	Up to and including 200 lpi :ABS - :Sublima 340 lpi :CristalRaster 21 micron
> <b>Plates per hour(*)</b>	20	20
> <b>Approved plates</b>	:Thermostar P970, LT2, :Ampio, :Energy Elite and other 830 nm plates :Azura, :Amigo (selected models). Contact your local Agfa representative for more information.	
Thermal: ThermoFuse:		



(\*) 724 mm  
Throughput may vary based on plate type.