

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) | | | |
| Plate Sizes | Minimum plate size* | | Maximum plate size* | |
| | Lead edge | Around Drum | Lead edge | Around Drum |
| 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 | | | | |
| Thickness Supported | 0.15 – 0.40 mm (0.006– 0.016") | | | |
| Approved plates | :Thermostar P970, :Energy Elite, 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 | | |
| 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 | | | |
| Plate Handling Avalon LF - LE only | Plate loading | Manual continuous loading | | |
| | Plate unloading | Manual, or automatic to on-line processor | | |
| Plate Handling 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) | | | |
| | • 20% – 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 (0.4 mm) | 19 |
| Removable cassette | yes | |
| Manual plateloading bypass | yes | |
| Environmental requirements | <ul style="list-style-type: none"> • 65 to 85° F, (18 to 29° C) • 20% - 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 (0.15mm) | 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"> • Extra cassettes • Cart (trolley for transporting cassettes) | | |
| Environmental requirements | <ul style="list-style-type: none"> • 65 to 85° F, (18 to 29° C) • 20% - 80% relative humidity | | |
| 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"> • 2400 or 1200 dpi • 1030 x 800 mm (40.5" x 31.5") plate • Approved processor and configuration • Nominal plate sensitivities | | | |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|--|
| | 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 | Punch Set |
| 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 | |
|-----------|--|

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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