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Avalon B8-24 S/XT

The Avalon B8-24 is a breakthrough range of manual-loading thermal platesetter systems designed for new CtP users. They achieve a top speed of 30 plates per hour, with a maximum media size of 1060 x 830 mm.

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Overview

The manual-loading Avalon B8-24 is a robust, entry-level platesetter system with on- or offline processing. The S model delivers up to 23 plates per hour, size 8-up, whereas the XT outputs up to 30 plates per hour.

Both engines deliver unmatched imaging results in combination with Agfa Graphics thermal plates, and the seamless integration with industry-leading Apogee workflow guarantees affordable high-quality plate production for your commercial packaging and publishing printing business.

Related Information

Related Products

Avalon N16
Avalon N24 / N36 / N40 / N48
Avalon N4
Avalon N8
Download

Avalon B8-24 S/XT Datasheet
Avalon N8-24 S & N8-20 Sc & B8-24 S Datasheet

Key benefits

- High-quality CtP imaging
- Based on the reliable Avalon N architecture
- Proven fibre-coupled laser technology
- Easy-to-control plate production

Features

Advanced External Drum Design

Agfa Graphics' new breakthrough range of thermal platesetters is based on the reliable external drum architecture of the Avalon N and proven fiber-coupled laser technology, to breach all records of cost effectiveness. An automated lightweight clamping and vacuum system secures plates to the drum.

Online Processor or Clean-out Unit (optional)

Both models combine manual plate-loading with pre-staging. They can also be used with an online processor or clean-out unit to deliver high operator productivity at an affordable price point.

Unmatched Plate Productivity

The Avalon B8 models apply fiber-coupled laser imaging head technology, using 64 and 96 beams to deliver between 23 and 30 B1 plates per hour in a semi-automatic CtP configuration. These precision imaging heads produce exceptional tonal accuracy and uniformity from corner to corner, plate to plate and job to job.

Integrated Solution

Agfa Graphics offers you a completely integrated solution. The systems are most efficient in combination with Agfa Graphics' ThermoFuse line of chemistry-free plates, including Azura TS. Thanks to the elimination of all process variables this offers Avalon B8-24 users simplified platemaking with clear, consistent results.

You also benefit from a seamless integration with the industry leading Apogee workflow. And last but not least, we offer additional processors and chemistry, peripherals, pressroom supplies and our Sublima XM screening software.

Technical specs

Avalon	B8-24 S
Imaging technology	64 channel fiber-coupled
Laser type	830 nm thermal laser diodes
Recording system	External drum
Resolution	1200-2400-2540 dpi
Plate characteristics	
Maximum (lead edge x wrap)	1060 mm x 830 mm (41.7” x 32.7”)
Minimum (lead edge x wrap)	450 mm x 370 mm (17.7” x 14.6”)* * Small plate option: not available
Plate thickness	0.15-0.3 mm (6-12 mil)
Maximum imaging size	1060 x 806 mm (grip 12/12 mm) 1060 x 810 mm (grip 8/12 mm)* * drum rotation limited up to 600 rpm
Plate compatibility	
Approved Agfa Graphics plates	Azura TS, Azura TU, Azura TE, Amigo TS Thermostar P970, Energy Elite, Energy Elite Pro, Energy Xtra
Plate loading and unloading configurations	
Manual loading	Yes

Internal punching	Option not available
Automatic loading	No
Single cassette autoloader	No
Multi cassette autoloader	No
Manual unload	Yes
On-line processor (OLP)	Yes
Throughput	
Energy Elite Pro: 1030 x 800 mm plate, 2400 dpi	23 pph, depending on plate sensitivity, screening and other factors.
Weight & dimensions	
Dimensions (w x d x h) Including built in bridge	2500 mm x 1820 mm x 1453 mm (98.4” x 71.7” x 57.2”)
Approx. weight	945 kg (2083 lb)
Environment	
Temperature range	
• Recommended • Required	21° C to 25° C (70°F to 77°F) 18° C to 26° C (64°F to 79°F)
Humidity range	40% to 70% RH (non-condensing)
Power	1Ï• 200 - 240V 30A 4,0kW

Avalon	B8-24 XT
Imaging technology	96 channel fiber-coupled
Laser type	830 nm thermal laser diodes
Recording system	External drum
Resolution	1200-2400-2540 dpi
Plate characteristics	
Maximum (lead edge x wrap)	1060 mm x 830 mm (41.7” x 32.7”)
Minimum (lead edge x wrap)	450 mm x 370 mm (17.7” x 14.6”)* * Small plate option: not available
Plate thickness	0.15-0.3 mm (6-12 mil)
Maximum imaging size	1060 x 806 mm (grip 12/12 mm) 1060 x 810 mm (grip 8/12 mm)* * drum rotation limited up to 600 rpm
Plate compatibility	
Approved Agfa Graphics plates	Azura TS, Azura TU, Azura TE, Amigo TS Thermostar P970, Energy Elite, Energy Elite Pro, Energy Xtra
Plate loading and unloading configurations	
Manual loading	Yes
Internal punching	Option not available

Automatic loading	No
Single cassette autoloader	No
Multi cassette autoloader	No
Manual unload	Yes
On-line processor (OLP)	Yes
Throughput	
Energy Elite Pro: 1030 x 800 mm plate, 2400 dpi	30 pph, depending on plate sensitivity, screening and other factors
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Availability

North America

Available in this region

South America

Available in this region

Europe

Available in this region

Asia

Available in this region

Africa

Available in this region

Oceania

Available in this region