



Avalon N4

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Overview

Avalon N4 brings today's commercial and packaging printers the high-quality digital plates they need to stay competitive. Whether you require the highly productive Avalon N4-14 S or the cost-effective Avalon N4-14 E, you are assured of a winning combination of exceptional imaging and rock-solid reliability.

You can upgrade any time from the E model to the S model. Its streamlined operation and uncompromising image quality will allow you to handle more of even the most demanding jobs, with more profit.

Related Information

Related Products

[Azura TS](#)
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[Avalon N4 Datasheet](#)
[Avalon N4 Datenblatt](#)

Key Benefits

- High-quality thermal platesetting
- Fast task implementation
- Automatic plate loading
- Few remakes
- Upgradable any time from the E model to the S model

Features

Fast Job Turnaround

Even with a manual configuration, the Avalon N4 separates loading and unloading bays, so that one printing plate can be staged while another one is being imaged – boosting productivity.

Precise Dot Reproduction

Avalon N4's accurate thermal imaging system is designed to consistently reproduce the finest dots on plate, which results in highly detailed results on press.

Automatic Inline Punching

An integrated inline punching system inside the Avalon N4 enables imaged plates to go directly to press, eliminating a prepress step.

Chemistry-free Plate Compatibility

The Avalon N4 is compatible with the Azura TS chemistry-free plates. They provide a more efficient alternative to traditional thermal plates. The Azura TS completely eliminates hazardous chemicals for more consistent imaging and also reduces the number of production steps, helping to streamline your workflow.

Technical Specs

Avalon	N4-14 E
Imaging technology	16-channel laser diodes
Laser type	830 nm thermal laser diodes
Recording system	External drum
Resolution	1200-2400-2540 dpi
Plate characteristics	
Maximum (lead edge x wrap)	830 mm x 660 mm (32.7" x 26")
Minimum (lead edge x wrap)	324 mm x 370 mm (12.8" x 14.5") * * Small plate option: not available
Plate thickness	0.15-0.3 mm (6-12 mil)
Maximum imaging size	830 x 633 mm (32.7" x 24.9") (Front margin 15 mm, rear margin 12 mm)
Plate compatibility	
Approved Agfa Graphics plates	Azura TS, Azura TU, Azura TE, Amigo TS Thermostar P970, Energy Elite, Energy Elite Pro
Plate loading and unloading configurations	
Manual loading	Yes
Internal punching	Option: Inline punch configurations for all major presses are available.

Automatic loading	Yes
Single-cassette autoloader	Yes
Multi cassette autoloader	Yes, 3 cassettes
Manual unloading	Yes
On-line processor (OLP)	Yes

Throughput

Energy Elite Pro: 1030 x 800 mm plate, 2400 dpi	11 pph, depending on plate sensitivity, screening and other factors.
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Weight & dimensions

Dimensions (WxDxH)	1750 mm x 1030 mm x 1178 mm
Including built in bridge	(68.9" x 40.6" x 46.4")
Approx. weight (including the blower)	645 kg (1422 lb)

Environment

Temperature range	
- Recommended	21° C to 25° C (70°F to 77°F)
- Required	18° C to 26° C (64°F to 79°F)
Humidity range	40% to 70% RH (non-condensing)
Power	1• 200-240 V 20 A 4.0 kW

Avalon	N4-14 S
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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