



Avalon N8-60 / N8-80

Reliable, stable quality plate imaging
secures your printing business!

AGFA 

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Avalon N8-60 / N8-80



Agfa Graphics's Avalon N series of thermal drum platesetters offers the most complete range in the industry featuring laser technology most appropriate to the application. The Avalon N is a platesetter with a reputation for solid dependability with a full assortment of automation options and many productivity options such as internal punching.

N8-60/80 series

The Avalon N8-60/80 series is equipped with GLV (Grating Light Valve) imaging technology, featuring both the GLV and a solid-state laser diode bar. This results in a large number of beams, ensuring an exceptionally fast imaging speed combined with a low drum rotation velocity.

- N8-60: 512 beams for high plate productivity requirements
- N8-80: 1024 beams for extreme plate productivity requirements
- A full array of automation options is available
- All models come with an optional inline punching system and standard ethernet connection, providing direct interfacing with the Apogee workflow.



| IMAGER | | N8-60 S | N8-60 XT | N8-80 XT |
|---|--|---|-----------------|-----------------|
| Models | | 512 beams | 512 beams | 1024 beams |
| Imaging System | | Grating Light Valve (GLV) | | |
| Laser technology | | 830 nm Thermal Laser Diodes | | |
| Recording system | | External drum | | |
| Resolution | | 2400 dpi 4000 dpi (factory option) | | 2400 dpi |
| PLATE SIZE | | | | |
| Maximum plate (lead edge x wrap) | | 1,165 x 950 mm (45.9" x 37.4") | | |
| Minimum plate (lead edge x wrap) | | 304 x 305 mm (11.9" x 12.0") | | |
| Thicknesses (options for 0.4 mm support available) | | 0.15 to 0.3 mm (6 to 12 mil) | | |
| Imaging size - Max | | 1165 x 938 mm (45.9" x 36.9") grip 6/6mm 304 x 293 mm (17.8" x 11.5") grip 6/6mm | | |
| PLATES | | | | |
| Approved Agfa Graphics plates | | Azura TS, Azura TU, Azura TE, Amigo TS Thermostar P970, Energy Elite, Energy Elite Pro | | |
| PLATE HANDLING CONFIGURATIONS | | | | |
| Plate loading | | | | |
| Semi-automatic manual loading | | Yes | | |
| Single cassette Autoloader | | Yes | | |
| Multi cassette Autoloader | | Yes | | |
| Plate Unloading | | | | |
| Manual unload | | Yes | | |
| On-line processor (OLP) | | Yes | | |
| TROUGHPUT* | | | | |
| Energy Elite Pro 1030 x 800 mm plate, 2400 dpi | | 33 pph | 43 pph | 67 pph |
| | | * Throughput affected by plate sensitivity, screening and other factors. Contact your Agfa Graphics representative for more detail. | | |
| INTERNAL PUNCHING | | | | |
| Option | | Support for up to 6 sets of punches. Standard and custom punches are available | | |
| PHYSICAL SPECIFICATIONS | | | | |
| Dimensions (WxDxH) Main unit | | 2640 x 1475 x 1394 mm (103.9" x 58.0" x 54.9") | | |
| Approx Weight Main unit | | 1115 kg (2,458 lbs.) | | |
| ENVIRONMENT (platesetter and Autoloader) | | | | |
| Temperature range - Recommended - Required | | 21° to 25° C (69.8° to 77.0° F) 18° to 26° C (64.4° to 78.8° F) | | |
| Humidity range | | 40% to 70% RH (non-condensing) | | |
| Power Main unit with Autoloader | | 220 to 240 volts, single phase, 32 amps, 50 or 60 Hz | | |

SYSTEM LAYOUTS

Shown below are main system components only.

Contact your Agfa Graphics representative for:

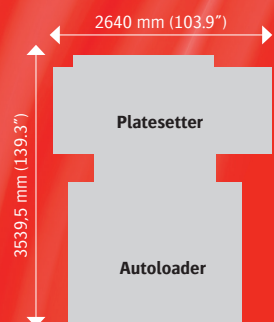
- more detailed layouts including processors, conveyors, chiller, blower and other components.

- detailed site requirements including service space requirements

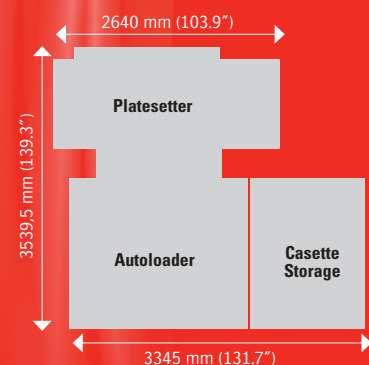
Manual Loaded



Single Cassette Autoloader System



Multi Cassette Autoloader System



Autoloaders

Avalon N8 Autoloaders: Reliable 8-up plateloading systems for increased productivity.

A full array of Plateloading automation systems for the Avalon N8 series of 8-up thermal platesetters.

These solutions offer innovative and user friendly designs for maximum operator utilization.

| | Single Cassette Autoloader | Multi Cassette Autoloader |
|---|---|---|
| | A single cassette autoloader allowing unattended operation and automatic slip sheet removal with less investment. | A multi cassette solution with up to 5 cassettes on-line for high production with minimum labor. Standard configuration is 3 cassettes. |
| MODELS AND APPLICABILITY | | |
| Model | N8-60/80 AL-S | |
| Applicability | Avalon N8-60 S/XT | Yes |
| | Avalon N8-80 XT | Yes |
| | N8-60/80 AL-M | |
| | Avalon N8-60 S/XT | Yes |
| | Avalon N8-80 XT | Yes |
| DESCRIPTION | | |
| Cassettes | 1 cassette | up to 5 cassettes (standard 3 cassettes) |
| Max number on line | | |
| Plates per cassette | 0.15 mm: 100 plates | |
| | 0.2 mm: 100 plates | |
| | 0.3 mm: 100 plates | |
| | 0.4 mm: 75 plates | |
| | Between 450 x 370 and 304 x 370 mm: 50 plates | |
| Removable cassettes | Yes | No |
| Cassette carrier available | Yes, Included | No |
| Slip sheet removal | Standard Capacity ±100 sheets | |
| PLATE SIZES | | |
| Maximum | 1165 x 950 mm (45.9" x 37.4") | |
| Minimum | 304 x 305 mm (11.9" x 12.0") | |
| Thicknesses | 0.15 to 0.3 mm (0.4 mm as field option) | |
| PHYSICAL SPECIFICATIONS | | |
| Dimensions (WxDxH) | 1,810 x 2,330 x 1,530 mm (71.3" x 91.7" x 60.2") | 3,345 x 2,330 x 1,530 mm (131.7" x 91.7" x 60.2") |
| Approx Weight (no plates) | 600 kg (1323 lbs) | 1200 kg (2646 lbs) |
| ENVIRONMENT | | |
| Temperature range | 21° to 25° C (69.8° tot 77.0° F) | |
| - Recommended | 18° to 26° C (64.4° to 78.8° F) | |
| - Required | | |
| Humidity range | 40% to 70% RH (no condensation) | |
| Power | Powered by main unit | |
| OPTIONS | | |
| 0.4 mm support | Yes | Yes |
| Additional carrier-type cassette (with dustproof cover) | Yes | No |
| Cassette carrier | Yes | No |
| Additional cassettes | No | Yes (max. 5 in total) |
| Left layout (optional) | Yes | Yes |

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