

Avalon 8-up series

From entry-level platesetters to high-end computer-to-plate (CtP) engines – the Avalon 8-up series of thermal platesetters for commercial printing has a best-in-class solution in store for every need.



Overview

Affordable excellence that will help your commercial printing business thrive – that's the promise of Avalon 8-up platesetters. With their reputation for solid dependability, these CtP engines prove themselves in terms of quality, consistency and productivity, and they're sustainable to boot.

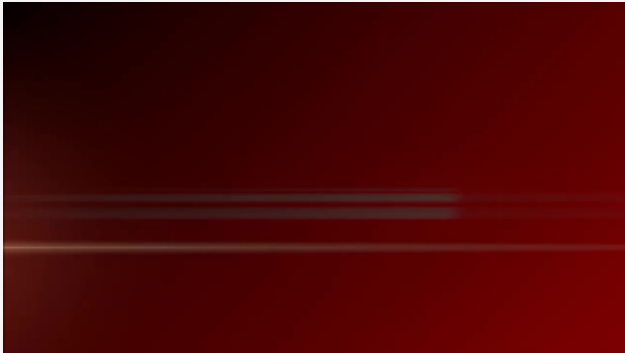
The Avalon 8-up series features entry-level engines (B8-24S, B8-24XT, N8-30E, N8-30S, N8-30XT) as well as high-performance platesetters (N8-90E, N8-90S, N8-90XT). Simply select the engine that suits your needs in terms of throughput speed (from 14 to 70 pph), features and scalability, and start boosting your business.

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Add the Expert Loader to the Avalon N8-90 for full prepress automation



Watch this movie online on

<https://www.agfagraphics.com/global/en/product-finder/avalon-n8.html>



ECO³

Agfa Graphics is committed to sustainable innovation that focuses on ecology, economy, and extra convenience—or ECO³. Our hardware, software and consumables make your prepress and printing operations cleaner, more cost-effective and easier to operate and maintain. The ultimate goal? More value for your entire printing business!

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Key Benefits

- Consistent performance and output quality up to 340 lpi Sublima
- Throughput speed of up to 70 pph, depending on your model and plate
- Multiple automation options, such as a single, multi-cassette or pallet loader
- Integration with Agfa Graphics' Apogee prepress workflow solution



Features

Proven technology



While Avalon 8-up entry-level platesetters feature fiber-coupled laser technology to guarantee superior quality, the high-end engines are equipped with Grating Light Valve (GLV) imaging technology, featuring both the GLV itself and a solid-state laser diode bar. The result? A large number of beams, ensuring exceptional imaging speed and a low drum rotation velocity.

Industry-leading productivity

One of Agfa Graphics' star performers, Avalon addresses the needs of large, medium and small-volume printers. Combine the Avalon N8-90XT and the Energy Elite Eco printing plate to reach an exceptional throughput speed of 70 pph. Most of the Avalon platesetters are also upgradable, and evolve with you as your business grows.

Automation – Make your choice

All entry-level engines feature manual loading, but they can be combined with a single or multi-cassette autoloader for increased automation and productivity. In the case of the Avalon B8, autoloading comes in the shape of a 'Job Level Automation' unit.

For the high-end Avalon N8-90 engine, there's an advanced option: the Expert Loader

Expert Loader

Going all out on productivity? Achieve a sustainable competitive advantage with Agfa Graphics' Expert Loader – a compact 8-up pallet loader for full prepress automation, which can be added to the Avalon N8-90. It comes in two models: the Expert Loader Fix and the upgradable Expert Loader Var.

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Perfectly upgradable

The Avalon 8-up can be upgraded to meet your expanding production requirements. Using the same base engine, you can upgrade from an entry-level manual machine to a high-productivity, fully automated model by simply adding modules.

Sublime imaging quality

Avalon 8-up engines yield consistent, first-rate imaging quality of up to 340 lpi Sublima, depending on your model. Even entry-level platesetters outdo the competition in imaging resolution (up to 280 lpi Sublima), guaranteeing Avalon's trademark excellence.



Technical Specs

Model	B8-24 S
Imaging technology	64-channel fiber-coupled
Laser type	830 nm thermal laser diodes
Recording system	External drum
Press punch	n/a
Resolution	
1200 dpi	n/a

2400 dpi	yes
2540 dpi	n/a
4000 dpi	n/a
4800 dpi	n/a
Throughput	
Throughput pph, 1030 x 800 mm, 2400dpi Energy Elite Eco	23
Plate loading & unloading configuration	
Manual loading	yes
Semi-manual loading	yes
Automatic (autoloader)	n/a
Pallet loader	n/a
Manual unloading	yes
In line unloading	yes
Plate characteristics	
Min. plate size (around drum x along drum)	450 mm x 370 mm (17.7" x 14.6")
Max. plate size (along drum x around drum)	1060 mm x 830 mm (41.7" x 32.7")
Thickness	0.15 mm-0.3 mm (6-12 mil)
Max. exposure size (along drum x around drum)	1060 mm x 806 mm (41.7" x 31.7") (grip 12/12 mm) 1060 mm x 810 mm (41.7" x 31.9") (grip 8/12 mm)
Dimensions	
Weight	945 kg (2083 lb)
Size (w x d x h)	2500 mm x 1820 mm x 1453 mm (98.4" x 71.7" x 57.2")
Environment (CtP and autoloader)	
Temperature range	Recommended: 18-26 °C
Humidity range	40-70 % RH (no condensation)
Power	Single-phase 200-240V, 30A

Model	B8-24 XT
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Imaging technology	96-channel fiber-coupled
Laser type	830 nm thermal laser diodes
Recording system	External drum
Press punch	n/a
Resolution	
1200 dpi	n/a
2400 dpi	yes
2540 dpi	n/a
4000 dpi	n/a
4800 dpi	n/a
Throughput	
Throughput pph, 1030 x 800 mm, 2400dpi Energy Elite Eco	30
Plate loading & unloading configuration	
Manual loading	yes
Semi-manual loading	yes
Automatic (autoloader)	n/a
Pallet loader	n/a
Manual unloading	yes
In line unloading	yes
Plate characteristics	
Min. plate size (along drum x around drum)	450 mm x 370 mm (17.7" x 14.6")
Max. plate size (along drum x around drum)	1060 mm x 830 mm (41.7" x 32.7")
Thickness	0.15 mm-0.3 mm (6-12 mil)
Max. exposure size (along drum x around drum)	1060 mm x 806 mm (41.7" x 31.7") (grip 12/12 mm) 1060 mm x 810 mm (41.7" x 31.9") (grip 8/12 mm)
Dimensions	
Weight	945 kg (2083 lb)

Size (w x d x h)	2500 mm x 1820 mm x 1453 mm (98.4" x 71.7" x 57.2")
Environment (CtP and autoloader)	
Temperature range	Recommended: 18-26 °C
Humidity range	40-70 % RH (no condensation)
Power	Single-phase 200-240V, 30A

Model	N8-30 E
Imaging technology	32-channel fiber-coupled
Laser type	830 nm thermal laser diodes
Recording system	External drum
Press punch	optional, max 4 sets
Resolution	
1200 dpi	yes
2400 dpi	yes
2540 dpi	yes
4000 dpi	n/a
4800 dpi	n/a
Throughput	
Throughput pph, 1030 x 800 mm, 2400 dpi Energy Elite Eco	14
Plate loading & unloading configuration	
Manual loading	yes (feed tray mandatory)
Semi-manual loading	n/a
Automatic (autoloader)	yes
Pallet loader	n/a
Manual unloading	yes
In line unloading	yes
Plate characteristics	



Min. plate size (along drum x around drum) *optional with punch connection kit **optional without punch connection kit	650 mm x 370 mm (25.5" x 14.6") 304 mm x 370 mm (11.9" x 14.6") * 324 mm x 370 mm (12.8" x 14.6") **
Max. plate size (along drum x around drum) *optional with punch connection kit **optional without punch connection kit	1160 mm x 940 mm (45.6" x 37.0") *1150 mm x 940 mm (45.3" x 37.0")
Thickness	0.15 mm-0.3 mm (6-12 mil, options for 0.4 mm support available)
Max. exposure size (along drum x around drum) *with punch connection kit (When 8 mm clamp is set, the maximum drum rotation speed will be limited to 600rpm When the '8mm clamp' option is not installed, the leading edge clamp is 12mm and tail edge clamp is 12 or 8mm	1160 mm x 924 mm (45.6" x 36.4") (grip 8/8 mm)*
Dimensions	
Weight	1260 kg (2778 lb)
Size (w x d x h)	2530 x 1495 x 1280 mm (99.6" x 58.9" x 50.4")
Environment (CtP and autoloader)	
Temperature range	Recommended: 18-26 °C
Humidity range	40-70 % RH (no condensation)
Power	Single-phase 200-240V, 30A

Model	N8-30 S
Imaging technology	64-channel fiber-coupled
Laser type	830 nm thermal laser diodes
Recording system	External drum
Press punch	optional, max 4 sets
Resolution	
1200 dpi	yes
2400 dpi	yes

2540 dpi	yes
4000 dpi	n/a
4800 dpi	n/a
Throughput	
Throughput pph, 1030 x 800 mm, 2400 dpi Energy Elite Eco	24
Plate loading & unloading configuration	
Manual loading	yes (feed tray mandatory)
Semi-manual loading	n/a
Automatic (autoloader)	yes
Pallet loader	n/a
Manual unloading	yes
In line unloading	yes
Plate characteristics	
Min. plate size (along drum x around drum) *optional with punch connection kit **optional without punch connection kit	650 mm x 370 mm (25.5" x 14.6") 304 mm x 370 mm (11.9" x 14.6") * 324 mm x 370 mm (12.8" x 14.6") **
Max. plate size (along drum x around drum) *optional with punch connection kit **optional without punch connection kit	1160 mm x 940 mm (45.6" x 37.0") *1150 mm x 940 mm (45.3" x 37.0")
Thickness	0.15 mm-0.3 mm (6-12 mil, options for 0.4 mm support available)
Max. exposure size (along drum x around drum) *with punch connection kit (When 8 mm clamp is set, the maximum drum rotation speed will be limited to 600rpm When the '8mm clamp' option is not installed, the leading edge clamp is 12mm and tail edge clamp is 12 or 8mm	1160 mm x 924 mm (45.6" x 36.4") (grip 8/8 mm)*
Dimensions	
Weight	1260 kg (2778 lb)
	2530 x 1495 x 1280 mm (99.6" x 58.9" x

Size (w x d x h)	50.4")
Environment (CtP and autoloader)	
Temperature range	Recommended: 18-26 °C
Humidity range	40-70 % RH (no condensation)
Power	Single-phase 220-240V, 32A

Model	N8-30 XT
Imaging technology	96-channel fiber-coupled
Laser type	830 nm thermal laser diodes
Recording system	External drum
Press punch	optional, max 4 sets
Resolution	
1200 dpi	yes
2400 dpi	yes
2540 dpi	yes
4000 dpi	n/a
4800 dpi	n/a
Throughput	
Throughput pph, 1030 x 800 mm, 2400 dpi Energy Elite Eco	32
Plate loading & unloading configuration	
Manual loading	yes (feed tray mandatory)
Semi-manual loading	n/a
Automatic (autoloader)	yes
Pallet loader	n/a
Manual unloading	yes
In line unloading	yes
Plate characteristics	

<p>Min. plate size (along drum x around drum) *optional with punch connection kit **optional without punch connection kit</p>	<p>650 mm x 370 mm (25.5" x 14.6") 304 mm x 370 mm (11.9" x 14.6") * 324 mm x 370 mm (12.8" x 14.6") **</p>
<p>Max. plate size (along drum x around drum) *optional with punch connection kit **optional without punch connection kit</p>	<p>1160 mm x 940 mm (45.6" x 37.0") *1150 mm x 940 mm (45.3" x 37.0")</p>
<p>Thickness</p>	<p>0.15 mm-0.3 mm (6-12 mil, options for 0.4 mm support available)</p>
<p>Max. exposure size (along drum x around drum) *with punch connection kit (When 8 mm clamp is set, the maximum drum rotation speed will be limited to 600rpm When the '8mm clamp' option is not installed, the leading edge clamp is 12mm and tail edge clamp is 12 or 8mm</p>	<p>1160 mm x 924 mm (45.6" x 36.4") (grip 8/8 mm)*</p>
Dimensions	
<p>Weight</p>	<p>1260 kg (2778 lb)</p>
<p>Size (w x d x h)</p>	<p>2530 x 1495 x 1280 mm (99.6" x 58.9" x 50.4")</p>
Environment (CtP and autoloader)	
<p>Temperature range</p>	<p>Recommended: 18-26 °C</p>
<p>Humidity range</p>	<p>40-70 % RH (no condensation)</p>
<p>Power</p>	<p>Single-phase 220-240V, 32A</p>

Model	N8-90 E
Imaging technology	GLV 512 beams
Laser type	830 nm thermal laser diodes
Recording system	External drum
Press punch	optional, max 6 sets
Resolution	
1200 dpi	yes

2400 dpi	yes
2540 dpi	yes
4000 dpi	yes
4800 dpi	yes
Throughput	
Throughput pph, 1030 x 800 mm, 2400dpi Energy Elite Eco	36
Plate loading & unloading configuration	
Manual loading	yes
Semi-manual loading	n/a
Automatic (autoloader)	yes
Pallet loader	yes
Manual unloading	yes
In line unloading	yes
Plate characteristics	
Min. plate size (along drum x around drum)	304 mm x 293 mm (11.9" x 11.5")
Max. plate size (along drum x around drum)	1165 mm x 938 mm (45.9" x 36.9")
Thickness	0.15 mm-0.3 mm (6-12 mil, options for 0.4 mm support available)
Max. exposure size (along drum x around drum)	1165 mm x 938 mm (45.9" x 36.9") (grip 6/6mm)
Dimensions	
Weight	1115kg (2453lb)
Size (w x d x h)	2640 mm x 1475 mm x 1394 mm (103.9" x 58.1" x 54.9")
Environment (CtP and autoloader)	
Temperature range	Recommended: 18-26 °C
Humidity range	40-70 % RH (no condensation)
Power	Single-phase 200-240V, 30A

Model	N8-90 S
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Imaging technology	GLV 512 beams
Laser type	830 nm thermal laser diodes
Recording system	External drum
Press punch	optional, max 6 sets
Resolution	
1200 dpi	yes
2400 dpi	yes
2540 dpi	yes
4000 dpi	yes
4800 dpi	yes
Throughput	
Throughput pph, 1030 x 800 mm, 2400dpi Energy Elite Eco	48
Plate loading & unloading configuration	
Manual loading	yes
Semi-manual loading	n/a
Automatic (autoloader)	yes
Pallet loader	yes
Manual unloading	yes
In line unloading	yes
Plate characteristics	
Min. plate size (along drum x around drum)	304 mm x 293 mm (11.9" x 11.5")
Max. plate size (along drum x around drum)	1165 mm x 938 mm (45.9" x 36.9")
Thickness	0.15 mm-0.3 mm (6-12 mil, options for 0.4 mm support available)
Max. exposure size (along drum x around drum)	1165 mm x 938 mm (45.9" x 36.9") (grip 6/6mm)
Dimensions	
Weight	1115kg (2453lb)
Size (w x d x h)	2640 mm x 1475 mm x 1394 mm (103.9" x 58.1" x 54.9")

Environment (CtP and autoloader)	
Temperature range	Recommended: 18-26 °C
Humidity range	40-70 % RH (no condensation)
Power	Single-phase 200-240V, 30A

Model	N8-90 XT
Imaging technology	GLV 1024 beams
Laser type	830 nm thermal laser diodes
Recording system	External drum
Press punch	optional, max 6 sets

Resolution	
1200 dpi	yes
2400 dpi	yes
2540 dpi	yes
4000 dpi	n/a
4800 dpi	n/a

Throughput	
Throughput pph, 1030 x 800 mm, 2400dpi Energy Elite Eco	70

Plate loading & unloading configuration	
Manual loading	yes
Semi-manual loading	n/a
Automatic (autoloader)	yes
Pallet loader	yes
Manual unloading	yes
In line unloading	yes

Plate characteristics	
Min. plate size (along drum x around drum)	304 mm x 293 mm (11.9" x 11.5")



Max. plate size (along drum x around drum)	1165 mm x 938 mm (45.9" x 36.9")
Thickness	0.15 mm-0.3 mm (6-12 mil, options for 0.4 mm support available)
Max. exposure size (along drum x around drum)	1165 mm x 938 mm (45.9" x 36.9") (grip 6/6mm)
Dimensions	
Weight	1115kg (2453lb)
Size (w x d x h)	2640 mm x 1475 mm x 1394 mm (103.9" x 58.1" x 54.9")
Environment (CtP and autoloader)	
Temperature range	Recommended: 18-26 °C
Humidity range	40-70 % RH (no condensation)
Power	Single-phase 200-240V, 30A

	Job Level Automation (for B8-24 S & B8-24 XT)
Plate capacity	50 plates (0.15 mm - 0.3 mm)
Number of cassettes	1
Min./max. plate size	450 mm x 370 mm (17.7" x 14.6") / 1060 mm x 830 mm (41.7" x 32.7")
Weight	235 kg (518 lb)
Size (w x d x h) (* open hood)	1710 mm x 1680 mm x 2380 mm (67.3" x 66.1" x 93.7")

	N8-AL S (for N8-30 E, N8-30 S, N8-30 XT and N8-90 E, N8-90 S & N8-90 XT)
Plate capacity	100 plates (0.15 mm - 0.3 mm) 75 plates (0.4 mm)
Number of cassettes	1

Min./max. plate size	1165 mm x 940 mm (45.9" x 37.0") / 304 mm x 370 mm (11.9" x 14.6")
Weight	600 kg (1323 lb)
Size (w x d x h) (* open hood)	1827 mm x 2351 mm x 1530 mm (71,9 " x 91,1" x 60,2")

	N8-AL M (for N8-30 E, N8-30 S, N8-30 XT and N8-90 E, N8-90 S & N8-90 XT)
Plate capacity	100 plates (0.15 mm - 0.3 mm) 75 plates (0.4 mm)
Number of cassettes	3 (upgrade to 5)
Min./max. plate size	1165 mm x 940 mm (45.9" x 37.0") / 304 mm x 370 mm (11.9" x 14.6")
Weight	1160 kg (2557 lb) 5 cassettes 1088 kg (2381 lb) 3 cassettes
Size (w x d x h) (* open hood)	3345 mm x 2351 mm x 1530 mm (131,7 " x 91,1" x 60,2")

	Expert Loader (for N8-90 E, N8-90 S & N8-90 XT)
Plate capacity	Pallet: 1200 plates (0.3 mm - 0.4 mm) Cassette: 100 plates (0.15 mm - 0.4 mm)
Number of cassettes	1 or 2
Min./max. plate size	740 mm x 605 mm (29.1" x 23.8") (500 mm x 400 mm (19.7" x 15.7")*) / 1165 mm x 950 mm (45.9" x 37.4") *cassette
Weight	750 kg (1654 lb)
Size (w x d x h)	2930 mm x 1850 mm x 1550 mm (* 2395 mm) (115.4" x 72.8" x 61.0")



(* open hood)

(* 94.3")

