:Advantage N

Newspaper CtP Redefined

Agfa Graphics bring their third generation of newspaper CtP systems - :Advantage N - that build on the success of previous generations - :Polaris and :Advantage - while offering greater affordability, reliability and ease of use.

Combining high quality standards with violet imaging technology, the :Advantage N range offers a unique value proposition for both newspaper and commercial web printers, addressing the needs of large, medium and small volume printers, and with a choice of plate loading mechanisms and various plate throughput volumes.

All :Advantage N units feature violet laser imaging technology, designed to handle printing plates for both classic development, as well as violet chemistry-free plates of the :N92-VCF range.

Hi-tech imaging system

Agfa Graphics' patented violet laser exposure system with automatically zoomable lenses for flawless and highest-quality imaging. Suited for classic (ABS) screening, but also :Arkitex Sublima (cross-modulated screening technology) capable.
The imaging head, with its high-powered 6 facet spinner, features a 120 mW, high precision violet laser diode combined with a High Precision Drive system (Agfa Graphics patent) ensuring the highest precision of plate transport and imaging quality.

Unique High Precision Drive system

Motion transport is controlled by a set of step motors with continuous motion measurement to ensure the highest possible accuracy of plate throughput.

Unique register system

An automatic register system, programmable by the operator to suit different plate format sizes, ensures accurate positioning and imaging of all plates. The register system situated on the plate feed table consists of 3 register pins (Flex Pins) and a self steering wheel driven mechanism (Flex Wheel) that automatically positions the plate quickly and accurately.

Less downtime

:Advantage N units can be monitored with IntellSyst, Agfa Graphics' remote diagnostics system. Service engineers at remote places can take control of the unit and its front end. Or they can access the hardware itself to assess possible problems and suggest trouble-shooting procedures. The engines can be equipped with a web cam inside to have on-line live footage of their operation.

Straightforward service

:Advantage N is constructed with less spare parts than any other Agfa Graphics CtP unit. This allows for less stock keeping, while service repair operations are simpler, too.

:Advantage N GUI (Graphic User Interface)

:Advantage N is easily integrated into any business network environment via a direct Ethernet TCP/IP connection and standard network protocol. Consequently, no special interface cables are needed to feed the system with data.
The engine settings and service programme are accessed via a dedicated utility from any PC in the network. :Advantage N is fed with bitmap data via the :Arkitex Newsdrive N which in most cases runs on the same PC as the :Advantage N GUI.

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Characteristic	:Advantage N-M (Manual)	:Advantage N-SA (Semi-Automatic)	:Advantage N-SL (Stack Loader)	:Advantage N-DL/TR (Direct Load/Trolley)
Max. plate size	Pano 1143 x 710 mm / 45 x 27.95 inch Single 495 x 710 mm / 19.48 x 27.95 inch			1250 x 710 mm / 49.21 x 27.95 inch(DL/TR Extended) 914 x 710 mm / 35.98 x 27.95 inch (DL/TR Standard)
Min. plate size	275 x 451 mm / 10.82 x 17.75 inch			
Plate thickness	0.20 - 0.40 mm / 8 - 16 mil			
Resolution	900 – 2540 dpi			
On-line plate capacity	N/A	N/A	100	Up to 1500
Plate formats supported	up to 100			
Plate formats supported on-line	N/A	N/A	1	1 + 3 optional
Automatic slip sheet removal	N/A	N/A	Yes	Yes
Plates/hour	75 operator dependable	75 operator dependable	100	100 / 150 / 220 /300 (*) (*) depending on resolution and plate size
On-line processor	N/A	Yes	Yes	Yes
Safelight for plate loading	Yellow / TR trolley can be transported to the yellow light room			
Operating safelight	Yellow	Yellow	Yellow (Daylight with optional daylight cover)	Daylight
Upgrade Options				
Display on pivoting arm	Factory option + Field upgradable			
Mirrored registration	Factory option + Field upgradable			
Daylight cover			Factory option + Field upgradable	
+50/+120 plates speed upgrade				Factory option + Field upgradable
Additional plate formats				Factory option + Field upgradable

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