MAKO NEWSmatic HS *plus*

High Speed, fully-automatic, violet CTP production for newspapers

The fully automated **MAKO NEWSmatic HS *plus*** provides new levels of simplicity, versatility and economy. Leveraging our patented flatbed violet laser imaging technology the MAKO NEWSmatic HS *plus* is an ideal solution for unattended plate production for newspapers.

- Optimized plate handling allows high production performance of up to 150 plates per hour at 1016 dpi.

- Ideal for high plate volume newspapers and printers with presses using Berliner through double wide plates.

- Utilizing the latest 120 mw violet laser technology our future-proof design allows a smooth transition to violet chemistry-free plate technology.

- Accommodates the widest range of web widths up to a maximum format of 635mm x 927mm (25" x 36.5").

- ECRM's patented FleXarm slip sheet removal system makes automation a realistic possibility for smaller and medium-sized printers.

- Sensors track slip-sheets through pick-up, removal and disposal using patented slip sheet compacting technology - ensuring fast throughput and superior reliability

- Operates in normal daylight conditions

- Open-ended software system accepts 1-bit TIFF files – choose the solutions you want. ECRM is here to help.

- No hidden extras – our online conveyor is standard on all MAKO CTP, allowing for a direct connection to the processor at no extra cost.

- To provide added flexibility, the optical configuration includes eight resolutions from 1016 to 2540 dpi and three anamorphic resolution sets (1016 x 2032 dpi, 1200 x 2400 dpi, and 1270 x 2540 dpi).

- High capacity plate cassette and trolley handles 340 eight gauge (0.2mm) plates or 250 twelve gauge (0.3mm) plates.

- Basic electricity requirements and quick installation— no dedicated power line needed. Low energy consumption, draws the same energy as a PC.

- Simple and intuitive operator interface makes training easy for everyone.

Choose ECRM for your Violet CTP solutions

ECRM products offer the lowest total cost of ownership in the business and the highest quality performance in the industry. Our manufacturing facility is located in Tewksbury, Massachusetts, USA and is certified as being in conformity to ISO 9001:2000 standards. Our signature flexible design lets you decide what's best for your CTP system, workflow, plates and processors. We support you every step of the way and work with you to ensure complete system integrity.

MAKO NEWSmatic HS *plus* specifications

Plate Sizes	Maximum: 635mm x 927mm (25.0" x 36.5") Minimum: 385mm x 289.6mm (15.15" x 11.4")
Plate Thickness	0.20mm to 0.35mm (0.008" to 0.014")
Media Types	Violet-sensitive photopolymer and silver halide metal plates. See media specifications for safe-light information.
Plate Cassette Capacity	340 plates - 8 gauge (0.2mm); 250 plates - 12 gauge (0.3mm)
Recording Source	120 mw violet laser diode (405 nm)
Maximum Line Screen	Up to 150 lpi. Media dependent
Resolutions	8 resolutions from 1016 to 2540 dpi. Three anamorphic resolution sets available — 1016 x 2032, 1200 x 2400 and 1270 x 2540.
Image Scaling	Image scaling from 85% to 110% of original
Repeatability	0.025mm (0.001") typical. May vary according to media type and processing conditions
Air Supply Requirement	6.2 BAR @ 283L/min (10CFM @ 90 PSI) (Required for slip sheet removal option)
Processing	Online: The plate transport automatically moves the plate into the processor.
Environmental	Power: 100 - 240 Volts; 3 Amps; 250 watts maximum; 50/60Hz, single phase. Heat Dissipation: 850 BTU/hour
Interface	USB 2.0 High Speed. 3 meter host cable provided.
Operating Conditions	62 - 86° F (17 - 30° C); relative humidity 45 - 65%, non-condensing. Relative humidity outside of this range may affect performance. Operating conditions outside plate media specifications may affect performance.
Weight	409 kg (900 lbs.)
Footprint Dimensions	Width: 86.5cm (34.0") Length: 346.3cm (136.4") Height: 191.0cm (75.1")

ECRM®
imaging systems

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