

# MAKO 4matic

Brings automated CTP benefits and the lowest cost of operation to 4-page printers

**The MAKO 4matic** is an automated, full-featured 4-page CTP solution developed for commercial printers that demand high quality output while maintaining a cost-effective operation. It provides a simple and easy transition to CTP production with no compromise on quality, reliability or productivity – the ideal replacement for aging imagesetter technology.

- Accommodates the widest range of 2, 4, and 6 page presses.
- Delivers in excess of 20 Speedmaster 74 plates per hour at 2400 dpi.
- Accommodates any plate size between 384mm x 290mm (15.15" x 11.4") to 635mm x 927mm (25" x 36.5"), providing generous space for oversized jobs such as 6-page gatefolds.

- Optional automated in-line press notch punching. Can accommodate either Bacher support (220mm and 425mm) or Komori support (550cm) or both. Can also include custom press notch configurations.
- Operates in normal daylight conditions
- Easy to install, operate and maintain. Uses standard power outlets and easily integrates into existing workflows through 1-bit TIFF compatibility.
- No hidden extras – our online conveyor is standard on all MAKO CTP, allowing for a direct connection to the processor at no extra cost.
- Features a straight-through plate path with no complex load/unload cycle.
- ECRM's patented Flexarm slip sheet removal system makes automation a realistic possibility for smaller and medium-sized printers.
- 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 4matic Specifications

<b>Plate Sizes</b>	Maximum: 635mm x 927mm (25.0" x 36.5") Minimum: 384mm x 290mm (15.15" x 11.4")
<b>Plate Thickness</b>	0.14mm to 0.35mm (0.0055" to 0.014")
<b>Media Types</b>	Violet-sensitive photopolymer and silver halide metal See media specifications for safe-light information.
<b>Plate Cassette Capacity</b>	60 plates
<b>Recording Source</b>	Violet laser diode (405 nm), available for photopolymer or silver halide plates
<b>Maximum Line Screen</b>	Up to 200 lpi (78.7 lpcm). Media dependent
<b>Resolutions</b>	Seven resolutions from 1200 to 3556 dpi (472 to 1400 dpcm) Resolutions include; 1200, 1270, 1800, 2400, 2540, 3048, and 3556dpi
<b>Image Scaling</b>	Image scaling from 85% to 110% of original
<b>Repeatability</b>	0.025mm (0.001") typical May vary according to media type and processing conditions
<b>Air Supply Requirement</b>	6.2 BAR @ 283L/min (10CFM @ 90 PSI) (Required for slip sheet removal option)
<b>Processing</b>	Online: The plate transport automatically moves the plate into the processor.
<b>Environmental</b>	Power: 100 - 240 Volts; 3 Amps; 250 watts maximum; 50/60Hz, single phase Heat Dissipation: 850 BTU/hour
<b>Operating Conditions</b>	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.
<b>Weight</b>	409 kg (900 lbs.)
<b>Footprint Dimensions</b>	Width: 86.5cm (34.0") Length: 336.0cm (132.6") Height: 191.0cm (75.1")

**ECRM<sup>®</sup>**  
imaging systems

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All ECRM products carry the CE mark. All products are CSA & CSA/NRTL Certified. Class 1 Laser Products ECRM's Tewksbury facility is ISO 9001:2000 certified.

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## ***NEW SOFTWARE AVAILABLE***

To find out more about using the Harlequin® RIP-Kit software with this particular output device visit [rti-rips.com](http://rti-rips.com) or call 800-816-5755 (International Callers: 941-925-1303)

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