

MAKO Imagesetters

Resolutions from 1000 to 3556 dpi meet a wide range of needs from fast newspaper production to high quality, high line screens for commercial printing.

There are three models in the ECRM imagesetter family.

MAKO 36 has a 355 cm (14.1") wide imaging area with high imaging resolutions for professionals who need output as 2-up or tabloid pages.

MAKO 46 has a 457 cm (18.0") wide image area with imaging resolutions up to 3556 dpi for fully-imposed 4-up or broadsheet pages.

MAKO 56 has the widest imaging area of 564 cm (22.2") and provides full 4-page impositions including color bars and printer marks, suitable for most B2 presses.



The following characteristics are common to all MAKO Imagesetters:

- Includes the latest version of ECRM's RIPMate RIP (Mac or PC)
- Short, uncomplicated film path allows for trouble-free operation.
- Precision drive roller assembly - precise media movement is controlled with a segmented pressure roller and precision aluminum drive roller.
- 120 meter (400 foot) supply cassette reduces operator intervention for greater productivity.
- Daylight operation allows you to use MAKO Imagesetters in a standard office or production environment.
- Desktop design with optional matching cabinet for an attractive system configuration.
- Images up to 200 line screen to meet the quality requirements of commercial printers worldwide.
- Air bearing spinner motor for high quality, high-speed imaging.

Choose ECRM for digital prepress solutions

Common Specifications

Recording Source	One 10 mW visible red laser diode (670 nm recording wavelength).												
Resolutions	Twelve resolutions from 1000 to 3556 dpi (394 to 1400 dpcm) Resolutions include: 1000, 1016, 1200, 1270, 1446, 1524, 1800, 2032, 2400, 2540, 3048, and 3556 dpi												
Recording Speeds	<table border="0"> <tr> <td>1000 dpi - 40.64 cm/min. (16.0"/min.)</td> <td>1800 dpi - 22.58 cm/min. (8.89"/min.)</td> </tr> <tr> <td>1016 dpi - 40.01 cm/min. (15.75"/min.)</td> <td>2032 dpi - 19.99 cm/min. (7.87"/min.)</td> </tr> <tr> <td>1200 dpi - 33.86 cm/min. (13.33"/min.)</td> <td>2400 dpi - 16.94 cm/min. (6.67"/min.)</td> </tr> <tr> <td>1270 dpi - 32.00 cm/min. (12.60"/min.)</td> <td>2540 dpi - 16.00 cm/min. (6.30"/min.)</td> </tr> <tr> <td>1446 dpi - 28.12 cm/min. (11.07"/min.)</td> <td>3048 dpi - 13.34 cm/min. (5.25"/min.)</td> </tr> <tr> <td>1524 dpi - 26.67 cm/min. (10.50"/min.)</td> <td>3556 dpi - 11.43 cm/min. (4.50"/min.)</td> </tr> </table>	1000 dpi - 40.64 cm/min. (16.0"/min.)	1800 dpi - 22.58 cm/min. (8.89"/min.)	1016 dpi - 40.01 cm/min. (15.75"/min.)	2032 dpi - 19.99 cm/min. (7.87"/min.)	1200 dpi - 33.86 cm/min. (13.33"/min.)	2400 dpi - 16.94 cm/min. (6.67"/min.)	1270 dpi - 32.00 cm/min. (12.60"/min.)	2540 dpi - 16.00 cm/min. (6.30"/min.)	1446 dpi - 28.12 cm/min. (11.07"/min.)	3048 dpi - 13.34 cm/min. (5.25"/min.)	1524 dpi - 26.67 cm/min. (10.50"/min.)	3556 dpi - 11.43 cm/min. (4.50"/min.)
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Maximum Line Screen	200 lpi (78.7 lpcm)												
Repeatability	0.03 mm (0.0012") typical over four consecutive 56 x 71 cm (22" x 28") separations on film. May vary according to media, media packaging and processing conditions.												
Media Types	Visible red sensitive film, polyester plate or paper material.												
Media Thickness	0.1 mm (0.004")												
Media Configurations	Emulsion in 50 mm (2") diameter core, breakaway taped to core.												
Cassette Capacity	Up to 120 meter (400.0") of 0.004" of 145 mm (5.7") maximum roll diameter.												
Take-up Cassette	Capacity 7.6 meters (25.0'), 0.004" material.												
Processing	Output cassette is included for off-line transfer to processor. Removable cassette tray and on-line interface allow for easy connection to an on-line processor.												
Heat Dissipation	1000 BTU/hour maximum.												
Power Requirements	(100/115/230 V (+/- 10%); 1.7/1.5/1.0 amps; 50/60Hz, single phase.												
Operating Conditions	17°- 30° C (62 - 86° F); relative humidity 45 - 65%, non-condensing. Relative humidity outside of this range may affect performance. Operating conditions outside media specifications may affect performance.												

Unique MAKO 36 and 46 Specifications

Maximum Recording Width	MAKO 36: 360 mm (14.16") MAKO 46: 460 mm (18.16")
Media Widths	MAKO 36: Standard widths between 30.5 cm (12.0") and 36.0 cm (14.0") MAKO 46: Standard widths between 30.5 cm (12.0") and 46.0 cm (18.1")
Weight	68 .0 kg (150 lbs.)
Footprint Dimensions	Width: 71.0 cm (28.0") Length: 103.0 cm (40.5") Height: 46.0cm (18.0")

Unique MAKO 56 Specifications

Maximum Recording Width	560 mm (22.0") or 564 mm (22.2") with overscan.
Media Widths	Standard widths between 35.6 cm (14.0") and 56.0 cm (22.0")
Weight	105.0 kg (235 lbs.)
Footprint Dimensions	Width: 81.0 cm (32.0") Length: 113.0 cm (44.6") Height: 49.0cm (19.3")

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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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