MAKO imagesetters are the natural selection for growing commercial printers, publishers and repro professionals. They can be field upgraded for even higher performance when increased capabilities are required.

MAKO Imagesetters

Mako imagesetters are the clear market leader in specification and performance for their price. They are modular and upgradeable, so you can start with the entry-level 2-page Mako 36 and grow your production capacity without investing in a totally new imaging system. With Mako imagesetters, you can 'futureproof' your investment, buy the right product for your current needs and upgrade to wider, faster or dry-film performance as your business grows.

Wider, faster, dryer - There are three models in the ECRM Mako imagesetter range. You can start at the top with the Mako 56, for full 4-up impositions including color bars and printers marks, or work your way up with the Mako 36 or 46. For example, if you need your Mako 36 to output faster, handle wider film for 4-page impositions or run environmentally friendly dry film, it can be upgraded in the field in hours.
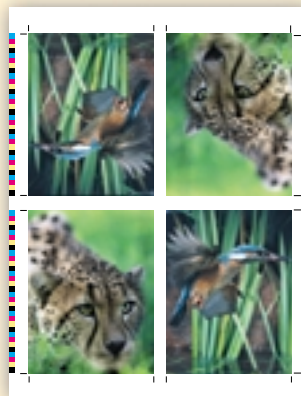
Quality - High-end performance on all Makos is delivered by advanced imaging technology. This provides fast imaging speeds, razor-sharp dots and a choice of resolutions for job output up to 200-line screen with total confidence.

Flexibility - Makos can be used with film, paper and polyester plates, providing maximum flexibility in media choice to suit job specification and budget. Each Mako also has a choice of high-speed Mac or PC software RIPs to adapt to your production requirements.

Reliability - Mako imagesetters are built to satisfy your customer on time, every time. Innovative and robust design together with high quality manufacture to ISO 9001 standards deliver high levels of reliability year after year.

High Value - Makos offer superior value. They are inexpensive to buy, operate and maintain providing the fast ROI needed by growing businesses. Makos pay for themselves fast - they are the natural selection for your next business investment.

ECRM ®
Imaging Systems

Specifications

Maximum Recording Width
MAKO 56: 22.0" (560 mm), 22.2" (564 mm) with overscan.
MAKO 46: 18.1" (461 mm)
MAKO 36: 14.1" (360 mm)

Recording Source - MAKO 56, MAKO 36/46 Standard or High Speed
One 10 mW visible red laser diode (670 nm recording wavelength)

Recording Source - MAKO 36/46 Dry
One 50 mW infrared laser diode (780 nm recording wavelength)

Resolutions
12 resolutions from 1000 dpi to 3556 dpi (394 dpcm to 1400 dpcm)

Maximum Line Screen
200 lpi (78.7 lpcm)

Recording Speeds - MAKO 56, MAKO 36/46 Standard Speed
1000 dpi - 16.00"/min, 40.64 cm/min
1016 dpi - 15.75"/min, 40.01 cm/min
1200 dpi - 13.33"/min, 33.86 cm/min
1270 dpi - 12.60"/min, 32.00 cm/min
1446 dpi - 11.07"/min, 28.12 cm/min
1524 dpi - 10.50"/min, 26.67 cm/min
1800 dpi - 8.89"/min, 22.58 cm/min
2032 dpi - 7.87"/min, 19.99 cm/min
2400 dpi - 6.67"/min, 16.94 cm/min
2540 dpi - 6.30"/min, 16.00 cm/min
3048 dpi - 5.25"/min, 13.34 cm/min
3556 dpi - 4.50"/min, 11.43 cm/min

Recording Speeds - MAKO 36/46 High Speed
1000 dpi - 32.00"/min, 81.28 cm/min
1016 dpi - 31.50"/min, 80.01 cm/min
1200 dpi - 26.67"/min, 67.74 cm/min
1270 dpi - 25.20"/min, 64.01 cm/min
1446 dpi - 22.13"/min, 56.21 cm/min
1524 dpi - 21.0"/min, 53.3 cm/min
1800 dpi - 17.8"/min, 45.2 cm/min
2032 dpi - 15.8"/min, 40.1 cm/min
2400 dpi - 11.7"/min, 29.7 cm/min
2540 dpi - 10.3"/min, 26.2 cm/min
3048 dpi - 7.2"/min, 18.3 cm/min
3556 dpi - 5.3"/min, 13.5 cm/min

Recording Speeds - MAKO 36/46 Dry
1000 dpi - 21.0"/min, 53.3 cm/min
1016 dpi - 20.6"/min, 52.3 cm/min
1200 dpi - 17.4"/min, 44.2 cm/min
1270 dpi - 16.6"/min, 42.2 cm/min
1446 dpi - 14.6"/min, 37.1 cm/min
1524 dpi - 13.8"/min, 35.1 cm/min
1800 dpi - 11.6"/min, 29.5 cm/min
2032 dpi - 10.4"/min, 26.4 cm/min
2400 dpi - 8.8"/min, 22.4 cm/min
2540 dpi - 8.2"/min, 20.8 cm/min
3048 dpi - 6.88"/min, 17.5 cm/min
3556 dpi - 5.29"/min, 13.4 cm/min

Repeatability - MAKO 56
0.0012" (0.03 mm) typical over four consecutive 30" (76 cm) separations long by any width supported by the MAKO 56. May vary according to media, media packaging and processing conditions.

Repeatability - MAKO 36/46
0.0012" (0.03 mm) typical over four consecutive separations on film. May vary according to media, media packaging and processing conditions.

Media Types - MAKO 56, MAKO 36/46 Standard or High Speed
Visible red sensitive film, polyester plate or paper material.

Media Types - MAKO 36/46 Dry
Infrared sensitive film, polyester plate or paper material.

Media Thickness
0.004" to 0.008" (0.1 to 0.2 mm). 0.008" (0.2 mm) available only on the MAKO 36 with a plate output cassette.

Media Configuration
Emulsion in, 2" (50 mm) diameter core, breakaway taped to core.

Cassette Capacity
Up to 400' (120 m) of 0.004" material, 5.7" (145 mm) maximum roll diameter.

Media Widths - MAKO 56
22.1" (561 mm)	18.6" (472 mm)
22.0" (560 mm)	18.1" (460 mm)
20.5" (521 mm)	18.0" (457 mm)
20.1" (510 mm)	17.7" (450 mm)
20.0" (508 mm)	16.0" (406 mm)
19.6" (498 mm)	14.0" (356 mm)

Media Widths - MAKO 46
18.1" (460 mm)	15.0" (380 mm)
18.0" (457 mm)	14.5" (369 mm)
17.7" (450 mm)	14.0" (356 mm)
17.3" (440 mm)	13.3" (338 mm)
16.9" (430 mm)	13.0" (330 mm)
16.5" (419 mm)	12.5" (318 mm)
16.0" (406 mm)	12.2" (310 mm)
15.8" (400 mm)	12.0" (305 mm)
15.4" (390 mm)	11.8" (300 mm)

Media Widths - MAKO 36
14.0" (356 mm)	12.2" (310 mm)
13.3" (338 mm)	12.0" (305 mm)
13.0" (330 mm)	11.8" (300 mm)
12.5" (318 mm)	

Processing
Output cassette is included for off-line transfer to a processor. Removable cassette tray and online interface allow for easy connection to an online processor.

DEALER STAMP

Dimensions - MAKO 56
32.0"W x 44.6"D x 19.3"H (81 cm x 113 cm x 49 cm)

Dimensions - MAKO 36/46
28.0"W x 40.5"D x 18.0"H (71 cm x 103 cm x 46 cm)

Weight - MAKO 56
235 lbs (105 kg)

Weight - MAKO 36/46
150 lbs (68 kg)

Heat Dissipation
1000 BTU/hour maximum

Power Requirements
100/115/230 V (± 10%); 1.7/1.5/1.0 Amps; 50/60 Hz, single phase

Operating conditions
62°F - 86°F; 17°C - 30°C; relative humidity 45-65% non-condensing. Relative humidity outside of this range may affect imagesetter performance.

ECRM® Imaging Systems

www.ecrm.com

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 certified.