Marlin® imagesetters take the worry out of tight publishing deadlines where there is no room for error, combining high throughput and quality with the reliability to perform under any conditions

Marlin Imagesetters

Throughput - High-speed imaging is provided by patented imaging technology which replaces the traditional imagesetting mirror with a spinning holographic disc. This disc sweeps the imaging laser five times per revolution so that more plate surface is covered, enabling Marlins to easily outpace their competitors.

Marlins also multitask to optimize throughput. Automated head and tail punching ensures excellent registration on press and a cut-to-size feature allows films to be used directly by automated platemaking systems.

Reliability - Marlins can work at full capacity day after day without attention. This level of reliability is the result of robust design and quality manufacture to ISO 9001 standards. Marlin imagesetters are also easy to maintain.

Quality - Holographic technology produces films with excellent dot sharpness. The cut-to-size feature combined with a sophisticated head and tail punching system provides excellent registration on press.

Flexibility - Two products cover format requirements from single tabloid pages to eight-page magazine signatures and panorama or double-truck broadsheets. Each Marlin can image film, paper or polyester plate at a wide variety of resolutions from1000 to 2540 dpi. Each Marlin also comes with a choice of Mac or PC high-speed software RIPs.

ECRM®
Imaging Systems

Marlin Imagesetters

Marlin imagesetters offer high value through high performance, low cost of ownership and simple integration to front-end publishing systems.

Features & Benefits

Formats

- Marlin 63 - 8-page impositions and double broadsheets - max width 63.5 cm (25.0")
- Marlin 46 - 4-page impositions and single broadsheets - max width 46.0 cm (18.1")

High throughput

- Marlin 63 - up to 88 broadsheet newspaper pages per hour
- Marlin 46 - up to 60 broadsheet newspaper pages per hour

Productivity

- Internal head and tail punches - eight industry standards or custom configurations available
- Cut-to-size feature offers simple integration into automated platemaking systems
- Simultaneous image, buffer and process

High quality

- Holographic imaging technology at high speeds up to 152 cm (60") per minute
- Repeatability within 25 microns (0.001")

Multiple resolutions

- Easily selectable from 1000 to 2540 dpi to cover all job requirements

Media choices

- Film, paper or polyester plate for maximum flexibility

Reliability

- Designed and manufactured to ISO 9001 standards
- Built for intensive use day after day

DEALER STAMP

All ECRM products carry the CE mark.
All products are CSA & CSA/NRTL certified.
Class 1 Laser Products.

ECRM® Imaging Systems www.ecrm.com

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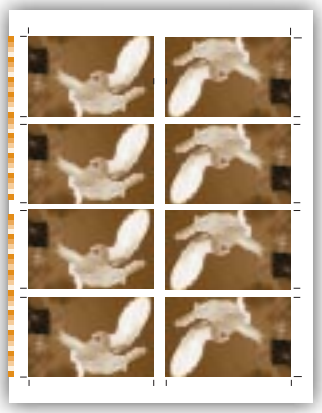
Produced on an ECRM Stingray 63 Imagesetter
Printed in the UK - 09/99 ML90006

Marlin 63 Specification



Marlin imagesetters take the worry out of tight publishing deadlines where there is no room for error, combining high throughput and quality with the reliability to perform under any conditions

Imaging

Maximum Recording Width
Marlin 63: 25.0" (63.5 cm)

Imaging Technology
Spinning holographic disc (patented)

Recording Source
One 5 mW helium neon laser (633 nm recording wavelength)

Spot Size
20-35 microns (resolution dependent) measured at the film plane

Resolutions
10 resolutions from 1000 dpi to 2540 dpi (394 dpcm to 1000 dpcm)

Maximum Line Screen
175 lpi (59.0 lpcm)

Recording Speeds
1000 dpi - 60.00"/min, 152.40 cm/min
1016 dpi - 59.06"/min, 150.00 cm/min
1200 dpi - 50.00"/min, 127.00 cm/min
1270 dpi - 47.24"/min, 120.00 cm/min
1446 dpi - 41.49"/min, 105.38 cm/min
1524 dpi - 39.37"/min, 100.00 cm/min
1800 dpi - 33.33"/min, 84.66 cm/min
2032 dpi - 19.69"/min, 50.00 cm/min
2400 dpi - 16.67"/min, 42.34 cm/min
2540 dpi - 15.75"/min, 40.00 cm/min

Repeatability
0.001" (0.025 mm) typical over four consecutive separations on film. May vary according to media, media packaging and processing conditions

Media

Types
Visible red sensitive film, polyester plate or paper material

Thickness
0.004" (0.1 mm)

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
25.0"(635 mm)
24.6"(625 mm)
24.0"(610 mm)
23.5"(597 mm)
23.0"(584 mm)
22.5"(572 mm)
22.0"(559 mm)
21.7"(550 mm)
21.6"(549 mm)
20.9"(530 mm)
20.5"(521 mm)
20.1"(510 mm)
20.0"(508 mm)
19.6"(498 mm)
18.6"(472 mm)
18.2"(462 mm)
18.1"(460 mm)
17.7"(450 mm)
16.0"(406 mm)
14.0"(356 mm)

Processing
Online processing recommended. Processor interface and buffer included as standard. Emergency take-up cassette available as an option

Registration Punching
Choice of one of eight industry standard head and tail configurations or custom (up to 5 punches per head and tail)

Cut-to-size
Media cut-to-size for easy integration into automated platemaking systems

Physical & Environmental

Dimensions
39.0"W x 35"D x 44"H
(99 cm x 89 cm x 112 cm)

Weight
725 lbs (330 kg)

Heat Dissipation
1500 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

Marlin 46 Specification

Imaging

Maximum Recording Width
Marlin 46: 18.16" (46.1 cm)

Imaging Technology
Spinning holographic disc (patented)

Recording Source
One 5 mW helium neon laser (633 nm recording wavelength)

Spot Size
20-35 microns (resolution dependent) measured at the film plane

Resolutions
5 resolutions from 1000 dpi to 2540 dpi (394 dpcm to 1000 dpcm)

Maximum Line Screen
175 Ipi (59.0 Ipcm)

Recording Speeds
1000 dpi - 60.00"/min, 152.40 cm/min
1016 dpi - 57.00"/min, 144.78 cm/min
1200 dpi - 48.00"/min, 121.92 cm/min
1270 dpi - 47.00"/min, 119.38 cm/min
2540 dpi - 23.00"/min, 58.42 cm/min

Repeatability
0.001" (0.025 mm) typical over four consecutive separations on film. May vary according to media, media packaging and processing conditions

Media

Types
Visible red sensitive film, polyester plate or paper material

Thickness
0.004" to 0.008" (0.1 - 0.2 mm)

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
18.0" (45.7 cm)
17.7" (45.0 cm)
16.9" (43.0 cm)
16.0" (40.6 cm)
15.8" (40.0 cm)
15.3" (39.0 cm)
14.5" (36.9 cm)
14.0" (35.6 cm)
13.3" (33.8 cm)
13.0" (33.0 cm)
12.0" (30.5 cm)

Processing
Online processing recommended. Processor interface and buffer included as standard. Take-up cassette optional

Registration Punching
Choice of one of eight industry standard head and tail configurations or custom (up to 5 punches per head and tail)

Cut-to-size
Media cut-to-size for easy integration into automated platemaking systems

Physical & Environmental

Dimensions
32.0"W x 35.0"D x 44.0"H
(81 cm x 89 cm x 112 cm)

Weight
360 lbs (160 kg)

Heat Dissipation
1500 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

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