

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; 14°C - 30°C relative humidity 45-65% non-condensing; relative humidity outside of this range may affect imagesetter performance

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 lpi (59.0 lpcm)

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; 14°C- 30°C relative humidity 45-65% non-condensing; relative humidity outside of this range may affect imagesetter performance

DEALER STAMP



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 Headquarters:

554 Clark Road
Tewksbury MA 01876
USA
Tel: (+1) 978.851.0207
Fax: (+1) 978.851.7016
sales@ecrm.com

ECRM Sales Offices:

18200 W. McDermott Street
Suites E&F
Irvine CA 92614
USA
Tel: (+1) 949.863.3001
Fax: (+1) 949.863.3040
sales@ecrm.com

3 Century Ct., Tolpits Lane
Watford, Hertfordshire
WD1 8RS, UK
Tel: (+44) 1923.218.255
Fax: (+44) 1923.218.256
sales_uk@ecrm.com

Room 1001, K. Wah Centre
191 Java Road
North Point, Hong Kong
Tel (local): 2564.8989
Tel (Intl.): (+852) 8170.9000
Fax: (+852) 2564.8821
sales_hk@ecrm.com

Room 603-604
Beijing East Ocean Centre
24A Jian Guo Men Wei Ave.
Beijing, 100004 PR, China
Tel: (+86) 10 6515.5675
Fax: (+86) 10 6515.5674
sales_hk@ecrm.com