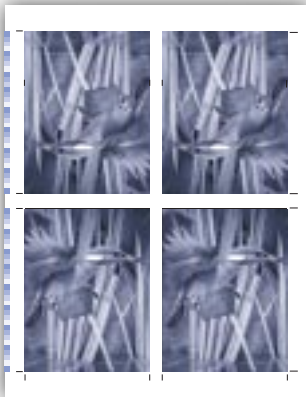


## Mako 56 Specification



*Mako imagesetters are the natural selection for publishers, commercial printers, repro houses and bureaus*

### Imaging

#### Maximum Recording Width

22.0" (560mm)  
22.2" (564mm) with overscan

#### Recording Source

One 10 mW visible red laser diode  
(670 nm recording wavelength)

#### Spot Size

10-35 microns (resolution dependent)  
measured at the film plane

#### Resolutions

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

#### Maximum Line Screen

200 lpi (78.7 lpcm)

#### Recording Speeds

1000 dpi - 16.00"/min, 40.64 cm/min  
1016 dpi - 15.75"/min, 40.01cm/min  
1200 dpi - 13.33"/min, 33.86 cm/min  
1270 dpi - 12.60"/min, 32.00cm/min  
1446 dpi - 11.07"/min, 28.12cm/min  
1524 dpi - 10.50"/min, 26.67 cm/min  
1800 dpi - 8.89"/min, 22.58cm/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, 13.34cm/min  
3556 dpi - 4.50"/min, 11.43cm/min

#### Repeatability

0.0012" (0.03 mm) typical over four  
consecutive 22" x 28" (56 x 71 cm)  
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 to 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

22.1" (56.1 cm)  
22.0" (56.0 cm)  
20.5" (52.1 cm)  
20.1" (51.0 cm)  
20.0" (50.8 cm)  
19.6" (49.8 cm)  
18.6" (47.2 cm)  
18.1" (46.0 cm)  
18.0" (45.7 cm)  
17.7" (45.0 cm)  
16.0" (40.6 cm)  
14.0" (35.6 cm)

#### Take-up Cassette

Capacity 25.0' (7.6 m), 0.004"  
material; 0.008" material requires an  
on-line processor

### Processing

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

### Physical & Environmental

#### Dimensions

32.0"W x 44.6"D x 19.3"H  
(81 cm x 113 cm x 49cm)

#### Weight

235 lbs (105kg)

#### 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

# Mako 36 & 46 Specifications

## Imaging

### Maximum Recording Width

Mako 36: 14.16" (36.0 cm)  
Mako 46: 18.16" (46.1 cm)

### Recording Source

One 10 mW visible red laser diode  
(670 nm recording wavelength)

### Spot Size

10-35 microns (resolution dependent)  
measured at the film plane

### Resolutions

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

### Maximum Line Screen

200 lpi (78.7 lpcm)

### Recording Speeds

1000 dpi - 16.00"/min, 40.64 cm/min  
1016 dpi - 15.75"/min, 40.01cm/min  
1200 dpi - 13.33"/min, 33.86 cm/min  
1270 dpi - 12.60"/min, 32.00cm/min  
1446 dpi - 11.07"/min, 28.12cm/min  
1524 dpi - 10.50"/min, 26.67 cm/min  
1800 dpi - 8.89"/min, 22.58cm/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, 13.34cm/min  
3556 dpi - 4.50"/min, 11.43cm/min

### Repeatability

0.0012" (0.03 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

### • Mako 46

18.1" (46.0 cm)  
18.0" (45.7 cm)  
17.7" (45.0 cm)  
17.3" (44.0 cm)  
16.9" (43.0 cm)  
16.5" (41.9 cm)  
16.0" (40.6 cm)  
15.8" (40.0 cm)  
15.4" (39.0 cm)  
15.0" (38.0 cm)  
14.5" (36.9 cm)

### • Mako 46 & 36

14.0" (35.6 cm)  
13.3" (33.8 cm)  
13.0" (33.0 cm)  
12.5" (31.8 cm)  
12.2" (31.0 cm)  
12.0" (30.5 cm)  
11.8" (30.0 cm)

## Take-up Cassette

Capacity 25.0' (7.6 m), 0.004"  
material; 0.008" material requires an  
on-line processor (recommended) or  
optional plate cassette (12' capacity)

## Processing

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

## Upgrades

Wider - field upgrade Mako 36 to  
18.16" (46.1 cm) media width  
Faster - field upgrade Mako 36 & 46  
to 32" (81 cm) per minute at 1000  
dpi  
Dry - factory option for dry film  
(includes speed upgrade to 21"  
(53.3 cm) per min. at 1000 dpi)

## Physical & Environmental

### Dimensions

28.0"W x 40.5"D x 18.0"H  
(71 cm x 103 cm x 46 cm)

### Weight

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

DEALER STAMP

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#### 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