

FLASHEUSE ImageMaker Purup Maestro



Technical Specifications

RIP

The full range of PS-Link RIPs.
Please ask for details

Exposure

Technology:

- Internal drum (i.e. film is stationary during exposure)

Format:

- 508 x 660 mm (20 x 26")

Max speed:

- 1270 dpi: 982 sq in/min

- 2540 dpi: 491 sq in/min

- 3175 dpi: 197 sq in/min

- 3969 dpi: 157 sq in/min

- 5080 dpi: 123 sq in/min

Light Source

Helium-Neon Laser (635 nm)

Addressability:

- 1270/2540/3175 dpi

Laser spot size:

- 26/13/10 μm

Laser Diode (Infra-red light, 780 nm) (optional)

Addressability:

- 1270/2540/3175 dpi

Laser spot size:

- 26/13/10 μm

Argon Ion Laser (488 nm) (optional)

Addressability:

- 1270/2540/3175/3969/5080 dpi

Laser spot size:

- 26/13/10/8/6.5 μm

Screen ruling:

- 15-400 lines/cm (37-1000 lpi)

Film hold-down:

- Vacuum

Climate control:

- Built-in fan unit or climate control system (optional)

Register system:

- Customer-specified register systems (optional)

Mechanical accuracy of exposure

Overall accuracy: $\pm 15 \mu\text{m}$ (0.6 mil)

Repeatability: $\pm 5 \mu\text{m}$ (0.2 mil)

Film transport

Automatic loading, punching, cutting, and unloading of exposed material to an on-line film processor.

Photographic material

Antistatic film, paper and polyester plate.

Format:

- min size 250 x 250 mm (9.8 x 9.8")

- max size 550 x 665 mm (21.6 x 26.2")

Curl:

- 0 to +6 according to ISO 4330, 1994 Method A

Capacity of film magazine:

- Stores up to 3 rolls of film or polyester plate.

Capacity of media rolls:

- 60 metres / 200 feet (0.10 mm / 4 mil)

- 30 metres / 100 feet (0.18 mm / 7 mil)

Operator Console

The ImageMaker is operated from a PC with Purup-Eskofot Control software which features status display for jobs being exposed, as well as status of the ImageMaker Maestro, statistical features and a modem connection.

Options for Imagesetter

- Built-on climate control

- On-line processor

- Laser diode, 780 nm

- Argon Ion Laser

- Customer-specified register system

Power

110-120/208-240 VAC, 50/60 Hz,
2 or 3 phase.

Power supply hold-up time: 20 msec

Consumption: max. 3.2 KVA

Operating Environment

ImageMaker Maestro operates in full daylight.

Room temperature with built-in climate control in
the ImageMaker Maestro:

- 15-35°C (59-95°F)

Humidity: 20-80% RH, non-condensing, max.

17g water/kg air

Room temperature without built-on climate
control in the ImageMaker Maestro:

- 20°C ±2°C (68°F ±3.6°F)

Humidity: 50% RH, = 5% non-condensing

Acoustic noise

Max 55 dBA

Safety

CE UL, FDA approved.

Physical Dimensions

Height: 1298 mm (51.1")

Width: 1720 mm (67.6")

Depth: 750 mm (29.5")

Weight: 700 kg (1680 lbs)

(max. configuration)