THERMOFLEX™ WIDE I
SPECIFICATIONS

Product Description

Creo's ***ThermoFlex™ Wide I*** is an affordable, manually loaded, very large format plate imaging device that can image on direct-image flexographic plates and film.

Prerequisites

- Creo TIFF Front End. (Please consult your Creo representative for the latest TIFF Front End and Server specifications)

Available Configurations

- 3648 F
- 5067 F
- 5280 F

Components

Standard Hardware:

- Plot Engine 1320 mm x 2032 mm (52" x 80")
- Very High Power Thermal Imaging Head - 2400 dpi
- External support equipment with enclosures
  - Externally vented debris removal vacuum and filter cabinet
  - Drum Vacuum system
  - Recirculating Chiller

Documentation Included:

- ThermoFlex™ 3648/5067/5280 Operator Manual

Consumables Included

- One set of device and debris removal filters. The customer must purchase subsequent filters.
- Two TFX Head windows

Options

Optional Hardware:

- V imaging speed option
- Letterpress plate capability
- Internally vented debris removal cabinet
- 4.7mm (.187”) thick plate capability

Input

5280 Media Size:

- Around drum: 1320mm (52") maximum, 254mm (10") minimum
- Along drum axis: 2032mm [80”] maximum, 203mm (8”) minimum

5067 Media Size:

- Around drum: 1270mm (50") maximum, 254mm (10") minimum
- Along drum axis: 1702mm [67”] maximum, 203mm (8”) minimum

3648 Media Size:

- Around drum: 1219mm (48") maximum, 254mm (10") minimum
- Along drum axis: 914mm [36”] maximum, 203mm (8”) minimum

Media Type[1]:

- Thermal IR-sensitive flexographic photopolymer media and thermal film, 830 nm

Media Thickness:

- Digital flexographic plates: 0.76 mm to 3.94 mm (0.030” to 0.155")
- Film: 0.18mm (0.007”)

Output

Image Area:

- Around drum: plate size less 25.4mm (1”)
- Along drum: plate size less 25.4mm (1”)

Halftone Screening:

- 2% - 98% at 175 lpi

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Performance

Imaging Time [2]:
- F Speed: 4.0 sqm (43.3 sq ft) per hour (50.8mm (2") per minute linear speed)
- V Speed: 5.4 sqm (58.1 sq ft) per hour (66mm (2.6") per minute linear speed)

Repeatability [3]:
- 8 microns [0.3mils] between two certification media plates imaged by the same ThermoFlex device (at largest plate size)

Environmental Conditions
- 17° to 25°C (63° to 77°F) and 30% to 70% relative humidity, non-condensing[4]
- Prepress or platemaking environment
- Compliance with ThermoFlex Site Preparations and Requirements document 73-3186A

Electrical Requirements
- Refer to the ThermoFlex™ Site Preparations and Requirements document 73-3186A

Equipment Dimensions
- Width 3124 mm (123")
- Depth 1855 mm (73")
- Height 1003mm (39.5")

Equipment Mass (Weight)
- 1134 kg (2500lb)

Regulatory Compliance

Safety:
- UL 1950
- CSA 950
- EN 60950/ IEC 950
- CDRH 21 CFR 1040 Class 1 Laser Product
- EN 60825/ IEC 825

EMC:
- FCC Part 15 - Class A
- EN 55022/ CISPR-22 - Class A
- EN 50082-2/ IEC 1000-4 (-2,-3,-4,-6)

Emissions: All Creo ThermoFlex™ devices include a debris removal system to extract and filter airborne emissions that may be released when imaging qualified flexographic media. Extraction and filtration efficiency is media dependent. Please consult a Creo representative for any supplemental air exchange or ventilation requirements.

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1 Creo approved media only. Contact a Creo representative for specific media information.

2 Imaging performance is media dependant. Consult your Creo representative for media-specific imaging throughput and resolution.

3 Specification applies to features within an image when using certification media plates with a modulus of elasticity of $10x10^6$ psi or greater (aluminum).

4 Flexographic media is very sensitive to humidity changes. All media must be imaged at the same humidity value within the specified range. Some plates may restrict the operating range of the ThermoFlex system. Consult the plate manufacturer for their recommended temperature and humidity ranges for plate operations and storage conditions.