THERMOFLEX NARROW

FULL PRODUCTION SPECIFICATIONS

Product Description	• Creo ThermoFlex® Narrow is a narrow format, manually loaded computer-to-plate imaging device for digital flexographic and letterpress plates.
Features and Benefits	• Plates thickness up to 0.197” / 5 mm • Multi resolution • High speed imaging • Simple loading unloading
Product Version	• Full Production
Available Configurations	• V Speed
Prerequisites	• Creo Tiff Front End or Brisque version 4.1
Components	
Standard Hardware:	• ThermoFlex Narrow engine • Monitor, keyboard and mouse • Debris removal vacuum and filter cabinet
Optional Hardware	• Internally Vented Debris Removal Cabinet (includes one chemical filter)
Standard Software:	• ThermoFlex Narrow controller software version 1.31.350.002 and higher
Documentation Included:	• ThermoFlex Narrow User guide • ThermoFlex Narrow Installation guide • ThermoFlex Narrow Site prep guide • ThermoFlex Narrow Safety guide
Consumables Included:	• One set of device and debris removal filters. The customer must purchase subsequent filters

Media

Media size (max/min):	• Around drum circumference:
	  o 30"/ 762 mm maximum.
	  o 6"/ 152 mm minimum
	• Along drum axis:
	  o 30"/ 762 mm maximum
	  o 6"/ 152 mm minimum

Media type:	• Qualified Thermal[1] (830nm) IR-sensitive digital flexographic plates and film
Media thickness:	• 0.004” to 0.197” / 0.1mm to 5mm
Light source:	• Infrared laser diode

Imaging

Image area:	• Around drum circumference:
	  o 28.9"/ 735 mm maximum.
	• Along drum axis:
	  o 30"/ 762 mm maximum

Resolution:	• Variable from 2032 – 3556 dpi / 80 –140[2] dpm limited to approved screen sets.
Approved screen sets:	• Contact your Creo representative for the latest approved screen sets.
Halftone Screening	• 2% to 98% at 175LPI line screen and lower

[1] Consult with your Creo representative for the latest list of qualified media

Performance

Imaging time[3]:	• V speed imaging: 3.8 in/min / 96mm/min @ 2540 dpi
Load/Unload cycle:	• Manual load cycle is operator-dependent. • Typical unload / load time is 2.0 minutes
Throughput[3]:	• V speed imaging: 8 minutes for a full size plate @ 2540 dpi
Accuracy:	• ±0.8 mil / ±20 microns absolute accuracy (at largest plate size)
Environmental Conditions	• 21 to 25° C / 70.5 to 76.5° F • 50 to 60% relative humidity (non condensing)
Electrical and Pneumatic Requirements	• Line voltage - 2 phase supply , 120V 25A configuration, or 1 phase in 220V 25A supply. • Supply voltage of 200-240 Vac ±10%. • Supply frequency variation up to 50/60 Hz ±2%.

Equipment Dimensions

Imager	• 69”x36”x53” / 1760x900x1340 mm (W x D X H)
Debris Removal System	• 26”x15”x33” / 660x380x825 mm (W x D x H)

Weight (approx.)

Imager	• 1650- lb / 750 kg
Debris Removal System	• 73 lb / 33 kg
Floor space:	Total space recommended for equipment is: • 148”/3760mm x133”/3380 mm

Regulatory Compliance

Safety	• European Machinery Directive 98/37/EC • EN60204-1 • EN292-2

[3] Imaging time is dependent on media sensitivity. All values are for media sensitivity of 3000mj/cm². See your Creo representative for med ia-specific imaging times

Laser:	• EN60825-1 Class 1 laser product. (CE mark) • USA Federal Regulations 21CFR1040 (class 1 laser product)
EMC/FCC	• European EMC Directive 89/336/EC as amended by 92/31/EC and • 93/68/EC, • EN55022: 1998, class A. • EN61000-3-2: 1995, • EN55024: 1998. EN61000-4-2, -4-3, -4-4, -4-5, -4-6, -4-8, -4-11. (CE • mark) • USA Federal Regulations FCC part 15 class A
Emissions	• All Creo ThermoFlex devices include a debris removal system to help extract and filter airborne emissions (chemical and/or particulate) that may be released when imaging flexographic media. Extraction and filtration efficacy is media dependant. Please consult a Creo representative for any supplemental air exchange / ventilation requirements.