



Monotype Systems  
LIMITED

# Panther FasTRAK



## HIGH-SPEED, LARGE-FORMAT METAL PLATESETTER

The Panther FasTRAK™ Metal Platesetting System images from computer directly to plate for a faster and more economical workflow. The Panther FasTRAK system brings PrePRESS' characteristic high speed and high quality to a plate recorder designed for rigorous production of aluminum printing plates from sizes as small as 305mm x 381mm up to 625mm x 914mm (24.625" x 36").

### Improves Productivity

The Panther FasTRAK system improves productivity. It eliminates time-consuming and labour-intensive steps from the production cycle to get work on press quicker. No more photomedia output and processing, no more manual stripping, no more separate platemaking. By going from computer directly to plate, you're on a fast track to the printing press.

### Reduces Cost of Consumables, Labour and Equipment

The Panther FasTRAK system saves you money. By eliminating unnecessary production steps, the Panther FasTRAK platesetter saves the cost of expensive equipment, film, other consumables, and labour. And the Panther FasTRAK platesetter's extremely affordable price makes computer-to-plate technology accessible to printers of all sizes.

### Field-Proven Technology

The Panther FasTRAK system is reliable. The Panther FasTRAK platesetter brings field-proven Panther technology to the computer-to-plate arena. The Panther FasTRAK platesetter is driven by the Panther RIP, featuring true Adobe® PostScript®3™, and available for Power Macintosh® or Windows NT™ PC workstations. PrePRESS engineers started from a foundation of experience in PostScript processing, imaging optics, and laser recording engines to develop the Panther FasTRAK system to meet your deadlines – plate after plate. Alternatively, FasTRAK can be driven by PrintExpress or RipExpress.

### Eight Standard Resolutions

The Panther FasTRAK platesetter features eight standard resolutions from 400 to 1000 dpcm (1016 to 2540 dpi) with imaging speeds as fast as 57 seconds for the largest size plates. Various processors connect directly to the Panther FasTRAK platesetter for on-line operation.

### Plate Loading Options

The Panther FasTRAK system offers a choice of plate-loading options. For maximum efficiency, a fully automatic plate loading option with a capacity of up to 350 plates is available. Semi-automatic plate loading is also supported in both safelight and roomlight environments. Plate loading / unloading time typically overlaps other recorder functions, adding no additional throughput time.

The Panther family's modular architecture lets you configure a system for your exact application

Related products include:

- Panther RIP
- ESCOR III™ and ESCOR-FM™ Screening
- Panther OPI
- Panther Compression Option

# Panther FaSTRAK

# PrePRESS



## RIP Hardware Platform:

Various configurations are available for Power Mac platforms, and PC/NT platforms, depending on application requirements.

## RIP Software:

The Panther Licensed Software Package includes the Adobe™ CPSI PostScript 3 Interpreter, device drivers, screening and font management software. Additional screening and font options are available.

### Optional:

ESCOR III Screening  
ESCOR-FM Screening  
Panther OPI – Power Macintosh  
Panther OPI – Windows NT v3.51 (or higher)  
Panther OPI – Solo Integrator™  
PrePRESS RIP Tracker

*Alternatively, faSTRAK can be driven by Monotype Systems*

*PrintExpress or RipExpress*

## Recorder Specifications

Full Image Area: 625mm x 914mm maximum (24.625" x 36")

Spot Sizes (nominal):

Continuously variable from 14µm(0.0006")at1000dpcm (2540 dpi) to 35µm (0.0014") at 400 dpcm (1016 dpi.)

Image Position: ± 25µm (±0.001") between image & edge registration pins.

Repeatability: ± 25µm (±0.001") between two plates made by same platesetter.

## Imaging Time for Full Image Area:

57 seconds at 400 dpcm (1016 dpi)  
68 seconds at 472 dpcm (1200 dpi)  
71 seconds at 500 dpcm (1270 dpi)  
100 seconds at 600 dpcm (1524 dpi)  
140 seconds at 709 dpcm (1800 dpi)  
178 seconds at 800 dpcm (2032 dpi)  
249 seconds at 945 dpcm (2400 dpi)  
279 seconds at 1000 dpcm (2540 dpi)

## Recording Method:

Argon-Ion Laser (wavelength 488nm); for Silver-based plate material

## Optional Recording Method:

Frequency-Doubled YAG Laser (wavelength 532nm); required for Photopolymer plate material

## Page Buffer Disk Drives:

Dual Page Buffer hard disk drives standard.  
Optional Multiport: Up to 3 additional input ports, may be added to the one standard port.

## Output Media Specifications

Media Sizes: 625mm x 914mm maximum (24.625" x 36")  
305mm x 381mm minimum (12" x 15")

### Substrate & Media Thickness:

Aluminum Sheets. Ranges from 0.15mm to 0.4mm (0.006" to 0.018") in thickness

### Emulsion:

Supports silver or photopolymer-based digital printing plates.  
Contact your local sales representative for more details.

## Interface:

SCSI II or Laserbus to RIP platform.

## Operating Environment:

Vibration-isolated and dust-safe. Can be located in pressroom.  
Temperature:16° to 32°C (60° to 90°F)  
Humidity:40% to 90% non-condensing  
Ambient Light:EncapSulite R10 (red), roomlight optional

## Electrical Req:

190-254VAC, 48-60Hz, 20A, single-phase, (Dedicated power line be minimum 10 Amp rating, with isolated third wire ground.)

## Certifications:

UL 1950, CSA C22.2 No. 950; TUV (IEC 950) FCC Class A, Canadian DOC; 21 CFR 1040.10 Class I EN60950/IEC 950; EN55022 Class A; EN50082-1; IEC 825/VDE 0837 Class 1

## Operational Weight:

395kg (870 lbs.) (Recorder)  
91kg (200 lbs.) (Daylight Load Cart)  
250kg (551 lbs.) (AutoLoader)  
138kg (304 lbs.) (AutoLoader Cart)  
460kg (1,015 lbs.) (Processor, may vary)

## Operational Dimensions:

Platesetter Recorder: 175cm x 132cm x 89cm  
69" (L) x 52" (H) x 35" (W)  
Daylight Load Cart: 122cm x 132cm x 81cm  
48" (L) x 52" (H) x 32" (W)  
AutoLoader: 163cm x 132cm x 81cm  
64" (L) x 52" (H) x 32" (W)  
AutoLoader Cassette Cart: 132cm x 94cm x 89cm  
52" (L) x 37" (H) x 35" (W)  
On-line Processor: 231cm x 78cm x 117cm (DuPont SLT70N)  
91" (L) x 31" (H) x 46" (W)  
(Processor dimensions will vary with model u

## Shipping Weight and Dimensions:

Platesetter Recorder:  
700kg (1,541 lbs.), 218cm x 157cm x 122cm  
86" (L) x 62" (H) x 48" (W)  
Daylight Load Cart:  
409kg (899 lbs.), 130cm x 155cm x 122cm  
51" (L) x 61" (H) x 48" (W)  
AutoLoader: 483kg (1,063 lbs.), 178cm x 152cm x 107cm  
70" (L) x 60" (H) x 42" (W)  
AutoLoader Cassette Cart:  
294kg (647 lbs.), 155cm x 112cm x 102cm  
61" (L) x 44" (H) x 40" (W)  
On-line Processor:  
596kg (1,314 lbs.), 180cm x 152cm x 140cm  
71" (L) x 60" (H) x 55" (W)  
(Processor dimensions may vary according to model)

## Options:

System for Photopolymer plate material Daylight Load Cart; 25  
100 plates\*  
AutoLoader; 230 to 350 plates\*  
Plate Feed Table  
Plate Exit Table  
On-line processor interface

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## Monotype Systems Limited

9 Perrywood Business Park, Salfords, Redhill  
Surrey RH1 5JR England

Registered No: 2712661 England. VAT No: GB 602 4085 80

Telephone: +44 (0) 1737 768644 Facsimile: +44 (0) 1737 771827

Email: mono-uk-sales@monosys.com Int. Sales: mono-intl-sales@monosys.com



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