



CTP
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SPECIFICATION:

Laser type	Violet 120 mW laser diode (405 nm)
Drum	Internal aluminium alloy with hard anodised finish
Max plate	745 (register edge) x 615 mm, 0.3 mm thick (29.4" x 24.2" x 0.012") (XL Option 29.9" x 25")
Min plate	335 (register edge) x 400 mm, 0.15 mm thick (13.2" x 15.8" x 0.006")
Grip edge	15 mm (.59") minimum at front edge of plate
Image area	745 x 600 mm (29.4" x 23.6") maximum
Spot size	10 microns
Resolution	2540 dpi
Repeatability	± 5 microns image to image; ± 25 microns plate to plate
Imaging speed	6 mm per second, using 36,000 rpm single-facet spinner
Throughput	Up to 20 plates per hour B2/4-up; Up to 25 plates per hour B3/2-up
Plate handling	Manual load and unload or Manual load and automatic unload model
Plate types	Violet sensitive aluminium plates - Silver and Photopolymer Yellow safe light required for plate handling
Registration	3-pin touch sensitive registration with automatic clamp
Approvals	CE certification: EN61000 EMC including FCC CFR47, EN60950 LVD, EN60825 Laser, MET-UL: UL60950
Dimensions	1410 x 1225 x 940 mm (w x h x d) - 4'8" x 4' x 3'
Weight	300 kg (engine and front-end PC), 410 kg (in single crate)
Operating Environment	+15°C to +25°C, 20% to 60% relative humidity (non-condensing)
Platform	High spec internal Windows PC
File formats	Images 1-bit TIFF bitmap files, compressed formats CCITT Group 4, LZW and PackBits.
RIP	Navigator Harlequin RIP supporting PS, PDF and XPS
Applications	Engine control and plate management software
Diagnostics	Remote diagnostics as standard
Job Archival	Writable CD ROM

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PERFORMANCE

- Superb imaging quality
- 120mW violet laser diode
- Screening resolutions of over 200 lpi
- Output up to 20 B2 plates per hour

SIMPLICITY

- Easy to use control software
- Simple plate handling
- Reliable and accurate imaging
- Minimal training requirements

VERSATILITY

- Images all violet plates on the market today
- Sizes from 745x615mm down to 340x400mm
- Online or offline processing
- Plates punched after imaging

FUTURE PROOF

- 120mW laser diode gives a wide range of plate options into the future
- Chemical free capable
- Fast return on investment

ACCURACY MEETS CONSISTENCY.

Python uses a high precision internal drum and violet laser technology – a combination proven to give the most reliable and consistently accurate imaging on metal plate. Python’s superb imaging quality is achieved using a powerful 120mW violet laser diode. Its precise optical system is capable of imaging with screens at over 200 lpi, giving excellent results on plate and press.



SPEED MEETS EASE OF USE.

Python’s high speed spinner is designed for fast imaging. Combined with easy plate handling, Python can output up to 20 B2 plates per hour, including plate loading and unloading time. Python can also optionally be configured to automatically unload plates into a plate processor for semi-automated production.

PERFORMANCE MEETS EXCELLENCE.

Python, designed for the 2- and 4-up market, is supplied as either a manual load-unload or semi-automatic unload CtP engine. The plate is positioned on the table against the 3-pin, touch sensitive register system. The plate is clamped automatically and transferred to the high precision internal drum. The plate is retained in the clamp, in perfect register, while it is imaged at a resolution of 2540 dpi, at 6 mm per second. A B2/4 up plate is imaged in two minutes.



FLEXIBILITY MEETS EFFICIENCY.

The benefits of using Python in your workflow are compelling. Its quality and speed of output let you produce plates to meet the ever increasing demands of today’s printers. Combining all these benefits with low cost of ownership, Python provides affordable metal plate production with an excellent price/performance ratio. Additional features such as CIP3 ink-key setting and ROOM proofing help to ensure an investment for long-term success.



FULL FEATURES MEETS FULL POTENTIAL.

The Python system includes a high-spec workstation running the powerful Navigator Harlequin RIP, with a full complement of software applications that enable rapid processing and output of jobs to plate. Using HighWater’s Barcode Plate Requeue software, which adds a unique plate identification mark to each plate, users can easily retrieve jobs for re-output by simply scanning the barcode. Data integrity is guaranteed when HighWater’s optional PixelProof software – this RIP Once Output Many (ROOM) proofing solution utilises the actual high resolution plate separations to create colour managed proof output on a wide range of inkjets, laser printers and colour copiers, before outputting to plate on the Python.

PYTHON SYSTEM

STANDARD PACKAGE	Python CtP Engine Controller PC CtP Console and utilities Navigator Harlequin RIP Barcode Plate Requeue HWRoam
PROOFING OPTIONS	PixelProof ROOM ProofReady Plugins
WORKFLOW OPTIONS	Quickflow PDF workflow Simple Imposition TrapPro ColorPro HDS
PRESS DATA OPTIONS	KeySetter Light KeySetter Pro KeySetter Connect

