

# PYTHON

Making CtP work for you



Quality, reliability and speed....

Performance you *can* afford

**HIGH**  
**WATER**



## Key Benefits

- **Quality**

Python's imaging quality is superb with the powerful 60mW violet laser. Its precise optical system is capable of imaging with screening resolutions of over 200 lpi, giving excellent results on plate.

- **Speed**

Python's high speed spinner is designed for fast imaging. Combined with easy plate handling, Python can output up to 25 plates per hour, including plate loading/unloading time.

- **Reliability and Accuracy**

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.

- **Affordable Performance**

Python's low cost of ownership and competitive return on investment gives benefit from one of the most affordable CtP systems on the market.

- **Ease of Use**

Python's design philosophy makes platemaking easy – it's so simple that virtually anyone can use the system to produce plates quickly and reliably.

- **Versatility**

Python images plates varying in size from 745x615 mm down to 340x400 mm, giving a wide range of job sizes and formats. For maximum flexibility in the press-room, the plates are punched after imaging using the specific press punch.

- **Future Proof**

Python is capable of imaging all silver and photopolymer violet plates currently on the market, to give a wide range of plate options now and into the future.

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 mounted on a flat table, correctly positioned in the 3-pin, touch sensitive, register system. The plate is clamped automatically and transferred to the high precision internal drum. Here it is exposed using Python's advanced laser-optics system. 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 plate takes two minutes to image.



The Python system includes a high-spec workstation running a Torrent Level 3 PostScript RIP, with a full complement of software applications that enables rapid processing and output of jobs to the Python.

Using HighWater's Barcode ID identification software, which leaves a unique plate identification mark on the plate, users can easily retrieve jobs for output.

# B2 Metal CtP

# Computer to Plate



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### Making CtP work for you

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 print shop.

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.

Data integrity is guaranteed when using PixelProof Server software – the same RIP is used to send proof output to inkjets, printers and colour copiers, before outputting to Python.

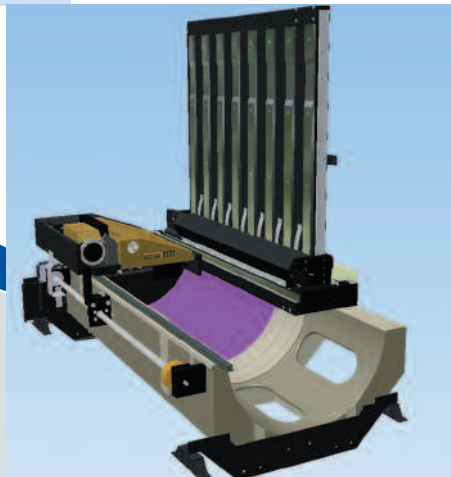
#### Python Workflow Options

<b>RIP</b>	Simple 4-up Imposition HWRoam TrapPro JDF compatible
<b>Proofing</b>	PixelProof ROOM solution Torrent ProofReady
<b>Press Data</b>	InkMonitor Light InkMonitor Pro
<b>Tools</b>	Barcode ID Plate Identification Mark



Internal drum imaging

Flat bed plate handling



# PYTHON

## Computer to Plate

### Specification:

<b>Laser type</b>	Violet laser diode, 405 nm, 60 mW
<b>Drum</b>	200 mm radius, 180° Aluminium Alloy with hard anodised finish
<b>Max plate</b>	B2/4 up – 745 x 615 mm, 0.3 mm thick (29.4" x 24.2" x 0.012")
<b>Min plate</b>	B3/2 up – 335 x 400 mm, 0.15 mm thick (13.2" x 15.8" x 0.006")
<b>Grip edge</b>	15 mm (.5") minimum at front edge of plate
<b>Image area</b>	745 x 600 mm (29.4" x 23.6") maximum
<b>Spot size</b>	10 microns
<b>Resolution</b>	2540 dpi
<b>Repeatability</b>	± 5 microns image to image; ± 25 microns plate to plate
<b>Imaging speed</b>	6 mm per second, using 36,000 rpm single-facet spinner
<b>Throughput</b>	Up to 20 plates per hour B2/4-up; up to 25 plates per hour B3/2-up
<b>Plate handling</b>	Manual load and unload or Manual load and semi-automatic unload model
<b>Plate types</b>	Violet sensitive aluminium plates Silver and Photopolymer Yellow safe light required for plate handling
<b>Registration</b>	3-pin touch sensitive registration with automatic clamp
<b>Punching</b>	Punch after imaging, for specific press
<b>File formats</b>	Accepts 1-bit TIFF bitmap files, compressed formats CCITT Group 4, LZW and PackBits, PDF Application level includes all engine control and plate management software Connection to PC via PCI bus interface, with Windows 2000 driver
<b>Approvals</b>	CE certification: EN61000 for EMC include FCC part 15, EN60950 LVD
<b>Dimensions</b>	1410 x 1225 x 940 mm (w x h x d) - 4'8" x 4' x 3'
<b>Weight</b>	300 kg (engine and front-end PC), 410 kg (in single packing crate)
<b>Operating Environment</b>	+15°C to +25°C, 20% to 80% relative humidity (non-condensing)
<b>Platform</b>	Pentium PC with Windows
<b>RIP</b>	Torrent (Harlequin) L3 PostScript RIP, PDF 1.6 compliant
<b>Applications</b>	Q2 Output Controller, Plate Management Software
<b>Diagnostics</b>	Remote diagnostics as standard
<b>Job Archival</b>	Writeable CD ROM

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