

Violet, FD-YAG, Thermal.....

OASIS

Computer-to-Plate System

.... Choose the CTP technology that suits your needs

OASIS brings a choice of lasers, format sizes, semi or fully automatic loading and all with the emphasis on the highest quality image and efficient plate production. With this choice of lasers you can select between photopolymer and silver plates from several manufacturers. Oasis Thermal will be available from early 2003.

Hold open the options to change technologies as your needs change. **OASIS** offers a choice of laser heads. Changes between violet 10mW and 30mW heads as well as FD-YAG can be made with the machine in situ.

The external drum system provides the classic principle for reliable, accurate and ultimate quality as well as simple, no hassle operation.

Available in three sizes, **OASIS** caters for eight up, four up or two up plates. All three machines employ the same core technology, only the drum size changes.

Plates, either pre-punched or plain are loaded onto the drum either semi automatically simply by sliding them into the input slot, or via an optional fully automatic system. Either way, the plate is automatically located and clamped onto the drum, regardless of its size. The exchangeable laser head images with 128 scan lines simultaneously onto the plate as it rotates with the drum. After imaging the plate is either ejected out of the same front slot, or if an on-line processor is used, out of the rear.

The optional fully automatic system provides completely unattended operation. Up to twelve cassettes with varying sized plates are available for automatic selection. Slip sheets are automatically removed before the plate is robotically loaded to the drum.

The footprint is kept very small with all of these machines. Even the fully automatic versions adopt a clever layout which keeps the floor space used to a minimum.

When taking into account the features and flexibility that **OASIS** offers, the price is very competitive against comparable machines. The eight-up B1 violet machine being 120,000 Euro. Cost savings against running and maintaining a CTF line with conventional plate making can mean that these machines start to pay back in a very short time.

Image quality too is far superior to CTF since the plate gets the first generation image, not the second as with conventional plates.

Workflow systems connect to **OASIS** using either a TIFF spooler or by RipExpress. Bespoke workflow systems to meet specific user requirements can be incorporated into the total **OASIS** package.

IPA Systems offers full support including remote diagnostics by our engineering team.



SYSTEMS LIMITED

IPA Systems - World Wide Pre Press Solutions

Specifications

Imaging Principle: External drum .

Laser: 5mW or 30mW Violet Laser Diode or FD-YAG. Laser is multiplexed to provide 128 image scan lines. Thermal laser option is forecast for 2003. Laser heads are exchangeable between types.

Plate Types:

5mW violet;	Mitsubishi Silver Digiplate Alpha Violet Agfa Silver Lithostar Ultra LAP-V
30mW violet	FujiFilm LP-NV Violet
FD-YAG	FujiFilm LP-Nxx Western Litho LY-5, LV-1 Agfa N91

Plates are either pre-punched or plain edged

Max. Plate Sizes:

Oasis B3	52 x 54 cm
Oasis B2	67.5 x 75 cm
Oasis B1	85 x 110 cm optional 85 x 130 cm

Min. Plate Size: All 20 x 20 cm

Plate Thickness: 0.006" - 0.016"

Imaging Speed: 15,360 scan lines/min. Hence a B2 plate will image at 2400 dpi in 4 min 34 secs and a B1 plate at 1200 dpi in 2 min 17 secs.

Resolution: Standard with a single resolution up to 3810 dpi. Option with dual resolution changer optic to produce a pair. For example 2540 dpi and 1270 dpi selectable automatically by separate RIP print queues.

Plate loading: **Semi Automatic loading** is standard. Plates of any size within the machines range are laid on the feed table and guided into the input slot by an alignment rail. The leading edge of the plate either registers with pins on the drum if punched, otherwise is located by edge sensors. The operator depresses a foot switch which clamps the plate leading edge and rotates the drum one revolution pulling the remainder around the drum until the trailing edge is sensed. The trailing edge of the plate is then clamped. After imaging, the plate is either automatically returned to the feed tray or exited through another slot at the rear into an on-line processor. The machine is operated in the appropriate safe light environment for the plate type in use.

Fully Automatic plate loading is optional. This eliminates the need for an operator and so provides a fully non-attended system. The machine is equipped with a magazine which holds either four, eight or twelve cassettes for varying sized plates. During the loading operation, the required plate cassette moves into a position where a robotic mechanism first removes the slip sheet and then picks up the top plate with vacuum pads. It is then transported across the top of the Oasis and lowered onto the feed tray from where it is fed into the input slot. After imaging, the plate is transported to the processor. Each plate cassette holds up to 100 plates.

Data Input: A choice of input methods can be selected from the options. Oasis can be driven directly by RipExpress or PrintExpress via Laserbus. Alternatively, third party RIPs such as Harlequin or Panther can be connected via a TIFF spooler system.

A range of workflow systems are available to suit user requirements.

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