SPYDER III

COMPUTER-TO-SCREEN SYSTEM

EXILE TECHNOLOGIES

EXILE Technologies has improved the Spyder computer-to-screen system, again! The new Spyder III now prints at double the resolution of its predecessor, providing sharper detail, finer halftones and smoother gradients. This exceptional quality is printed at even faster print speeds than before. Incorporating the latest phase-change printhead technology, the Spyder III's industrial printhead has over three times the number of jets than older models, improving throughput and quality. The dots produced by this unique head are one third the size of the previous Spyder systems, allowing the Spyder III to print smaller font sizes, better reverses, and more detailed vector and bitmap graphics.

Simplify your pre-press production with this industrial computer-to-screen system. The Spyder III removes film from the screen-making process, eliminating cost, improving print quality, reducing labor and accelerating job turnaround times. Eliminate the error prone, manual positioning of color separations, and confidently know the job will be right when put on press.

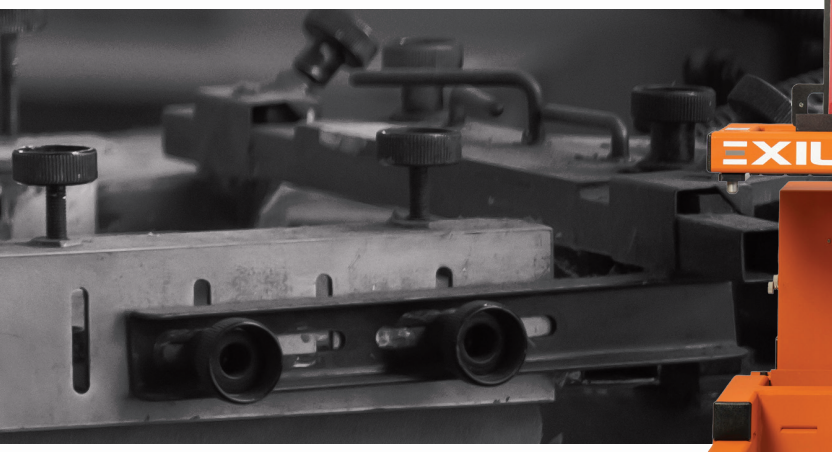
INCREASED SPEED MEANS

- BETTER MECHANICAL & PRODUCTION EFFICIENCY
- IMPROVED PRINT QUALITY
- ENHANCED DOT PLACEMENT

The Spyder III uses phase-change wax ink technology to produce the image mask on screen. This solid wax is heated and jetted onto the screen, where it re-solidifies into a high-density, light-blocking mask, that washes out easily after exposure. The high-density nature of the wax, coupled with the fact that it rests directly on the emulsion, means that more detail is retained than with a film exposure, which can suffer from poor density and light undercutting.

With easy to use touch-screen controls, the Spyder III makes it easy to preview and output jobs, as well as build templates for precise image placement. The Spyder III comes standard with an extremely fast and reliable RIP software that allows full user control over halftone dot shape, angle, and frequency. Color separations are rasterized by the RIP to a 1-bit tiff that are sent to the Spyder's control panel and show up as individual files that can be easily previewed, re-ordered and output. These files can be stored after the job is complete, much like storing film, and returned to the Spyder III whenever a repeat is ordered. If there are no changes to the job, the art room doesn't need to bother with printing the job again. This digital file is all that is required to produce the exact same artwork as before.

FAST & ACCURATE RESULTS



The Spyder III supports standard frames up to 30” x 40”. The frames lock in precisely against a 3-point registration system which provides extremely accurate placement of the image from color-to-color, screen-to-screen. Once paired with the registration system on the printing press, multi-color jobs lock into place with very little, or no micro-registration. This results in extremely quick press setups and, ultimately, more jobs printed per day.

- HIGH-RESOLUTION
- FASTER PRINT SPEED
- PRECISE REGISTRATION
- REDUCED LABOR
- FASTER PRESS SETUP
- IMPROVED QUALITY
- REDUCED EXPOSURE TIMES

EQUIPMENT SPECIFICATIONS	
Model	Spyder III Computer-to-Screen system
Technology	Phase-change inkjet / Solid ink
Resolution	1200 dpi
Halftone Capability	85 lpi @ 1200 dpi
Imaging Speed	Approximately 1.7 sq ft/min @ 1200 dpi / Approximately 2.1 sq ft/min @ 900 dpi
Accuracy	.001” from screen to screen
Power Requirements	120v/220v 50-60 HZ 15 amp
Compressed Air	Required
Network	Ethernet
Operating Temperature	50°F to 86°F / 10°C to 30°C
Operating Humidity	35% to 75% non-condensing
Ink Type	Solid block / Water dispersible photo resist mask

MODEL	SPYDER III DTS 30
Max Media Size	30 in x 40 in (76 cm x 101 cm)
Max Image Size	25 in x 30 in (63 cm x 76 cm)
Dimensions	32 in x 49 in x 61 in (79 cm x 124 cm x 155 cm)
Weight	505 lbs (229 kg)

RIP SPECIFICATIONS	
RIP Type	RTI Harlequin RIP
Platform	Mac and PC available
Screening	AM and FM (stochastic) screening available
Input File Formats	Postscript III, PDF, EPS, TIFF
RIP Options	Auto Trapping, Color Management / Proofing, Hybrid Screening

Backing the system is EXILE’s outstanding service and support. Whether onsite or over the phone or web, our technicians are sure to keep you printing smoothly and efficiently. Contact us to find out more about the Spyder III DTS.

EXILE TECHNOLOGIES

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