



SELECTSET 7000 POSTSCRIPT LASER IMAGE RECORDER

The SelectSet™ 7000 is the newest addition to Agfa's family of innovative, high-quality image recorders. Capable of imaging media up to 22 x 26 inches, the SelectSet 7000 enables commercial printers, color trade shops, and service bureaus to produce large-format color work that matches the exceptional quality of million-dollar "traditional" color systems — at a fraction of the cost.

Ideal for newspapers, books, and oversized graphics, the SelectSet 7000 can output repro for a 17 x 24 broadsheet page, films for a 4-up imposition of 8.5 x 11-inch pages, or printing plates for applications such as posters and packaging up to 22 x 26 inches. The large format is well-suited for high-quality sheet-fed

presses such as the Heidelberg MO Series and the new generation of "half-web" presses.

Like the award-winning SelectSet 5000, the SelectSet 7000's internal drum transport system and punch and pin

registration feature work together to ensure perfect registration and repeatability by holding the film stationary and securely in place during exposure. The moving helium-neon laser maintains a constant distance and orientation to the film, producing absolutely consistent halftone dot shape and density.

The SelectSet 7000 also features Agfa's proprietary OptiSpot™ technology, which matches laser spot size to output resolution in order to preserve color fidelity and hold maximum highlight and shadow detail.

The SelectSet 7000 can be matched with any of Agfa's Star series PostScript hardware RIPs, or with the new Cobra software RIP. The Star

series RIPs, the Star 400 and Star 600, use Adobe's latest PostScript software and RISC-based Emerald technology. Their advanced design allows for productivity-enhancing features like extended memory systems and higher-capacity hard disks.

For maximum throughput and imagesetter productivity, add a MultiStar RIP multiplexer. The MultiStar 400 and 600 offer an internal Star series RIP and a 2-channel multiplexer for connecting a second RIP. Lastly, Cobra is an Adobe CPSI-based PostScript software RIP on a Sun SPARCstation that provides fast processing, along with the expanded functionality of intelligent print spooling software.

In addition to the standard Balanced Screening Technology, the SelectSet line can also take advantage of Agfa's new CristalRaster™ Technology, a breakthrough in frequency-modulated screening that brings photographic-quality reproduction to high-resolution PostScript output. CristalRaster halftones are of continuous tone quality with no built-in

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The complete picture.

Product Specifications SelectSet 7000

structure characterized by screen ruling, screen angles or dot shape. They do not exhibit rosette patterns and are absolutely moiré-free. This field-proven imaging technology not only delivers better quality but also reduces prepress and press make-ready time.

In addition to quality color and fast performance, the SelectSet 7000 offers a range of features that enable you to process jobs quickly, efficiently, accurately—and economically.

The "intelligent imaging" capability lets you image only a portion of the drum, so you can process small jobs economically without ganging them. The automatic image-centering feature enables you to use the punch and pin registration system on all three media widths, 13.3", 16", and 26".

The Agfa Halftone Accelerator
The Star series hardware RIPs can include the Agfa Halftone Accelerator (HTA), which significantly speeds processing of large, continuous-tone files. A simple, plug-in board, the Halftone Accelerator can actually cut total processing time by as much as 50% on continuous tone files.

Physical

Engine:
Width: 60" (152.4 cm)
Height: 38" (96.5 cm)
Depth: 24" (61.0 cm)
Weight: 650 lbs. (295 kg)

Electrical Requirements:
110 - 230V, 50 - 60 Hz, 920 watts

Environment

Temperature:
64° - 84°F (18° - 29°C)
Relative Humidity:
35% - 85%, non-condensing

Features

Media Transport Technology:

Internal drum

Laser Technology:

Helium-neon

Resolution:

1,200, 2,400, or 3,600 dpi,
user-selectable

Image Area:

25.7" x 22" (65.3 x 55.8 cm) max.

Output Speed:

(26" x 22" area; 66.0 x 55.8 cm)

1:35 @ 1,200 dpi

3:15 @ 2,400 dpi

4:50 @ 3,600 dpi

Media:

Helium-neon paper, film, printing plates

26" - (66.0 cm), 13.3" - (33.8 cm) and

16" - (40.6 cm) wide

Thickness: 4 mil, 8 mil

Media Handling:

Automated, daylight loading

Spot Size:

7.5µ at 3,600 dpi

10µ at 2,400 dpi

20µ at 1,200 dpi

Repeatability:

± 0.2 mil

Line Screen:

300+

Registration:

Punch registration, user-selectable

Position: Job header/job tail

Header punch: one .250" dia. center

pin, four .250" x .375" slots at 4.25"

intervals (108 mm) on both sides of

center pin

Tail punch: .250" x .375" slot on image

centerline perpendicular to head punch

User Interface:

Icon-based control panel

Star Series PostScript RIPs (Hardware-based)

Page Description Language:

Adobe PostScript Level 1 (upgradeable to
Level 2 when available)

CPU:

33 MHz - MIPS® R.3500

RISC architecture

Star 400

Memory:

32 MB

Hard Disk:

422 MB

Optional HTA

Star 600

Memory:

64 MB

Hard Disk:

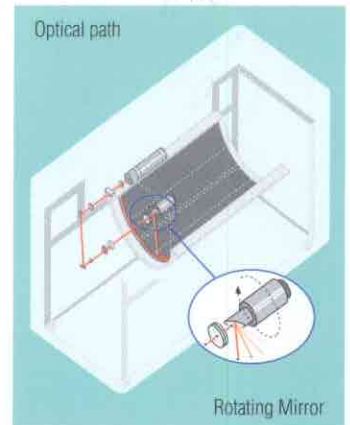
1 GB

Includes HTA

MultiStar 400 and 600

2-channel RIP Multiplexer

Includes Star 400 or 600 RIP with 2-channel multiplexer and two 422 MB hard disks; features real-time lossless data compression for page buffers



The SelectSet 7000's internal drum imaging system holds the imaging media stationary while the helium-neon laser maintains a constant distance and orientation to the media, creating halftone dots of absolutely consistent shape and density over a large format.

Cobra RIP (Software-based)

Page Description Language:

Adobe CPSI PostScript Level 1
(upgradeable to Level 2 with Adobe
PixelBurst™ when available)

CPU:

Sun SPARCstation IPX or 10

Memory:

32 or 64 MB

Hard disk:

1.3 GB

Option

Agfa CristalRaster™ Technology

This document was output as fully composed pages on an Agfa SelectSet 5000 PostScript image recorder.

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The complete picture.