



## ACCUSET POSTSCRIPT LASER IMAGESETTER

Agfa AccuSet™ laser imagesetters bring a powerful and affordable combination of imaging accuracy, system productivity, and long-term reliability to color prepress professionals. Through careful engineering and sophisticated components, AccuSet sets new standards for high-quality output. Agfa designed AccuSet from the ground up to provide superior graphics and precision color, incorporating technological breakthroughs derived from Agfa's industry-leading SelectSet™ imagesetters. The final result? An imagesetter that provides precise output of black-and-white and color separation files — quickly, easily, and consistently — at five resolutions from 600 to 3,000 dpi.

AccuSet imagesetters can be configured with any of Agfa's true Adobe PostScript raster image processors (RIPs). The entry-level AccuSet 1200 features an internal

Emerald-based hardware RIP. For more power and productivity, choose one of Agfa's new Star series of external Emerald-based PostScript RIPs, including the Star 400 and Star 600. When combined with one of Agfa's powerful PostScript RIPs, the new AccuSet system will deliver precise, quality output that you can count on job after job, day after day.

These new Star RIPs can take advantage of Agfa's HalfTone Accelerator (HTA) option, dramatically improving performance when working with images. This modular approach lets you choose capabilities, performance levels, and prices that meet your business needs now. And in the future, easy, economical upgrades give you maximum value from your investment.

AccuSet represents a new generation of capstan imagesetters and includes engineering innovations to major system components, including the optics, media transport system, and the laser. These innovations add up to precise imaging that you can depend on. But Agfa also provides other value-added enhancements. When you buy AccuSet, you get Agfa Balanced Screening Technology, Agfa's breakthrough PostScript screening technology, which provides crisp moiré-free output at all resolutions. And you're supported by Agfa's responsive service and technical expertise, unmatched in the industry. For accuracy, productivity, and reliability at an affordable price — no other imagesetter can match AccuSet.

## Product Specifications

### AccuSet PostScript Laser Imagesetter

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#### Optics Engineered for Accuracy

AccuSet's optics have one goal — accurate pixel placement for superior graphics. The system includes an innovative scanning module based on SelectSet's hydrodynamic spindle for reduced wobble. A single-facet optical prism and sophisticated closed-loop system synchronization keep the laser on target at all times. AccuSet gives you high-resolution graphics, focused spots, minimal dot gain, and smooth imaging without banding or artifacts. Now you can output even the toughest color challenges, such as high-percentage tints or dégradés.

#### Transport System Geared For Excellent Repeatability

AccuSet's smooth media motion results from unique tensioning rollers and other features that keep the media perfectly positioned for high-quality output. AccuSet provides excellent repeatability and consistency. The generous 84-pica, 14" (35.56 cm) page width lets you output larger jobs and rotate pages to conserve media and increase productivity. For convenience, AccuSet is designed for daylight operation and can be configured with an optional on-line processing bridge.

#### Laser Gives Reliable, Cost-Effective Performance

At AccuSet's heart is an advanced, second-generation laser — a visible red laser diode — chosen for consistent performance and reliable operation, all at a lower cost than earlier laser technologies. AccuSet's visible red media is stable, costs less than comparable media, and gives you worry-free, consistent output.



#### AccuSet Laser Imagesetter

##### Physical

Width: 32"  
Height: 39"  
Depth: 29"  
Weight: 355 lbs.

##### Environment\*

**Temperature:**  
65° - 85° F (18° - 29° C)

##### Relative Humidity:

35% - 85%, non-condensing

##### Electrical Requirements\*

115 V, 8A, 50/60 Hz  
(or 230V, 4A: 50/60 Hz)

##### Features

**Page Width:**  
84 picas (14", 35.56 cm)

##### Resolution:

600, 1,200, 1,800, 2,400, and 3,000  
dpi (user-selectable) for text and  
graphics

##### Maximum Imaging Speed:

(at full 14" page width)  
600-dpi resolution - 30" /min.  
1,200-dpi resolution - 15" /min.  
1,800-dpi resolution - 10" /min.  
2,400-dpi resolution - 7.5" /min.  
3,000-dpi resolution - 5" /min.

##### Imaging System:

Visible red laser diode (670nm)  
Single-facet prism

##### Spot Sizes:

20 microns (all other resolutions)  
35 microns (600 dpi)

##### Repeatability

+/- 1 mil (typical)  
(over five consecutive 13" x 18"  
outputs)

##### Input Cassette Capacity:

250 feet

##### Take-up Cassette Capacity:

50 feet

\*See system installation handbook  
for details.

#### PostScript RIPS

Star 200  
Star 400  
Star 600

##### Features

Page Description Language:  
Adobe PostScript Level 1  
(upgradeable to Level 2 when  
available)

##### Star 200 (internal RIP)

CPU: 20 MHz  
Emerald-based RISC architecture  
RAM: 16 Mb  
Hard Disk: 200 Mb

##### Star 400 (external RIP)

CPU: 33 MHz  
Emerald-based RISC architecture  
RAM: 32 Mb  
Hard Disk: 422 Mb

##### Star 600 (external RIP)

CPU: 33 MHz  
Emerald-based RISC architecture  
RAM: 64 Mb  
Hard Disk: 1 Gb

##### Additional Features:

Agfa Halftone Accelerator (HTA)  
Kanji and composite font support  
External SCSI port

##### Options:

Agfa Halftone Accelerator  
(for Star 200 and 400)  
MultiStar series RIP Multiplexers  
On-line processor

##### Font Options:

Agfa/Adobe PostScript Type  
Library on CD-ROM, downloadable  
third-party fonts, composite font  
support

##### Production Notes

The images in this data sheet were scanned using the Optronics ColorGetter Plus. Photos and illustrations were designed and assembled into fully composed pages using QuarkXPress 3.1. All pages were separated and output on the AccuSet imagesetter at 2400 dpi. Film separations were generated at 175 lpi (lines per inch) using Agfa Balanced Screening Technology and Agfa's new ZHN film. Color proofs for final approval were made using the AgfaProof off-press proofing system.

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