

JAVELIN 8300E

an entry level thermal platesetter where price over productivity is more important.

JAVELIN 8300S

a faster, more productive on-site upgrade from the Javelin 8300E

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Javelin 8300E/S

Luxe T-9300 CTP

EXTERNAL DRUM

thermal platesetters featuring quality and consistency.



Why is thermal computer-to-plate technology the system of choice for so many successful companies? There's no doubt about thermal CTP's reliable high-quality output. It is unrivaled for its superb sharp dots. Whenever quality is crucial, the natural choice is thermal. Its consistency for long run lengths and easy daylight handling are also important for many printers. And the bottom line is always about keeping the presses running.

The Javelin 8300S and Javelin 8300E are state-of-the-art thermal CTP recorders. They deliver the versatility and productivity you need to keep your presses running.

Both also offer optional inline plate punching for perfect on-press register and faster makeready times, as well as our acclaimed autoloader options for unattended plate loading. If you like the idea of running your pressroom at full capacity, you'll love the Javelin 8300 Series.

Javelin 8300 E/S Features:

- Unrivaled print quality
- Advanced external drum design
- Suitable for a wide range of plate sizes
- Intelligent auto-balance system
- Automatic inline punch system
- Ideal solution combined with Fujifilm Pro-T and LH-PJ thermal plates
- Fujifilm Co-Res and Taffeta screening options available

UNRIVALED PRINT QUALITY

The Javelin 8300S features a 32-channel light source, and combined with a high speed rotating drum, provides output up to 13 plates per hour. For a more economical choice, the Javelin 8300E utilizes a 16-channel light source and is capable of outputting up to 8 plates per hour.

Experience the exceptional screening reproduction that only thermal plate recorders can deliver. You have a choice of 2 advanced models to suit all your production requirements.



ADVANCED EXTERNAL DRUM DESIGN

The thermal Javelin 8300 series is constructed with a reliable external drum design. This makes it possible for the drum to spin at high speeds with the imaging head positioned close to the surface of the plate. Easy maintenance of the imaging head is another key advantage of this design. Individual laser diodes can be replaced as required.

INLINE PUNCHING SYSTEM INCREASES REGISTRATION ACCURACY



The Javelin 8300S and Javelin 8300E feature an automatic inline punching system that helps enable perfect register on press. Plates are punched by this automatic inline punching system immediately before loading on to the drum. Holes punched in the plates line up with registration pins on the drum, ensuring that the plates are always in the same position irrespective of plate size and squareness. This results in extremely high registration accuracy.

By adding optional press punch blocks (up to 8 punch blocks can be mounted and selected according to plate sizes and press types), imaged plates can be loaded straight on to the press. This eliminates any further manual steps, ensures high registration accuracy and creates the foundation for perfect results on press. The whole process shortens press makeready time dramatically and massively improves the efficiency of the whole operation.

PRODUCTIVITY UPGRADE

To meet your expanding production requirements, we have made it easy to upgrade the Javelin 8300E to the 8300S by simply replacing certain key parts. This eliminates excess costs and increases operating efficiency.

AUTOLOADER OPTIONS

The SAL single cassette autoloader can hold up to 100 plates with automatic interleaf paper removal. The MAL multi-cassette autoloader comes standard with three cassettes, each holding 100 plates with automatic interleaf removal. Two additional MAL cassettes are available as an option, which allows for five cassettes on-line making it possible to image 500 plates of five different sizes without operator intervention.



SPECIFICATIONS:

COMMON TO BOTH JAVELIN 8300E & 8300S

RECORDING SYSTEM

- External drum

REPEATABILITY

- ±5 microns (±0.2mil.)*

PLATE SIZE**

- Maximum: 45²¹/₃₂" x 37"
(1160 mm x 940 mm)
- Minimum: 12" x 14⁹/₁₆"
(304 mm x 370 mm)

EXPOSURE SIZE**

- Maximum: 45²¹/₃₂" x 36³/₈"
(1160 mm x 924 mm)
- Minimum: 12" x 14"
(304 mm x 354 mm)

MEDIA

- Thermal (infrared sensitive) plates

MEDIA THICKNESS

- 6 to 12 gauge (0.15 to 0.3 mm)
- 16 gauge factory option

INTERFACE

- Fast PIF

AUTOLOADERS**

SAL

- 100 plate capacity

MAL

- 100 plate capacity per cassette
- 3 cassettes standard
- 5 cassettes maximum

OPTIONS

- Punching-Heidelberg, Komori, and others
- Javelin 8300E to 8300S upgrade

ENVIRONMENT

- Recommended: 70°F – 77°F
- 40% to 70% relative humidity (non-condensing)

DIMENSIONS

- Main unit:
96.1"W x 51"D x 51.3"H (engine only)

POWER REQUIREMENTS

- Single phase 200-240V, 32A, 4.0kW

WEIGHT

- 2,530 lbs.

SPECIFIC TO JAVELIN 8300E

RESOLUTIONS

- 2400 dpi
- 2438 dpi
- 2540 dpi
(1200 dpi with 8300S upgrade)

LIGHT SOURCE

- 16 channel infrared laser diodes

IMAGING TIME

- 8 plates per hour @2400 dpi**
40.5" x 31.4"
(1030 mm x 800 mm plate)

SPECIFIC TO JAVELIN 8300S

RESOLUTIONS

- 1200 dpi
- 2000 dpi
- 2400 dpi
- 2438 dpi
- 2540 dpi
- 4000 dpi**5

LIGHT SOURCE

- 32 channel infrared laser diodes

IMAGING TIMES

- 13 plates per hour @2400 dpi**
40.5" x 31.4"
(1030 mm x 800 mm plate)

* Over four consecutive exposures on one plate at 73.4°F and 60% relative humidity.

**1 The Registration Punch Option is required for a plate width (across the drum) dimension between 23⁷/₃₂" x 24" (590mm – 610mm)

**2 Use of the 8mm clamps results in a 16mm reduction of exposure size. Use of the 12m clamps results in a 24mm reduction of exposure size. Maximum drum speed of 600 rpm for 8mm clamps or for plates smaller than 650mm x 550mm (25⁹/₁₆" x 21⁵/₈").

**3 Autoloaders (SAL/MAL) support a minimum plate size of 17¹¹/₁₆" x 14⁹/₁₆" (450 x 370). The SPK (small plate kit) option for the SAL/MAL and T-9001 Conveyor is required to support minimum plate sizes of 12" x 14⁹/₁₆" – 17¹¹/₁₆" x 14⁹/₁₆" (304 x 370 – 450 x 370).

**4 May vary depending on the sensitivity of the media and selected plate clamp.

**5 When outputting 4000 dpi, confirm output quality before use.

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