



DART 4600 Series

**external
drum
4-page and
midsize format
thermal platesetters**

Fujifilm's Dart series of CTP solutions are unbeatable for their quality, accuracy and reliability. They consistently output plates with a dot sharpness and registration accuracy that enable superior process control and fast makeready times. They also offer the benefits of easy daylight handling and exceptional production efficiency for both short and long runs.

The Dart 4600 Z, 4600 S, and 4600 E are specifically designed to provide optimal versatility in plate production for 4-page and 2-page presses. The Dart 4600 Z is new high-speed model that can comfortably and consistently output up to 33 plates per hour. The Dart 4600 S and E models are affordable entry level solutions which offer the same high-quality features as the Dart 4600 Z, and provide output up to 21 (4600S) and 11 (4600E) plates per hour.

All three models have a proven external-drum design, optional inline punching, and edge detect registration to help ensure on-press registration and improved makeready times. The choice has never been easier for making to move to high-quality thermal CTP.

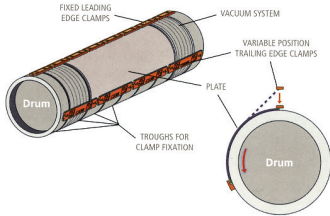
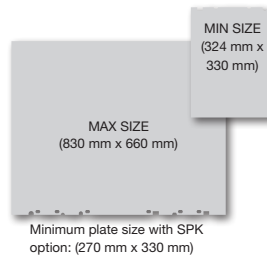
DART 4600E	an entry-level thermal platesetter where price over productivity is more important.
DART 4600S	a mid-level thermal platesetter with up to 21 plates per hour
DART 4600Z	new high speed 4-page platesetter with up to 33 plates per hour

Dart Series Features:

- Faster output speed – up to 33 4-up plates/hr at 2400 dpi (Dart 4600Z)
- Midsize 830 x 660 mm 4-up format
- Automatic drum balancing enables recording of different plate sizes with no manual adjustments
- Four resolution levels, from 1200 to 2540 dpi to fit a wide variety of jobs
- Fujifilm Co-Res Screening option, up to 300 LPI
- Full automatic, continuous operation with auto-loading options and processor bridge
- Optional inline punching for a variety of plate sizes and configurations
- Compact design
- Ideal solution combined with Fujifilm SUPERIA LH-PJ or Ecomaxx-T

SUPPORT FOR A WIDE RANGE OF PLATE SIZES

The Dart 4600 series can handle the plate requirements of a variety of 4-page press formats. All three models support a maximum plate size of 830 x 660 mm and are also capable of supporting smaller 2-page press formats with a minimum plate size of 324 x 330 mm. Also available is a small plate size option which increases the flexibility of the 4600 device by reducing the minimum plate size to 270 x 330 mm.



AUTO-BALANCE FOR DIFFERENT PLATE SIZES

Auto-balance lets you use a variety of plate sizes without making manual adjustments for correct drum balance. Simply select the type of plate and the Dart automatically makes the necessary adjustments to create perfect drum balance for the plate size. The Dart 4600 E/S/Z all feature

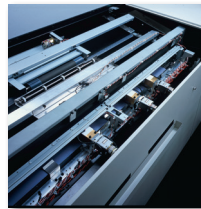
separate loading and unloading bays, allowing one plate to be readied for loading while another is being exposed.

SIMPLE UPGRADE

For increased productivity needs upgrade your Dart 4600E to a Dart 4600S by simply exchanging parts. This reduces waste expenses and improves the operational efficiency of the platesetter.

AUTOMATIC INTERNAL PUNCH

Dart's automatic inline punching system is the industry leader for enabling perfect register on press. It does this by performing press punching immediately before mounting the plate on the drum. This method gives a much greater registration accuracy compared with either manual or offline punching, eliminates human error, and achieves faster press makeready. Punch blocks from Heidelberg, Komori, Bacher, Protocol, Stoesser, Grapho Metronic, and Screen are available, covering the full range of sizes for all major press types. Up to four punchblocks can be mounted and selected according to plate size and press type.



AUTOMATIC LOADING AND UPLOADING OPTIONS

The Dart 4600 series can be configured for efficient automatic operation with optional autoloaders, which have been heralded for their reliability and precision. Both can be paired with a SA-L4600 (Single-cassette autoloader). This high quality unit can hold up to 100 plates and automatically removes interleaf paper before loading each plate. It is also possible to upgrade from the SA-L to the MA-L (Multi-cassette autoloader), which comes standard with three cassettes and enables up to 300 plates of three different sizes be loaded and imaged in the 4600 device without operator intervention.

The Dart 4600 series also have an optional built-in bridge option, which extends the process automation all the way through the plate processor.



SPECIFICATIONS:

Common to Dart Series

RECORDING SYSTEM

- ▶ External Drum

REPEATABILITY

- ▶ ±5 microns (±0.2 mil.)*

PLATE SIZE

- ▶ Minimum: (324 mm x 330mm)
- ▶ Maximum: (830 mm x 660 mm)
- ▶ SPK factory installed: (270 mm x 330 mm)

EXPOSURE SIZE

- ▶ 830 x 636 mm
- ▶ 12mm head and tail clamp

PLATE ORIENTATION

- ▶ Landscape
- ▶ Portrait

MEDIA

- ▶ Thermal (830 nm infrared sensitive) plates

MEDIA THICKNESS

- ▶ 0.15 to 0.3 mm

INTERFACE

- ▶ Gigabit Ethernet

OPTIONS

- ▶ Punching – Heidelberg, Komori, and other
- ▶ SAL-E Single-cassette autoloader
- ▶ SAL Single-cassette autoloader
- ▶ MAL Multi-cassette autoloader
- ▶ SPK (Small Plate Kit)

ENVIRONMENT

- ▶ Recommended: 70°F – 77°F
- ▶ Required: 65°F – 79°F
- ▶ 40% to 70% relative humidity (non-condensing)

DIMENSIONS

- ▶ Main unit: 69.7" W x 40.5" D x 46.7" H (engine only)

POWER

REQUIREMENTS:

- ▶ Single-phase 200 to 240V, 15A, 3.6kW

Specific to Dart 4300 E

RESOLUTIONS

- ▶ 1200 dpi
- ▶ 2400 dpi
- ▶ 2438 dpi
- ▶ 2540 dpi

DART 4600 E

LIGHT SOURCE

- ▶ 16 channel infrared laser diodes

IMAGING SPEED

- ▶ 11 plates per hour at 2400dpi (724 x 615 mm)

DART 4600 S

LIGHT SOURCE

- ▶ 32 channel infrared laser diodes

IMAGING SPEED

- ▶ 21 plates per hour at 2400 dpi (724 x 615 mm)

DART 4600 Z

LIGHT SOURCE

- ▶ 64 channel infrared laser diodes

IMAGING SPEED

- ▶ 33 plates per hour at 2400 dpi (724 x 615 mm)

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

*1 May vary depending on the sensitivity of the media.



THE FUJIFILM GREEN POLICY

We at Fujifilm believe that "sustainable development" of the Earth, mankind, and companies in the 21st century is an issue that must be addressed with the highest priority. As a socially responsible corporation, we actively undertake corporate activities with our environmental values in mind. We strive to be a dedicated steward of the environment and assist our customers and corporate partners in doing the same.