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Product bulletin

Purpose

There are three major guidelines and considerations to take into account when recommending V2.8 field upgrades: media type; image data format; and workstation hardware/software. V-speed upgrades include Quantum F to Quantum V2.8, or V2.0 to V2.8.

Use these guidelines to determine if the workstation hardware or software needs to be replaced to match the speed of the Trendsetter VLF. Speed limitations of media types and image data formats are also described.

Related Documents

The following reference documents are available on the TechPlanet or the SIP web sites:

- *Trendsetter VLF Throughput Comparison Tables*
- *Trendsetter VLF Thermal Exposure Heads*
- *CTP Media Imaging Performance Database*

Upgrade Guidelines

Media Type

Upgrading from V2.0 speed to V2.8 offers a speed increase only for media types with an exposure of 130 mJ/cm2 or less. Not all media rated at 130 mJ/cm2 are qualified for imaging at V2.8 speed. For the latest details, refer to the *CTP Media Imaging Performance Database* .

Media significantly faster at V2.8 than at V2.0:

- Agfa Thermostar P970
- IBF Million
- KPG Thermal Gold
- Mitsubishi LT-2
- Mirus PN
- Anocoil T plate
- Fuji Brillia LH-NI
- Fuji LH-PD/PF
- Fuji LH-PI/PI2/PIE

- Fuji LH-PJ/HP-S
- KPG DITP Gold
- KPG Electra 830w
- KPG Electra Excel
- KPG Exthermo LT-3
- KPG Exthermo TCC605
- KPG Exthermo TN-R
- KPG Exthermo TP-R
- KPG Sword
- KPG Sword Excel
- Lastra LT-2
- Toray RL5/RG5

Image Data Formats

Some formats take significantly longer for the RIP to process, potentially restricting throughput even with the fastest available workstation.

Image data formats that may be too slow to justify a V2.0 to V2.8 upgrade include:

- CopyDot
- CT/LW (raster data not screened yet)
- Raster PDF files

Workstation Hardware/Software

High throughput workstation hardware and software are required for large plates and moderate to high image complexity.

Large plate size:

- Four pages or more around the drum
- Imaging around more than about 60% of the drum circumference

Moderate to high image complexity:

- RIP-intensive images
- More graphics than text and white space

High throughput workstation hardware:

- 733 MHz dual processor or faster required—slower workstations should be replaced.

High throughput workstation software:

- Prinergy: Upgrade to Prinergy 2.0.5 or later and Print Console 2.0.2 or later.

- TIFF files: Upgrade to Print Console 2.0.2 or later.
- Allegro family: Latest version may provide minor improvements.
- Brisque: Only dual parallel Screen2Go (via TIFF Downloader) with Print Console 2.0.2 or later can currently drive V-speeds.
  Note: You may not see much benefit with V2.8.

About Kodak Graphic Communications Group (GCG)

The leading provider of graphic communications solutions worldwide, Kodak's Graphic Communications Group (GCG) offers image capture systems; professional color, copydot, and high-speed document scanning systems; inkjet printing and proofing systems; workflow and color management software; thermal imaging devices for film, plates, and proofs; high-quality proofing media, printing plates, and recording film; on-demand color and black-and-white printing systems; data storage products; and professional services. Creo joined the GCG in June 2005, when it became a wholly owned subsidiary of Kodak. With corporate headquarters located in Rochester, N.Y., Kodak (NYSE: EK) had sales of $13.5 billion in 2004 and is committed to a digitally oriented growth strategy.

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