

Digital Flexo Suite for Corrugated



The Digital Flexo Suite for Corrugated is a powerful and easy-to-handle workflow automation. It is perfect for any flexo plate making and for the flexo plate mounting department. The software bundle contains tools to enhance the plate making efficiency and to reduce plate wastage. These tools include job imposition, customizable hot folders, PlatePatcher, carrier sheet plotting, carrier sheet cutting, flexo plate cutting as well as flexo plate mounting.

Workflow

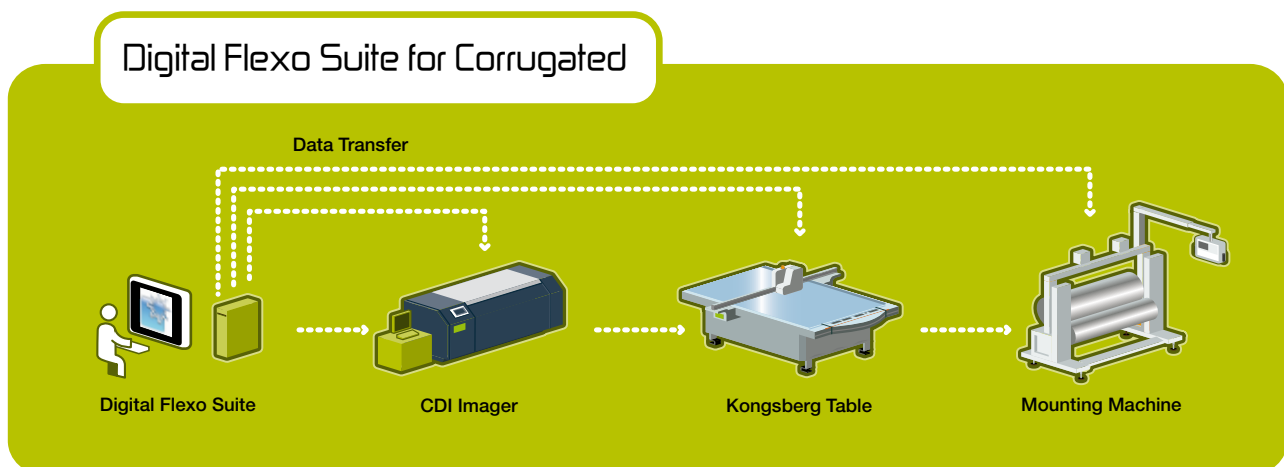
LEN or TIF files are uploaded into the Digital Flexo Suite and merged to reduce plate wastage.

LEN or TIF files are analyzed and split into smaller individual components to **reduce plate wastage** (PlatePatcher). Patches are imaged on the CDI and automatically cut out of the flexo plate by the Kongsberg XL table. The carrier sheet can be plot (Die-cut & patch map) and cut to size going through the Digital Flexo Suite workflow.

An optional **analogue paper mount workflow** (EPS output channel) can be added to Digital Flexo Suite for Corrugated. It allows outputting a patch map in EPS-file format. The EPS file is typically sent to a 1:1 paper plotter such as HP, Epson or Bieffebi Mounter, to obtain a map of the patched separations.

Automount workflow, for perfect multicolor screened registration, is optionally available for the DuPont Macroflex and the AV Flexologic Optimount.

The optional **45° bevel knife** can cut the patches with a slope. The slope increases the glue contact and thus the sealing against solvent. On top of this the software can be configured to automatically cut the corners of the patches to reduce the peeling effect.



Benefits

- Significant plate wastage reduction
- Significant error reduction
- Significant labor cost reduction
- Automated flexo plate cutting
- Automated carrier sheet preparation (plotting and cutting).
- Support for multiple workflows



Angled flexo plate cutting knife for Kongsberg table.

Hardware requirements (PC)

- Pentium 4 processor
- 1 GB RAM
- Network board
- Screen resolution of 1280 x 1024 pixels, true color
- CD ROM
- Microsoft Windows 2000 / XP / 2003 Server
- FTP server installed and activated
- Grapholas 5.5 MR2 Patch 7 on the CDI

Options (software)

- Tiff Output: output hardware imaging files in TIF format instead of LEN
- Analogue paper mount workflow (EPS output channel)
- Automount workflow: Optional output channel to digital mounters (DuPont Macroflex, AV Flexologic Optimount)

Kongsberg table

- Kongsberg XL22 (1680 x 2190 mm)
- FlexiHead-C Tool head (camera registration)
- XL-Guide
- General purpose knife tool
- 45° bevel knife
- Fibre tip tool
- 2 vacuum zones
- Double density drill pattern (vacuum)
- 6kW vacuum pump
- PC