

Digital CST

Photopolymer Plates

The Only Capped Digital Plate That Can Be Processed Conventionally Or Thermally

MacDermid Digital CST is designed to meet the requirements of high end, full-color process printing, providing imaging characteristics that enable flexo to match the quality of offset or gravure printing. Digital CST can be developed using the new LAVA Thermal Plate Processing System.

Digital CST, based on our innovative EPIC plate technology, offers a micro-rough surface texture with excellent ink transfer for challenging flexo printing applications or unique ink requirements. The cap layer also adds an extra benefit to imaging by ensuring that the resulting plate gives you the best tonal range possible. And because it is wear resistant, you are guaranteed long run durability on press.

For truly innovative high-end capped digital printing plates, count on the company that says "Yes We Can." MacDermid.

Key Features

- Can be processed on MacDermid conventional solvent systems or MacDermid's LAVA thermal processors
- Excellent imaging with very low dot gain
- A balanced plate surface for low image gain and exceptional solids coverage
- Incredible durability
- Runs clean time and time again

Segments

Flexible Packaging



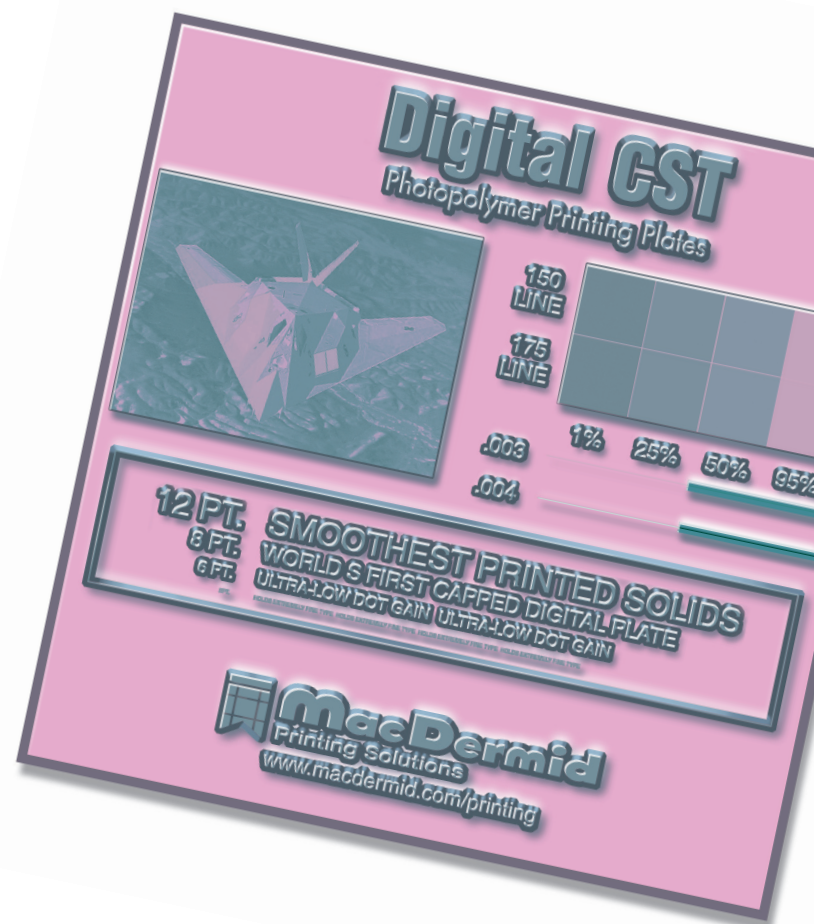
Folding Carton



Tags & Labels



Sacks, Paper, Multiwall



YES WE CANSM

MacDermid
Printing Solutions

Digital CST

Photopolymer Plates

Technical Specifications

Digital CST is available in thickness of 0.045" - 0.107" and in sizes up to 52" x 80". Please contact your MacDermid representative for details.

Digital CST has a hardness of 50 Shore A.

Reproduction capabilities

Halftones: 0.5-99% at 200 lpi (80 lines/cm)

Fine lines: 0.001 in. (0.025 mm) width

Isolated dots: 0.005 in. (0.127 mm) diameter

Plate processing

Digital CST is designed to process in MacDermid LAVA thermal processing systems, or processing equipment designed for use with Solvit® QD. Other safe-solvent solutions may be used.

Processing times for any particular job are determined by equipment, copy requirements and plate thickness.

Recommended times	.045"	.067"	.107"
Back exposure (sec.)	60-80	20-30	80-100
Face exposure (min.)	12-25	12-25	12-25
Processing (min./thermal)	10-20	10-20	10-20
Washout (min./solvent)	6	6	6
Drying (min./solvent)	60	60	60
Post exposure (min.)	10	10	10
Finishing (min.)	10	10	10

Ink/Solvent Compatibility

Digital CST photopolymer is compatible with UV, alcohol, water, and glycol based inks. Digital CST is not recommended for use with oil-based inks or hydrocarbon solvents.

Applications

Digital CST is recommended for high quality printing on film and preprint liner, particularly for process color. Digital CST can also be used successfully in other applications such as high quality labels and folding cartons.

YES WE CANSM

It takes more than innovative, high performance products and superior technical service to help our customers compete and win in today's global marketplace. It takes a total commitment to understanding their needs and the ability to provide the right solutions—every time.

When success is your only goal, trust the company that says "Yes We Can."



For more information, please contact us at:
5210 Phillip Lee Drive, Atlanta, GA 30336
Phone: 800.348.7201 or 404.696.4565
www.macdermid.com/printing