

Diversified Graphic Machinery

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Cold Foil
The Future is Now!



Cold Foil...

Expanding the Horizons of Foil Applications

What is Cold Foil?

Cold foil is an amazing new print technology that allows you to apply metallic foil, in-line, at press speed, in an infinite spectrum of colors. Diversified Graphic Machinery offers cold foil application systems engineered and designed to work with your existing offset, sheet-fed lithographic printing press.

Cold foil delivers quality foil imaging at a cost competitive price, eliminating the need to take your project off-line for finishing. The process utilizes standard printing plates so that your make-ready is done in a flash. Most importantly, your operator needs no additional skills to operate the system. With cold foil, registration of the foil-to-ink is exactly the same as the registration of ink-to-ink.

With cold foil, you can control your foil coverage to create varying effects of foil and color. You can add spot foil to accent a specific area of a design or apply foil to the entire sheet, eliminating the need to purchase expensive, non-recyclable foil board. You can even print fonts and reverse-outs as small as 5 point. With cold foil application systems from Diversified Graphic Machinery, your designs are limited only by the imagination of the artist.

How does it work?

Cold foil technology uses an ink based adhesive that is printed with a standard lithographic printing plate onto the substrate. The foil is then released onto the substrate where the ink based adhesive has been applied. The remaining printing units are used to overprint the sheet. CMYK and spot colors can be printed onto the sheet and over the foil. The result is a brilliant foil effect.

Cold foil application systems mount on top or at the end of the printing press and work within the parameters of press software operations/specifications. Systems can be custom designed to match the host press. Converting back and forth between normal printing and cold foil applications is as simple as washing down the adhesive and re-inking the unit.

Cold foil works with conventional and UV inks. After the sheet is printed, the foil can be encapsulated in a UV or aqueous coating. The finished product, accented by the luster of the foil, is a stamped effect far superior to any metallic ink.

What are the advantages of Cold Foil?

- Allows quick and easy make-ready
- Requires no additional tooling or dies
- Delivers single-pass process and in-line accuracy with existing litho registration
- Eliminates need for special operator training
- Creates shorter lead times and job turnaround
- Runs smoothly at litho press speeds
- Ideal for short and long-run jobs
- Differential Shaft Foil Saver System
- No limitations on foil coverage

What industries benefit from Cold Foil?

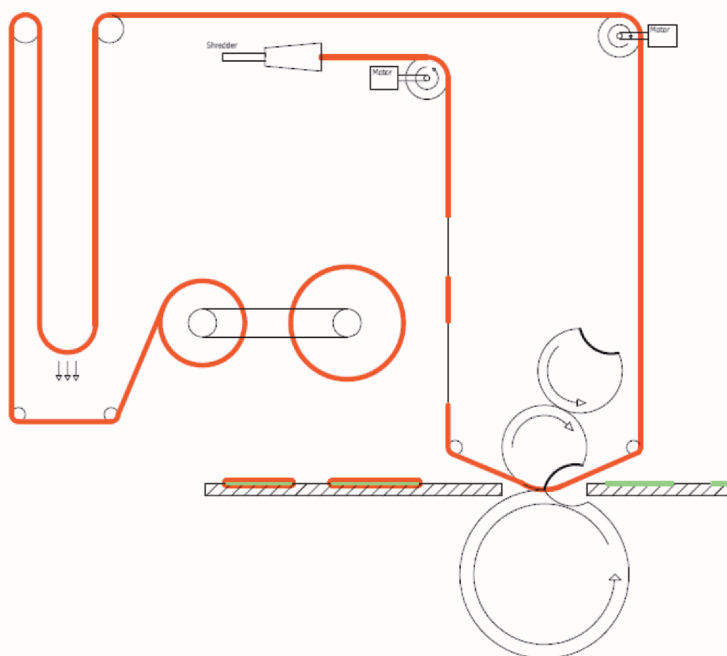
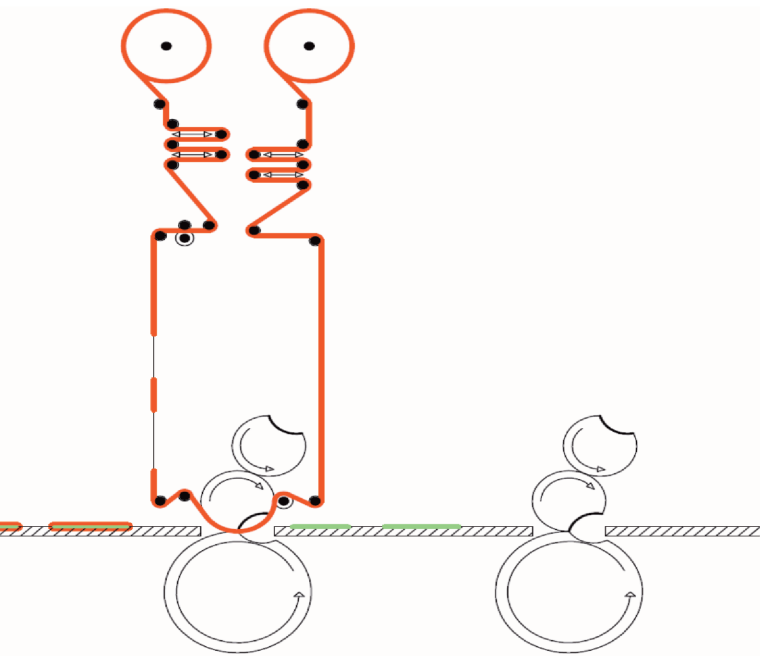
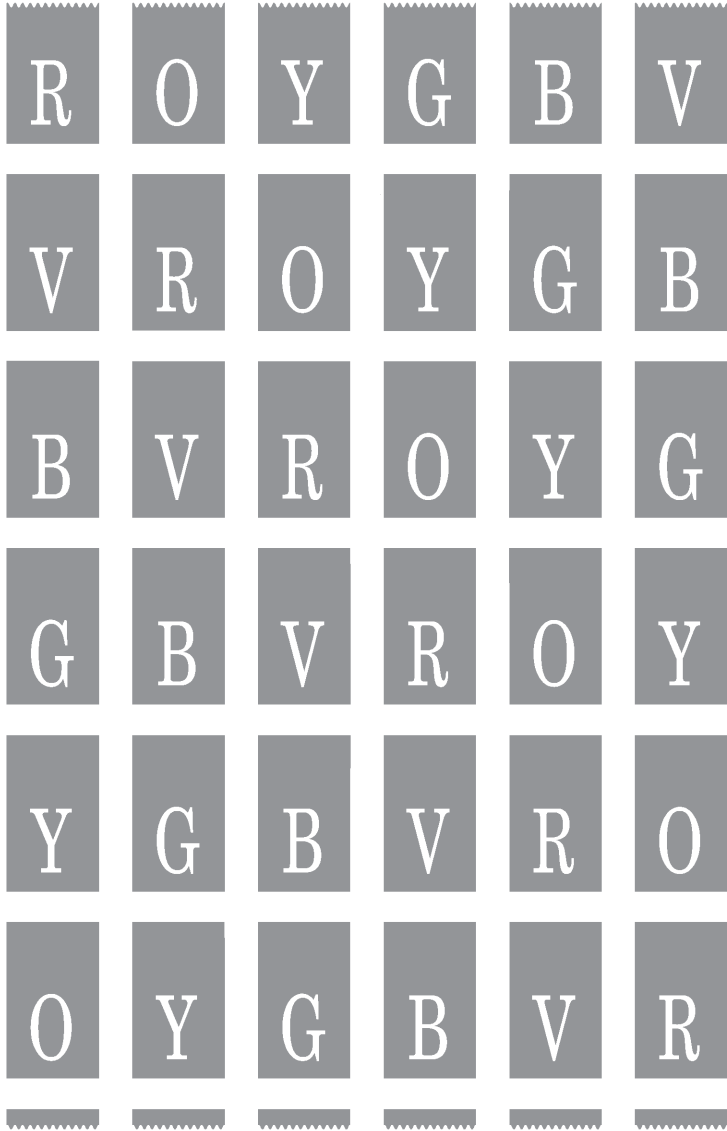
- Cosmetic Packaging
- Health & Beauty Packaging
- Food Packaging
- Beverage Packaging
- Pharmaceutical Packaging
- Greeting Cards
- Advertising & Promotion
- Book & Magazine Publications
- CD, DVD & Gaming Jackets

What about the design benefits?

- Promotes sales and marketing opportunities
- Expands ability to control foil coverage
- Eliminates limitations on color and scope of design
- Prints micro fonts and reverse-outs
- Delivers detailed, fine-line foil at press speed
- Ability to apply foil in quarter, half, and full tones

How can my company become more profitable with Cold Foil?

- Increases sales and expands client base
- Eliminates outsourcing and additional labor costs
- Reduces operating costs
- Eliminates costly foil board
- Delivers all-in-one. print *and* finishing process



Diversified Graphic Machinery also offers Cast & Cure Systems.
Samples of Cast & Cure and Cold Foil Are Available Upon Request.

