

Industries that benefit from cold foil

Packaging

Cosmetic
Health and Beauty
Pharmaceutical
Household
CD & DVD
Food
Premium Wine and Spirits
Video Gaming

Commercial Printing

Advertising

Books & Magazines

Greeting Cards

Gift Cards



Cold foil is perfect for many industries who utilize foils and UV coatings, especially packaging.

About Diversified Graphic Machinery

Our vision

Since 2000, Diversified Graphic Machinery has introduced high performance machinery and innovative specialty print finishing solutions to give our customers a competitive advantage in the marketplace. DGM Foildex™ in-line Cold-Foil Technology not only provides perfect foil laydown but also delivers substantial savings in both foil usage and overall production costs. We are extremely proud of the fact that DGM Foildex™ is the technological innovation that has dramatically changed our industry.

President Michael DeBard: *"There's a moment in time when one's imagination becomes innovation. Most companies never capture this moment because they simply don't have our passion. This doesn't happen by chance. It happens because we pursue our vision relentlessly and DGM has brought together the most experienced team of industry experts to make this possible".*



"There's a moment in time when one's imagination becomes innovation."

- Michael DeBard



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Foildex™

Cold Foil and UV Cast and Cure™ Systems



DIVERSIFIED GRAPHIC MACHINERY



Why DGM's Foildex™ is the best purchase decision for your company.

- Indexing cold foil delivers up to 82% in foil savings.
- Indexing reduces press down time with fewer foil roll changes.
- Ability to use multiple narrow webs of foil at the same time.
- Features heavy duty, segmented 6" shafts that hold up to 15,000 meter rolls.
- Move-Web technology using Siemens S-7 Platform with Si-Motion Controller and DGM proprietary software.
- Exclusive Impression Security System that protects the print cylinder.
- Auto Micro Adjust Web tension system that gives you perfect DGM foil laydown on the sheet.
- Quick and easy job set-up of foil rolls.
- Foildex™ Systems can also perform UV Cast and Cure™.

Why Settle for a Non-Indexing Cold Foil Machine?

Save foil with Foildex™

The most expensive part of cold foil printing is the cold foil itself. DGM Foildex™ Technology will save you as much as 82% of your cold foil waste for each job. Our Foildex™ Technology replaces older cold foil systems which use the equivalent of the circumference of the blanket cylinder, about 37" for each sheet that passes through the press, irrespective of the amount of foil needed for that particular job. Reducing cold foil waste also has a significant environmental impact on an already fully recyclable product.

How does it work?

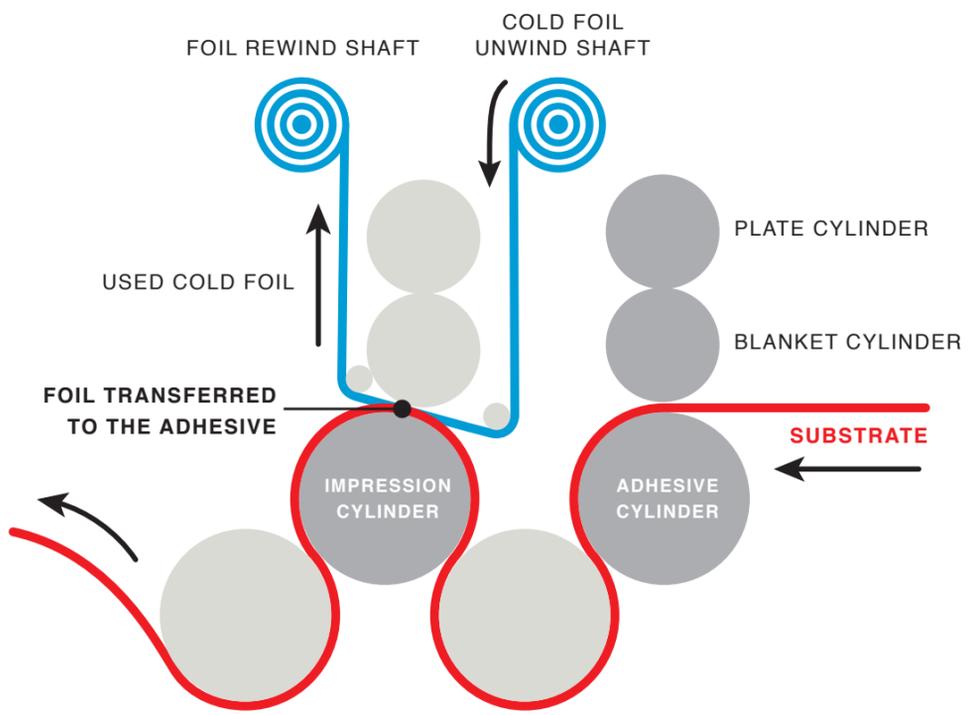
The Diversified Graphic Machinery Cold Foil System uses a Single Tower Technology.

In the first print unit a Cold Foil Adhesive is applied through the inking station with a standard litho plate onto the substrate. The Cold Foil Adhesive can be applied as a spot or flood effect onto the entire sheet as the foil is only released onto the substrate where the ink based adhesive has been applied.

The second print unit is the actual Cold Foil Application unit where the foil is applied onto the substrate and rewrapped. After the foil has been applied, the remaining printing units apply CMYK and spot colors resulting in a brilliant foil effect. Converting back and forth between normal printing and Cold Foil applications is as simple as washing down the adhesive and re-inking the unit.



Indexing Cold Foil Technology is designed to work with almost any existing printing press. This Foildex™ is shown atop a Heidelberg press.



Foildex™ UV Cast and Cure™ Application System from DGM.