

THE INNOVATION OF PHOTOPOLYMER EMBOSSING

The concept of **Photopolymer Embossing** is the application of hard durometer Male and Female photopolymer plates applied to two die blanks positioned into a rotary die station, on a web fed press.

Photopolymer embossing is a cost effective, faster turnaround alternative to engraved steel embossing cylinders.

What Are Photopolymer Embossing Plates?

These plates are a specially formulated photopolymer which, when using proprietary techniques, produce plates which have sufficient durometer to withstand the extreme pressure of embossing.

What Do We Need to Create the Male & Female Plates?

We need an electronic file that is vector art, undistorted and preferably in Adobe Illustrator. The dieline must be included. Please do not send distorted files. The distortion for this process is DIFFERENT FROM TRADITIONAL PLATES.

Specifications of the following are needed to correctly quote, step & repeat and distort to fit with your printing plates.

- Cylinder Size
- Step & Repeat Dimensions (die configuration)
- Substrate Specifications
- Web Width (please allow .5625" on both sides of die whenever possible)
We recommend that the your stock is wide enough to encompass the **SPECIAL TRINITY ZIPPER BARS**

It is recommended that Trinity Graphic output the Digital Printing Plates as well as the Embossing Plates. This will assist in more accurate registration and reduce press set-up time. We can work with any digital media.

Cylinder Tooling

To obtain the specially constructed die blanks and gears required for this technology we recommend RotoMetrics (636) 587-3600.

Your local representative from RotoMetrics will be able to assist you, as they have generated cylinders to suit virtually every flexo and letterpress machine on the market. They offer fast turnaround, competitive pricing and critical expertise with this technology.

Positive Aspects Over Existing Engraved Cylinder Technology

- Inexpensive in Comparison
- Improved Turnaround
- Reduced Shipping Costs
- Die Blanks Can be Used for Many Emboss Projects Using the Same Repeat Lengths
- Overnight Shipping
- Inexpensive Replates
- Unique Custom Patterns
- Many Standard Paper Patterns Available for Matching “Offset Only” Printable Substrates
- Embossing Up to 14pt Board Stock for Folding Carton and Blister Card Applications

Further Information on Photopolymer Embossing

We are very excited about sharing this technology with the flexo, offset and letterpress industries. As a full-service pre-press and platemaking facility, we are available to answer any questions, assist you with set-up and produce your printing and embossing plates. Send your file in today, we can evaluate it to see if this process is right for you. You'll be surprised what can be embossed with this technology!!

Please call one of our Customer Service Representatives today!! They will gladly help you with a quote on your new Embossing Project.

Trinity Graphic USA
941.355.2636 or 800.451.1729