



## THE INNOVATION OF PHOTOPOLYMER EMBOSSING

The concept of photopolymer embossing is the application of a hard durometer, Male and Female photopolymer plates applied to two die blank stations in a rotary flexographic or letterpress printing press.

Photopolymer embossing is an alternative to embossing with heavy steel -engraved cylinders due to much less expense and faster turnaround.

### *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 pressures of embossing.

### *What Do We Need To Create the Male & Female Plates?*

We need an electronic file, It must be vectored art in an AI format with the dieline in place. Preferably a 1-up, not stepped. Please do not send distorted files. The distortion is DIFFERENT FROM TRADITIONAL FLEXO PRINTING PLATES.

Specifications of the following information are needed to correctly, Quote, Step, Repeat & Distort, to fit with your Flexo printing.

- Cylinder Size
- Step -and-repeat dimensions (die configuration)
- Lead Direction
- Substrate Specifications
- Web Width (please allow .5625" both sides of die)

\* We recommend that the width of your stock is wide enough to encompass the SPECIAL TRINITY ZIPPER BARS

It is recommended that Trinity Graphic image the Digital Plates for printing the colors which will need to register to 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 dieblanks 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, and offer fast turnaround, competitive pricing and expertise with this technology.

### *Positive Aspects Over Existing Engraved Cylinder Technology*

Inexpensive in comparison  
Improved turnaround  
Reduced shipping costs  
Reusable EMBOSSING PLATES for multiple uses,  
with continuous patterns.  
Overnight shipping of REPLATES  
Create stock patterns  
Quality comparable  
Opens short run opportunities in one pass



### *Further Information on Photopolymer Embossing*

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

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