

# CHEMICALLY ETCHED DIES



UVP PRODUCTS  
(PTY) LTD



## Chemically Etched Dies

The age-old tradition of process engraving is alive and well at UVP Products. This cost effective way of producing foiling, embossing and de-bossing blocks forms the foundation of our business. With over 50 years of experience in our dedicated staff, we can guarantee a quality product to our clients. Each job is meticulously checked to eliminate any pitfalls that might exist in the production process before they become an issue. We etch into magnesium and copper offering foil blocks, embossing and de-bossing blocks, cavities, spark eroding dies and letterpress printing plates.

The Uniflex plate is a new addition in our wide scope of tooling solutions. We are the licensed manufacturer of the Uniflex system, a patented flexible hot stamp plate developed by Universal Engraving Inc. in the United States of America. This plate is used in conjunction with a magnetic cylinder to hot stamp foil on narrow web flexo machines and is a huge cost saving alternative to the solid brass cylinder.

## Magnesium Foiling And Embossing Blocks

Magnesium blocks are a cost effective alternative to copper and etches very well in addition to having acceptable heat retention properties. Magnesium has an effective run length of approximately 150 000 impressions and is recommended for fine to bold detail. We can provide blocks in thicknesses of 7.00 mm, 6.35 mm, 4.00 mm, 1.63 mm and 1.00 mm. Common uses for magnesium blocks include hot stamp foiling blocks, embossing and de-bossing blocks, printing plates and cavity moulds.

## Copper Foiling And Embossing Blocks

Copper is by far the best material for process engraving. Its' etching ability is excellent enabling ultra fine detail to be held and has superb heat retention resulting in excellent temperature control throughout the hot stamp foiling process. Copper is a harder material than magnesium and therefore offers in excess of 1 million impressions. We can provide blocks in thicknesses of 7.00 mm and 6.35 mm. Common uses for copper blocks include hot stamp foiling blocks, embossing and de-bossing blocks, spark eroding electrodes and branding dies.

## Embossing Block Counters

### Epoxy Counters

Epoxy counters are a direct mould of the embossing block giving sharp, clean and deep embossing results. This helps to give a consistent visual effect from beginning to end of your print run.

### Polymer Counters

Polymer counters are used were compensation for the thickness of the substrate being embossed is needed.

## Combination Cutting and Embossing Dies

The advantage of cutting and embossing at the same time is that you are able to eliminate one production process, which not only saves time but reduces costs as well. This is a facility that we have extensive experience in. These dies can be made with or without tufnol inserts and are supplied with polymer or epoxy male force counters to ensure the quality of the embossing. We are able to provide combination dies for Bobst Auto Plattens, Plattens and Heidelberg Cylinders.

## UVP PRODUCTS (PTY) LTD

21 Benbow Avenue  
Guttenberg Park  
Epping 1  
Cape Town  
Tel: +27 (0)21 534 8865  
Fax: +27 (0)21 535 4064

[www.uvp.co.za](http://www.uvp.co.za)

Licensed Manufacturers of the Patented UniFlex® System

