

# Metal Dies



Metal dies are commonly used for graphic applications requiring an embossed appearance on flexible materials. Metal provides excellent heat transfer characteristics and durability. United Silicone manufactures Magnesium, Brass, & Steel dies providing varying life cycles affording you the opportunity to match die -type, cost, & delivery with your production volumes.

## Recommended Substrates

Acetal	Polycarbonate	Cardboard	Polyethylene
Leather	UV Coatings	Paper	Vinyl
Nylon	Polyurethane		

### MAGNESIUM (photo - etched)

#### Application

- Ideal for Low Volume Production
- Flat Surfaces

#### Character Height (A)

- .035" and .065" Relief, Standard
- Additional Heights Available

#### Material Thickness (B)

- 16 Gauge (.064")
- 11 Point (.153")
- 1/4" Material (.250")

### BRASS (machine engraved)

#### Application

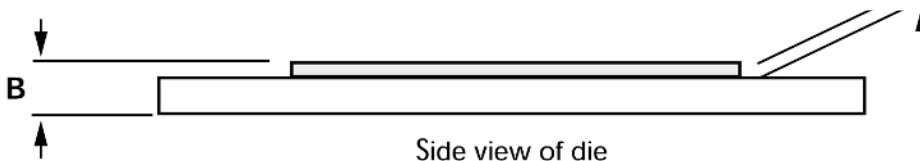
- Ideal for High Volume Production
- Flat & Contoured Surfaces

#### Character Height (A)

- .060" Relief, Standard
- Additional Heights Available

#### Material Thickness (B)

- 1/4" Material (.250")



### Equipment

- Vertical Machines – 1/2 to 24 Ton Capacity
- Peripheral Applications
- Roll-On Equipment

### Tooling:

- Standard & Quick -Change Die Mounting Systems
- Type Chases
- Part Holding Fixtures
- Complete Machine Shop Capabilities

### Additional Supplies

- Make-ready Materials
- Silicone Rubber Dies, Sheets, & Rollers

### Art Capabilities

- Full Service Art Department
- Numerous Electronic Formats Available

### Trusted Partner for Your Product Decorating Needs

United Silicone 4471 Walden Avenue, Lancaster, NY 14086  
Tel +1 (716) 681 8222 Fax +1 (716) 681 8789  
Email info@unitedsilicone.com

www.unitedsilicone.com www.itwids.com

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## Computer Art Specifications

We can accommodate DVD's, CD's, or E-Mail files. We currently can accommodate large email files up to 10 -12mb. Please contact your customer service representative for instructions if you are experiencing any bounce back from your email. You may have to send it to a large file transfer program. (ex: DROPBOX) The following programs will open a wide variety of file formats. Please call if you have a file not created in the following:

- **P/C:** Adobe Illustrator CC, Adobe Photoshop CC, Corel Draw GS2019, Microsoft Word (OFFICE 365)
- **AutoCAD:** Autocad files are NOT preferred, we can accept them if they are saved as Postscript (.ai or .eps) If saved as .dxf, additional labor will be required. NOTE: Do Not Fill Autocad Art

### Job Guidelines

- Provide the file name & printout of the artwork file.
- Fonts should be converted to outlines/curves or included on the disk.
- Include all imported or linked graphics.
- Scanned images should be saved as a black & white Tiff file (.tif) at least 400 dpi.
- When E-mailing, Zip files when possible.
- Combined files should be 10 -12mb or less

#### Silicone Rubber Rollers

- Flat, Stepped & Contoured
- Heat Transfer & Hot Stamping
- Extruded Product
- Heat Sealing, Edge Banding & Laminating
- Feed & Guide Rollers

#### Foil

- Same or Next Day Shipment
- 1" Core Diameters
- 1" Increments x 1000 ft. Rolls (Master Rolls Available)

#### Silicone Rubber Sheets

- Heat Sealing
- Heat Transfer
- Automated Applications
- Hot Stamp Tipping

#### Tooling

- Precision Part Holding Fixtures  
Magnetic, Quick Change  
Mounting Blocks

Contact U.S. to see our complete line of Hot Stamp & Heat Transfer Equipment & Supplies!

United Silicone, an ITW Decorating Company, specializes in the design and production of standard and custom hot stamp and heat transfer decorating machines. Our automation department offers complete capabilities from integrated applications to full turnkey systems.

United Silicone also provides a complete range of supplies including: silicone rubber dies, rollers, sheets, part holding fixtures and heat seal supplies.

As a leading designer and manufacturer of state-of-the-art plastics decorating systems, United Silicone has the in-house engineers to provide solutions to your toughest decorating problems.



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