

# QUESTECH

## Precision Metal Foils & Solder Preforms

### Applications

#### General

Thin, Fragile Foils and Sheets easily cut to shape required  
Any shape required--shape complexity is not a limitation  
No hard tooling charge or non-recurring engineering charge  
Fast delivery of any custom shape or size  
No tooling impact for design changes  
Economical small lot quantities as well as volume orders

#### Types

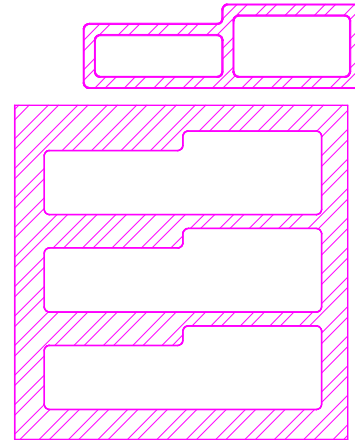
Solder Preforms  
Eutectics  
Non-eutectics

#### Uses

Die Mounts                      Package Seal Rings  
Heat Spreaders                Prototyping  
Short Run Production or Volume

#### Materials

Gold-Tin                          Copper  
Gold Germanium                Invar  
Gold                                Iridium



Typical Seal Ring Application

### Design Guidelines

Property	Nominal	Units
Smallest Feature	.001	Inches
Minimum Radius	.0005	Inches
Feature Tolerances as cut	+/- .001*	Inches
Thickness Range	.001 to .020	Inches
Front to Back Taper	10%	Material Thickness
Minimum Feature to Feature Proximity	.010	Inches
Minimum Edge Side Wall	1X	Material Thickness
Minimum Kerf Width	0.001	Inches
Deburring	As Required	n/a

\* As measured at either Front or Back Side

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