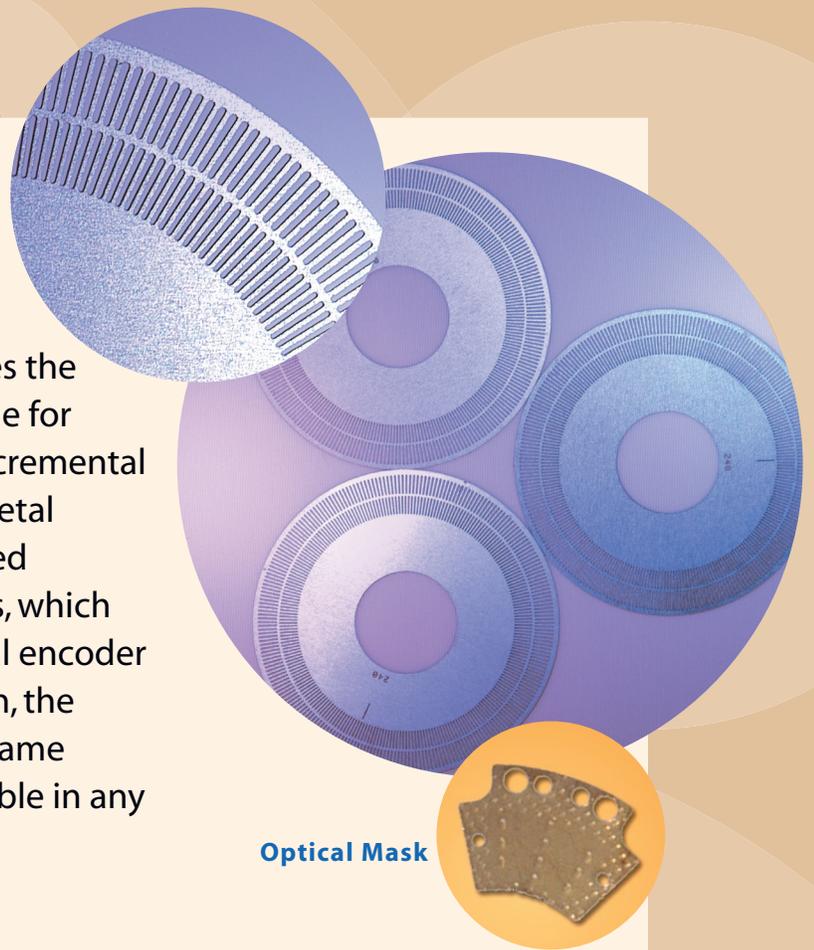


METAL ENCODER WHEELS

Thin Metal Parts (TMP) introduces the Metal Encoder Wheel product line for high-precision applications in Incremental and Absolute rotary encoders. Metal Encoder Wheels are manufactured using the Electroforming Process, which ensures the highest quality metal encoder wheel available today. In addition, the Optical Masks produced by the same electroformed process are available in any size or configuration.



Optical Mask

Advantages

Resolution: The Electroformed Metal Encoder Wheels are available in resolutions previously unheard of in metal encoder wheel technology. Closer tolerances, greater design capability and increased consistency are all attributes of the TMP proprietary electroforming process.

Flatness: The TMP proprietary electroforming process reduces the amount of surface tension imposed on the metal encoder wheel, minimizing any possibility of warping.

Cost: In most applications, metal encoder wheels offer an inexpensive alternative to glass encoder wheels without sacrificing quality.

Dimensional Stability: Temperature and humidity have virtually no impact on the Metal Encoder Wheel. In addition, the TMP metal encoder wheels can be used in high-shock environments with dependable results.

Corrosion Resistance: Metal Encoder Wheels are 100% hard nickel, giving excellent corrosion resistance.

Multi-Layer Technology: TMP offers a multi-layer option to maximize the metal encoder wheel's stability and strength.

• Most Common Metal Encoder Wheel Sizes

Resolution Count	THICKNESS		FEATURE SIZE	
	1" Diameter	2" Diameter	1" Diameter	2" Diameter
256	0.0025	0.0025	0.00552	0.01104
512	0.0025	0.0025	0.00276	0.00552
1024	0.0008	0.0025	0.00138	0.00276
2048	N/A	0.0008	N/A	0.00138

• Other sizes available upon request from 0.25" thru 8.0" OD