

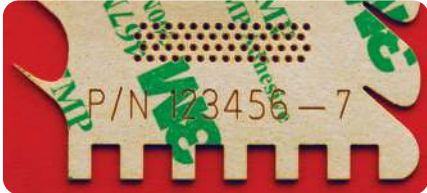
Material Reference Guide

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BLACK text color indicates 10.6µm laser

RED text color indicates 1.06µm laser

BLUE text color indicates 9.3µm laser

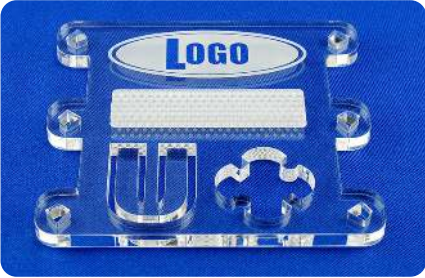
Categories	Materials	Marking	Engraving	Photo Imaging	Cutting
Ceramics		Alumina	•	•	
		Zirconia	•	•	
Laminating Adhesives		Laminating Adhesive Tape	•		•
		Laminating Adhesive Foam	•		•
Films		Optically Clear Adhesive Anti-reflection Film		•	•
Fabrics		Denim	•	•	•
		Twill			•
		Cotton			•
		Felt		•	•
Foams		Polyethylene Foam		•	•
		Polyurethane Foam		•	•
Glass		Soda-Lime Glass	•	•	•
		Gorilla Glass	•	•	•
		Fused Silica	•	•	•
Metals		Anodized Aluminum	•		•
		Stainless Steel	•	•	•
		Carbon Steel	•	•	•
		Brass	•		•
		Copper	•		•
		Titanium	•		•
		Bare Aluminum	•	•	•

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Categories	Materials	Marking	Engraving	Photo Imaging	Cutting
Natural Materials		Leather	•	•	•
		Stone	•	•	•
		Wood	•	•	•
		Paper	•	•	•
		Mat Board	•	•	•
		Cardboard	•	•	•
		MDF	•	•	•
Plastics		Acrylic (Plexiglas [®] , Lucite [®])	•	•	•
		ABS	•	•	•
		ABS	•	•	•
		PET	•	•	•
		Polycarbonate	•	•	•
		Polycarbonate	•	•	•
		Polyester (PETG, PETP)	•	•	•
		PTFE (Teflon [®])	•	•	•
Rubber		POM (Delrin [®])	•	•	•
		POM (Delrin [®])	•	•	•
		Natural Rubber Synthetic Rubber (Neoprene, Silicone)	•	•	•

Marking: create a visible mark on the surface with no depth

Engraving: remove a thin layer of material from the surface. The contrast of the engraved area will depend on several factors.

Photo Imaging: create a realistic photographic image on the material

Cutting: cut entirely through the material

Laser Power: a Laser power source range of 10W to 150W, depending upon material and its thickness were needed to mark, cut, engrave or photo image these materials.