

YOU CAN LASER...

Materials List	Trade Name / Notes	Cut	Etch
Cast acrylic	Plexiglas®, PMMA, Perspex®, Altuglas®, Acrylite®	✓	✓
Mirror acrylic	Must be placed mirror down	✓	✓
Polyacetal	Delrin	✓	✓
Mylar		✓	✓
Laminated Sign-writing Plastic	Trolase	✓	✓
Polyimide sheet	Katco, CIRLEX®, Kapton	✓	✓
PET	PET, PET-E NOT PETG	✓	✓
Cardboard		✓	✓
Boxboard	! Risk of fire!	✓	✓
Foamcore	Only @ MakerSpace	✓	✓
Paper		✓	✓
Velum		✓	✓
Linoleum		x	✓
Natural textiles	Wool, Cotton, Felt, Jersey Knit Polyester, Spandex, Skubaknit, Nylon	✓	✓
Synthetic fabric	Must be checked for chlorine content	✓	✓
Iron-On Sheet	Visofix, Bondaweb	✓	x
Latex	Must be checked for chlorine content	✓	x
Leather	No fake leather, pleather. Painted or coated leather must be checked for chlorine content	✓	✓
EVA Foam		✓	✓
Silicone		✓	✓
Laser Rubber		✓	✓
FR4 Circuit Board	Only @ MakerSpace	✓	✓
FR1 Circuit Board	Only @ MakerSpace	✓	✓
Hardwood		x	✓
Glass		x	✓
Marble		x	✓
Ceramic & Stone Tiles		x	✓
Metal Shim < 0.5mm	Only @ MakerSpace	✓	✓
Anodised Aluminum	Only @ MakerSpace	x	✓
Aluminum	Only @ MakerSpace	x	✓
Stainless Steel	Only @ MakerSpace	x	✓
Brass	Only @ MakerSpace	x	✓
Zinc	Only @ MakerSpace	x	✓
Copper	Only @ MakerSpace	x	✓
Titanium	Only @ MakerSpace	x	✓

NEVER LASER...

Materials List	Trade Name / Notes	Explanation
ABS plastic		gives off hydrogen cyanide
Bleached fabric		contains chlorine which cannot be sufficiently washed out of the fabric to make it safe to use
Corian		dust will catch fire
CR Neoprene		contains chlorine
Credit Cards		contains chlorine
Fiberglass		releases heavy chemical fumes
Carbon fiber		releases heavy chemical fumes
Piled Fabric > 4mm	Fur, fake fur, piled rugs	high risk of catching fire or smoldering
High-density polyethylene/ HDP		high risk of catching fire or smoldering
Polycarbonate / PETG	VIVAK, Lexan	releases heavy chemical fumes
Polymer Clay		contains chlorine
PVC Blocks/Sheet	Sintra, Ezy Carve	contains chlorine
PVCA		contains chlorine
SCR Neoprene	Neoprene	contains chlorine
Styrofoam		high risk of catching fire or smoldering
Vinyl	Fake Leather, Pleather	contains chlorine
PTFE	Teflon	contains chlorine
MDF		extraction insufficient. Laser @ SoAD
Plywood		extraction insufficient. Laser @ SoAD
Timber Vaneer		extraction insufficient. Laser @ SoAD
Masonite		extraction insufficient
Bamboo		releases heavy chemical fumes