

LASER SAFE MATERIALS

	Engrave	Cut
Wood	x	x
Acrylic	x	x
Fabric	x	x
Glass	x	
Coated Metals	x	
Ceramic	x	
Delrin	x	x
Cloth	x	x
Leather	x	x
Marble	x	
Matte Board	x	x
Melamine	x	x
Paper	x	x
Mylar	x	x
Pressboard	x	x
Rubber	x	x
Wood Veneer	x	x
Fiberglass	x	x
Painted Metals	x	
Tile	x	
Plastic	x	x
Cork	x	x
Corian	x	x
Anodized Aluminum	x	
Stainless Steel	*	
Brass	*	
Titanium	*	
Bare Metals	*	

* CO2 lasers will mark bare metals when coated with a metal marking solution
For more information, visit our laser metal marking page.

This here is a list of laser safe materials to which there are **NO EXCEPTIONS**. There are certain materials that when cut on the laser which create **CHLORINE GAS**, namely **PVC** (poly-vinyl chloride.) This is not only extremely dangerous for the user, but highly corrosive and does irreparable harm to the optics of the laser

FORBIDDEN MATERIALS:

PVC

Teflon

Polypropylene Foam

Polystyrene Foam

ABS

Polycarbonate/Lexan

HDPE/milk bottle plastic

A good rule to follow is if you are cutting or engraving a material and the fumes appear to be yellow: **SHUT IT DOWN!**

Excessive flames are also an indicator that either your settings are way off or that material should not be on the laser

If you are ever unsure of a material use the internet to see if it meets our criteria. If, after some research you are still unsure, err on the side of caution and don't cut it. The safety of the user and the machine are of the highest priority.