

Material Compatibility & Data Sheet

This is an overview of some of the materials we can engrave and cut to your specification, with our different laser technologies

CO2 Laser Compatible Materials

Material	Surface engraving	Ability to cut out detailed shapes
Wood	✓	✓
Acrylic	✓	✓
Fabric	✓	✓
Glass	✓	✗
Coated Metals	✓	✗
Ceramic	✓	✗
Foam	✗	✓
Delrin	✓	✓
Cloth	✓	✓
Leather	✓	✓
Marble	✓	✗
Matte Board	✓	✓
Melamine	✓	✓
Paper	✓	✓
Mylar	✓	✓
Pressboard	✓	✓
Rubber	✓	✓
Wood Veneer	✓	✓
Fibreglass	✓	✓
Painted Metals	✓	✗
Tile	✓	✗
Plastic	✓	✓
Cork	✓	✓
Corian	✓	✓
Silver & Gold	✓	✗
Anodized Aluminium	✓	✗

SwitchMARK[®]

Laser Engraving for all Industrial, Commercial & Domestic Labelling and Identification

Fibre Laser Compatible Materials

(Have been tested with the Fibre Laser / YAG Laser)

Material	Successfully Marked
17-4 PH Stainless Steel	✓
303 Stainless	✓
4043 Steel	✓
6061 Aluminum	✓
Bayer 2807 Makrolon polycarbonate	✓
Bayers Bayblend FR 110	✓
Black/White ABS	✓
Brass	✓
Brushed Aluminum	✓
Carbon Fibre	✓
Carbon Nanotube	✓
Ceramic	✓
Clear Coat Anodized Aluminum	✓
Cobalt Chrome Steel	✓
Coloured Delrin (Black/White>	✓
Compacted Powder Iron w/Iron Phosphate Coating	✓
Copper	✓
DAP - Diallyl Phthalate	✓
GE Plastics Polycarbonate Resin 121-R	✓
Glass Filled PEEK	✓
Glass Filled Teflon	✓
Hard Coat Anodized Aluminum	✓
Machine Tool Steel	✓
Magnesium	✓
Metal Plated Ceramics	✓
Molybdenum	✓
Nickel Plated 1215 Mild Steel	✓
Nylon	✓
Polybutylene Terephthalate	✓
Polysulfone	✓
Rynite PET	✓
Santoprene	✓
Silicon Carbide	✓
Silicon Steel	✓
Silicon Wafers	✓
Various Inconel Metals (Nickel-Chromium Super Alloys)	✓
White PEEK	✓
Yellow Chromate Aluminum	✓
Zinc Plated Mild Steel	✓