

# Laser Safe Materials

A list of materials that are safe to cut and engrave on a laser as well as forbidden materials

- [Laser Safe Materials](#)

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In general, organic products like wood, cardboard, leather, can be cut and engraved.

Additionally, acrylic plastics can be cut and engraved.

Many harder materials like stone, ceramic & glass can be engraved but not cut.

If you are not sure PLEASE ASK staff! DO NOT CUT any material that you are not sure if it is safe!!!

## . APPROVED LIST:

- Wood
- Plywood
- Cardboard: try to remove any tape before cutting
- Acrylic (Plexiglass) both cast and extruded acrylic are ok, but cast seems to engrave nicer
- Most fabrics (as long as it doesn't have vinyl or metals in it)
- Leather (veggie tanned only)
- EVA Foam (closed cell foam) an example is garage floor relief mats
- Glass (engrave only)
- Marble (engrave only)
- Ceramics (engrave only)
- Tile (engrave only)

## . DO NOT Cut or Engrave

- PVC!!!!!!
- Anything with vinyl in it
- Anything made from petrochemicals (made from oil)
- Resin
- Fiberglass
- Polycarbonate (Lexan)
- Circuit Boards
- Foam Core Boards

## . Approved with Extra Care

- Cedar & Teak (oily woods like these create excessive smoke which can damage the laser. OK to cut but requires frequent lens cleaning.