Laser Cutter Materials

Please do not use any materials that you are not 100% certain are CO2 laser compatible in the machine.

Some materials are **not allowed** to be cut or etched due to safety concerns or because they will damage the machine. These machines **do not** cut metal of any kind.

The most common materials that **cannot** be used on the laser cutters are:

- PVC/vinyl/artificial leather
- Polycarbonate
- Fiberglass
- ABS plastic
- Polystyrene (styrofoam)
- Polypropelene
- HDPE plastic

Below are some examples of materials that are safe to use with a CO2 laser such as the Glowforge Pro or Universal VLS. Some materials can be cut and engraved, while others can only be engraved. This is not a full list, but it does cover the most common materials.

<table>
<thead>
<tr>
<th>Cuts and Engraves</th>
<th>Engraves only</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wood</td>
<td>Glass</td>
</tr>
<tr>
<td>Real Leather</td>
<td>Marble</td>
</tr>
<tr>
<td>Acrylic/Plexiglass</td>
<td>Anodized Aluminum</td>
</tr>
<tr>
<td>Paper</td>
<td>Rubber Stamps</td>
</tr>
<tr>
<td>Cardboard</td>
<td>Stone</td>
</tr>
<tr>
<td>Cork</td>
<td>Titanium</td>
</tr>
<tr>
<td>Rubber</td>
<td></td>
</tr>
</tbody>
</table>

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Where to find materials?

Local

● Home Depot, Menards & Lowes all carry various sizes and thicknesses of acrylic sheets, plywood, and limited selections of hardwoods.

● Midwest Plastics, Inc.
  http://midwestplastics.com
  6460 S. 84th St, Omaha, NE 402-339-1226
  Carries clear and colored acrylic sheets

● Dan’s Custom Sawmill
  https://www.danscustomsawmill.com/
  402-980-0249
  Offers cuts of raw lumber: Walnut, Ash, Cedar, Maple, Spruce, and more

● Woodcraft of Omaha
  http://www.woodcraft.com/
  14605 Wright St, Omaha, NE 402-330-5444
  Carries a variety of wood blanks of sizes under 12"

● Hobby Lobby & Michaels
  Usually carry tiles of various materials, cork, foam, felt, and lighter hobby woods

Online

● shop.glowforge.com
  Glowforge has their own line of Proofgrade materials designed for the best results and ease of use

● Amazon, ebay, various other retailers
  Acrylic, wood stock, just about anything else that could be used on a laser cutter.

● http://www.woodcraft.com
  Carries a variety of wood blanks of sizes under 12"

● http://www.bellforestproducts.com
  Carries exotic and common species of wood blanks