Laser Materials
Lee - 2013-11-08 - 0 Comments - in Laser engraving/cutting

Only materials listed under Acceptable Materials may be used in the laser cutter. If you have any doubt as to whether your material is on the Acceptable Materials list, or how your material will behave in the laser cutter ask the Tech Staff before using the machine.

Acceptable Materials

- Paper >=28#
- Chipboard - up to 1/8”
- Museum board
- Corrugated cardboard
- Untreated hardwoods (birch, oak, ash) (Note: Discoloration of the wood near the cut/engrave site should be expected. DO NOT use sealed or treated woods.)
- Basswood
- Hardwood Plywood up to 1/2” (Note: Glue Pockets will prevent complete cut through some areas.)
- Glass (engraving only)
- Plexiglas, Lucite, Acrylic

Cutting and engraving these materials releases a strong odor. Persons with sensitive respiratory systems are advised to stay away from their use.

- Foam Board/Gator Board (Note: DO NOT use recycled boards from previous projects or boards that have spray adhesive or paint applied to them)

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Unacceptable Materials

- PCV or any materials containing PVC
- Pine boards
- Foam boards that have had spray adhesive applied
- Metals
- Anything NOT listed under Acceptable Materials

If you want to use a material that is not listed, please consult with the Tech Staff before you start cutting.
Materials Preparation

Use flat materials only. Surfaces that are not flat may block the movement of the laser head assembly or the airflow of the nose cone, both of which may damage the laser cutter. Non-flat materials also will not cut/engrave properly due to the changing focal length across the material.