



ACCEPTABLE MATERIALS

FOR LASER CUTTERS AND CNC ROUTER

- ✓ **YES!** you can use this material with this machine
- **MAYBE** you may be able to, but there are caveats
- ⊘ **NO!** you cannot use this material with this machine

MATERIAL	LASER	CNC ROUTER
SOLID WOOD*	✓ Cut up to 1/4" thick	✓
PLYWOOD*	✓	✓
MDF	⊘ Glues in MDF can melt, catch fire, and will damage the lasers	✓ Creates excessive dust - mask recommended
ACRYLIC	✓ Cut up to 1/4" thick**	✓
POLYCARBONATE	⊘ Releases toxic fumes	✓ Plastics off-gas when cut Vapor respirator recommended
FOAM	⊘ Releases toxic fumes, fire risk ^ (see note)	✓
COATED / ANODIZED METALS	● Etching only, do not use Cermark	● Aluminum only ***
UNCOATED METALS	● Etching only, must use Cermark	● Aluminum only ***
PAPER / CARDBOARD	✓ Clean frequently, paper scraps can catch fire	N/A
STONE	● Etching only, use high power	● See note***
LEATHER	✓ Leather tanning may affect the cut quality and fumes	N/A
GLASS	● Etching only, do not use high power, glass will crack	⊘
FABRIC	✓ High power not recommended, NO carbon fiber, pleather, or flame-retardant materials	N/A
CERAMIC	● Etching only, do not use high power, ceramic will break	⊘
CORK	✓ Only thin cork will cut well	✓

^ No PVC, PVB, PTFE, Teflon, Epoxy, or Resin can be cut with the laser cutter.

* NO PRESSURE TREATED LUMBER is allowed in the lab.

** acrylic from hardware stores is actually polycarbonate, which is not allowed for use with the lasers.

***You must have prior experiencing milling aluminum (or stone) in order to use the ShopBot to do so. You will need to supply your own bit, spoilboard, and cooling / lubrication medium (such as oil). Remember: the ShopBot requires constant supervision to prevent accidents and failures.

If you have any questions, please contact us!
fablabaltimore@gmail.com

EXTERNAL MATERIALS SOURCES

MILLED/ROUGH HARDWOODS

R. THOMAS FROCK LUMBER

2730 Loch Raven Rd
Baltimore, MD 21218
410-243-9322

FREESTATE TIMBERS

9572 Deereco Rd
Lutherville-Timonium, MD 21093
410-561-9444

HICKSVILLE PLANING MILL

14464 Hicksville Rd
Clear Spring, MD 21722
301-842-3474

PLASTICS

INVENTABLES
inventables.com
312-775-7009

TOTAL PLASTICS
5424 Pulaski Hwy
Baltimore, MD 21205
410-483-1122

PIEDMONT PLASTICS
7045 Troy Hill Dr Suite 450
Elkridge, MD 21075
301-881-7900

HOUSE OF FOAM
1004 Russell St
Baltimore, MD 21230
410-727-0982

PLYWOOD

CHESAPEAKE PLYWOOD

3400 East Biddle St
Baltimore, MD 21213
410-469-6049

HARBOR SALES CO INC

1000 Harbor Ct
Sudlersville, MD 21668
800-345-1712

INVENTABLES
inventables.com
312-775-7009

FABRIC

DOMESTICITY
4313 Harford Rd
Baltimore, MD 21214
443-885-0369

G STREET FABRICS
12220 Wilkins Ace
Rockville, MD 20852
240-283-8300

THREE LITTLE BIRDS SEWING CO
5132 Baltimore Ave B
Hyattsville, MD 20781
202-246-5396

We recommend having your material approved (via email) prior to purchasing to prevent unnecessary trips or shipping.

If you have a materials source suggestion, send us an email!

fablabaltimore@gmail.com

RECLAIMED MATERIALS

BRICK AND BOARD

2507 N Howard St
Baltimore, MD 21213
443-840-0444

SECOND CHANCE

1700 Ridgley St
Baltimore, MD 21230
410-385-1700

THE LOADING DOCK

2 North Kresson St
Baltimore, MD 21224
410-558-3625

HOUSEWERKS SALVAGE

1415 Bayard St
Baltimore, MD 21230
410-685-8047

SCRAP B-MORE

913 W Barre St
Baltimore, MD 21230
410-637-8333

METALS

INVENTABLES
inventables.com
312-775-7009

ACCESS METALS
8893 Kelso Dr
Essex, MD 21221
410-687-2414

METAL SUPERMARKETS
7120 Golden Ring Rd Unit 112
Baltimore, MD 21221
410-918-0199