

WHAT KIND OF LASER CUTTER DO WE HAVE?

maximum cutting area **1200 x 900mm (47.2" x 35.4")**

accepted file types **prefer DXF but can accept AI and bitmaps**

vector/raster capable **yes**

maximum material thickness **1/4"**

type **Sealed CO² glass laser tube, 80 W**

WHAT KIND OF MATERIALS CAN BE CUT/ENGRAVED?

natural materials **rock, brick, stone, marble, granite, glass**

organic materials **wood, leather, plants, fruits, shells**

manmade polymers **acrylic, plexiglass, vinyl, styrofoam, styrene**

cloth **denim, cotton, felt, silk, nylon, dacron**

metal **stainless steel (engrave only)**

info@designfugitives.com

subject: laser

contact: Lauren

414.377.3977

160 S 2nd Street

Milwaukee, WI 53204

WHAT CAN'T BE CUT/ENGRAVED?

most metals **(aluminum, copper, brass, silver, gold)**

vinyl, pvc, plexi-glass, polycarbonate, ABS,

low-grade plywood, foamcore, warped materials,

self-laminated or glued materials, mirrors, SNC-3 neoprene.

if not listed, please ask.

** we do not stock materials, please bring your own.*

WHAT IS OUR PRICING?

base charge of material setup **\$10.00**

cost per minute **\$2.50**

example for a 10 minute job, the total cost will be

$\$10.00 + \$2.50 \times 10 = \$35.00$

**cost estimate will be given upfront based on calculated time*



DESIGN FUGITIVES

HOW DO I PREPARE MY FILE DIGITALLY?

- _create separate files for each sheet of material
- _number each sheet; 1 of 3, 2 of 3, 3 of 3
- _make sure that line work is continuous (joined)
- _delete any duplicate or overlapping geometry
- _leave a minimum of 1/8" between shapes and the perimeter of the material to prevent fusing or burning
- _create a layer for the outline of your material with correct dimensions; label as MATERIAL
- _assume bottom left corner of the material as the origin (0,0) to be aligned in the laser bed. the material's longer edge should be oriented horizontally (along the x-axis)
- _separate the vector line work that needs to be cut from the line work that needs to be engraved; stroke should be less than/equal to .100pt; name layers CUT/ENGRAVE respectively
- _if needed, create an additional layer for pieces to be raster etched (images, fills, linework). stroke should be greater than/equal to .125 pt
- _export as DXF (preferred file type but can also read AI)

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DESIGN FUGITIVES

HOW DO I PREPARE MY MATERIAL?

- _see *page 1/2* to check if your material can be cut
- _make sure material has uniform thickness and is not warped, otherwise it will cause damage to the laser head
- _make sure you have adequate material since we do not stock it
- _ if your material is sold with a poly or paper film, do not remove it as it will help protect the material from scorching on the laser bed/getting scratched
- _if your material is too large for the bed (47.2" x 35.4"), we can cut it down. space in y-axis (35.4") can be adjusted to accommodate longer pieces, ex. rolls of fabric
- _attach a note to your material with the orientation specified. be clear where you have set the origin, x-axis, and which side should be facing up