

Skokie Library Studio

Laser Engraver/Cutter Approved Materials List

- Maximum Project Size is 24-in (length) by 12-in (width) by 5-in (height)
- Maximum Vector Cutting Thickness is 1/4-inch.
- No items with adhesive backings.
- Please review your item with a staff member before lasering.

<u>Material</u>	<u>Engrave Setting</u> Default is @ 600 DPI	<u>Vector Cut Settings</u> Air Assist Must Be On When Vector Cutting!
Acrylic Must be provided by Skokie Library or purchased from Inventables, LaserBits, Canal Plastics, or Glowforge. Also requires a receipt or product description indicating it is safe to use with the laser.	Speed: 100 Power: 50	1/8-inch Acrylic (Available in Studio) Speed: 5 Power: 100 Frequency: 100 ----- 1/4-Inch Acrylic* (Max thickness) Speed: 2 Power: 100 Frequency 100 (May need 2-3 passes)
Anodized Aluminum/Metal	Speed: 25 Power: 100	Not Applicable
Cardstock	Speed: 50 Power: 25	Speed: 50 Power: 25 Frequency: 50
Cork	Speed: 60 Power: 20	Not Applicable
Canvas (Fabric)	Speed: 80 Power: 20	Speed: 15 Power: 75 Frequency: 50

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Cardboard (Box/Corrugated)	Speed: 50 Power: 25	Speed: 15 Power: 100 Frequency: 100
Denim (ONLY Non-elastic type)	Speed: 90 Power: 25	Speed: 15 Power: 75 Frequency: 50
Fabric (ONLY 100% Cotton)	N/A	Speed: 50 Power: 50 Frequency: 25
Felt	N/A	Speed: 35 Power: 50 Frequency: 50
Genuine Leather, (Vegan Leather, Pleather, or any Non-Genuine Leather is unsafe to use on the laser. <i>*Genuine Leather Tag, Label, or Receipt Required.)*</i>	Speed: 60 Power: 25	Not Applicable
Genuine Suede (Vegan Suede, Faux-Suede, or any Non-Genuine Suede is unsafe to use on the laser. <i>*Genuine Suede Tag, Label, or Receipt Required.)*</i>	Speed: 75 Power: 50	Not Applicable
Glass	Image Should be 80% Black Speed: 30 Power: 100 DPI: 300 Image Dithering: Jarvis	Not Applicable

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Marble or Stone	Speed: 50 Power: 50 DPI: 300	Not Applicable
No-Odor Rubber <i>(from Johnson Plastics Plus)</i>	Speed: 8 Power: 100 DPI: 600	Speed: 5 Power: 100 Frequency: 100
Slate	Speed: 60 Power: 30	Not Applicable
Wood <i>(Untreated)</i>	Speed: 50 Power: 90	1/8-inch Thick Wood (Available in Studio) Speed: 12 Power: 100 Frequency: 50 <hr style="border-top: 1px dashed black;"/> 1/4-inch Thick Wood* (max thickness) Speed: 5 Power: 100 Frequency: 50 (May need 2-3 passes)

*** Studio Tips: Laser Engraving & Cutting**

- For 1/4-inch thick materials, laser cutting the same spot(s) two to three times is most effective.
 - If that does not work, decrease the Speed to **2 for wood** and **1 for acrylic**. If it continues not to cut, it is too thick to be cut on the laser.