MakerGym

Policy Manual and User Agreement

125 Academy Street
Pearson Hall Room 102
(302)-831-2184

udel.edu/makergym
MakerGym@udel.edu
The primary use of the MakerGym is making. All makes and makers are equal in the UD MakerGym.

The MakerGym is an interdisciplinary design and fabrication studio, focused on student empowerment and collaboration. This creative space is equipped with a robust array of processes which compliment and provide depth to existing making capabilities on campus in order to support education, entrepreneurship, research and personal growth. All students have access to our resources including the necessary training and design consultation to help them turn their ideas into action. This is everyone’s sandbox.

Core Values:
Success Safely
Respect Others and Ideas
Stewardship of Resources

The MakerGym is committed to creating a welcoming community for people of all identities, regardless of making experience. Use of the MakerGym implies acceptance of our policies and safe operating procedures.
Operations

The University of Delaware MakerGym is a mixed-use space, serving students, classes, student groups, faculty, research and staff. To maximize access for all, we offer both walk-in hours and reservable time slots based upon user types.

Hours

Students

Walk-In Access
Monday - Thursday 1:00 pm-10:00 pm
Friday 1:00 pm - 6:00 pm

Reservable Access
Monday - Thursday 10:00 am-10:00 pm
Friday 10:00 am - 6:00 pm

Class/Faculty (Academic)

Reservable Access
Monday - Friday 10:00 am-1:00 pm

Faculty/Staff (Non-Academic)

Reservable Access
Friday 12:00 pm-2:00 pm
Academic Breaks - by appointment

Walk-ins and reservation availability may be impacted by the MakerGym Event Calendar, published on the MakerGym website.
Accessing The Space

All visitors to the MakerGym must register at the Kiosk or with an available staff member upon entering the space, utilizing their University of Delaware ID card. Staff will make resources available to users upon check-in. Users must request materials, tools and equipment from MakerGym Staff. When a user is prepared to leave, they must check-out with a MakerGym staff member who will verify the return of MakerGym assets, cleanliness of utilized workspaces and collect unused materials.

During check-in, users will be asked to accept the User Agreement. This contract implies knowledge and consent to MakerGym policies and Safe Operating Procedures (SOP). Access credentialing will be associated with your University Issued ID.

Accessibility Statement

University of Delaware MakerGym is committed to providing access to all students. Please contact MakerGym Staff via email (makergym@udel.edu) to determine what accommodations may be made to facilitate your safe use of the space.

Shared Space

Makers are mindful of others’ access to space, tools and materials. If demand is present, users may be asked to suspend their making, limit materials or share in order to allow reasonable opportunity for everyone. Consideration and fairness are expected when utilizing MakerGym resources.
Design Consultation

The MakerGym seeks to empower and enable all users as Makers. Turn-key development or solutions are not offered. The MakerGym does not provide manufacturing services. MakerGym Staff are available by appointment to provide consultation for original ideas, with the expectation that users commit to necessary training, discovery and practice.

Training

All users, regardless of previous experience, must complete and maintain MakerGym training credentials in order to use MakerGym assets. Training covers Personal Protective Equipment (PPE), Safe Operating Procedures (SOP), design guides, material selection and costing for each process we offer. Enrichment workshops are also available to explore Making concepts in greater depth.

The MakerGym maintains a tiered training structure, as outlined in the Training Matrix (Appendix). Equipment is banded by risk class, required skills and operational similarities. Some equipment, such as basic hand tools and cameras, do not have associated training requirements; instead users are provided SOP's and other reference material for proper use. It is expected that all users seek staff assistance if they are unsure of tool or material selection, or specific tool operation.

The training and workshop schedule is available on the MakerGym website. Pre-registration is required. If the training facilitator determines that your performance, retention or product during training does not demonstrate minimum proficiency you may be asked to retake applicable training. Training credentials require renewal if unused for a period longer than one calendar year.
Reservations

MakerGym training, equipment, space and materials are available both for walk-ins and reservations. Reservations or requests must be made through the MakerGym website. If at the end of a reservation the equipment is unreserved for the next hour, the user may then extend their reservation and continue working. Equipment is expected to be in a ready status at the end of a reservation. Process cycle times relative to the end of a reservation must be accounted for. Failure to show for or cancel a reservation may affect future access. Staff reserves the authority to cancel, suspend or defer a reservation.

Research or Faculty Requests

To support embedded making in course curricula, Faculty must notify the MakerGym of intended class projects that will impact regular operations.

Faculty, Research or Private venture requests for materials or support will be considered. Inquire through the MakerGym website for availability and costing. Faculty, Researchers and Private Ventures may not circumvent policies by having students or staff access MakerGym resources.

Class Reservations

Classes can use the MakerGym in various capacities. Class requests must be made through the MakerGym website. Faculty must complete orientation and applicable training prior to their class visit.

Class Orientation (1 Hour Session)

- Offered at no cost.
- Scheduling restrictions apply.
- For courses with embedded making projects for which students will need access to the MakerGym throughout the semester.

Class Project/Workshop (1 Orientation + 2 Sessions)

- Fees and scheduling restrictions apply.
- For courses with making projects that require access to the MakerGym basic tool packages during class meetings times.

Class Training + Workshop (1 Orientation + Process Training + 2 Sessions)

- Fees and scheduling restrictions apply.
For courses with making projects that require access to specific processes (i.e. 3D Printing, Laser Cutting, Shop, etc.) during class meeting times

Semester-long Commitments

- Available for individual spaces within or the entire MakerGym.
- User training requirements apply.
- Fees and scheduling restrictions apply.
- Full semester - 3 and 4 credit classes.

Group and Event Reservations

Groups can use the MakerGym in various capacities. Fees, training and scheduling restrictions apply. Group requests must be made through the MakerGym website.
Safety Policy

Personal Protective Equipment (PPE)

- Universally, eye protection is required in the MakerGym. Exceptions include:
  - Meetings or similar activities during which no tools are present in the occupied space (i.e. conference room, classroom).
  - When designated by Staff.
- Users must wear appropriate PPE, as defined by the corresponding Safe Operating Procedure (SOP).
- Required PPE is available for users during their visit to the MakerGym. Users are welcome to bring their own PPE, if it complies with applicable OSHA standards.

Safe Attire and Accessories

Users Shall:

- Wear closed-toe, closed-back, flat-soled shoes.
- Wear attire which maximizes protection of the skin on arms, legs, ankles and chest.
- Tie back long hair.
- Remove jewelry and other loose fitting accessories.

Users Shall Not:

- Wear loose clothing, low cut tops, shorts or ripped pants.
- Have anything around their neck, including scarves, necklaces, lanyards, etc.

Food/Beverage

- Universally, food is not permitted in the MakerGym. Exceptions include:
  - Meetings or similar activities during which no tools are present in the occupied space (i.e. conference room, classroom).
  - When designated by Staff.
- Non-alcoholic drinks are permitted, and must have a sealed lid.

Distractions

- Universally, unless directly related to making, listening devices, cell phones and other diversions are not permitted in the MakerGym. Exceptions include:
Meetings or similar activities during which no tools are present in the occupied space (i.e. conference room, classroom).

When designated by Staff.

Tool and Equipment Use

Users Shall:

- Access only the resources for which they have valid training.
- Comply with prescribed SOPs.
- Follow Staff directions and warnings.
- Seek advice when uncertain.
- Use a tool only for its intended purpose.
- Report concerns regarding space, equipment or users to Staff.
- Stop using a tool if it is not working properly and seek assistance from Staff.
- Clearly designate temporary floor, pathway or overhead hazards and obstructions related to their work.
- Keep workspaces and equipment clean.

Users Shall Not:

- Utilize the shop unless a staff member is on duty in the shop.
- Enter the 3D Printing enclosure.
- Remove equipment or tools from their designated area.
- Leave tools unattended.
- Walk away from equipment while it is still running or moving.
- Obstruct emergency exits.
- Enter the MakerGym while under the influence of drugs and alcohol.
Reporting

There is an inherent possibility that users may experience superficial cuts, scrapes and bruises during safe making practices. These are not necessarily required to be reported. Perpetual occurrences of this nature should be discussed with Staff to determine opportunities to be avoided or minimized.

Near misses, injuries, illness and incidents of concern must be reported to Staff immediately, even if medical attention is not required. Users must complete documentation as determined by Staff and EHS protocols.

Notify University of Delaware Public Safety in the event of an emergency or if immediate medical attention is required.

Public Safety Dispatch
911 (campus phone)
(302)-831-2222 (cell phone)
Acceptable Use

Lawful Making

MakerGym fabrication equipment may not be used to create artifacts that are:
- Prohibited by local, state or federal law.
- Unsafe, harmful, dangerous or pose a threat to the well-being of others.
- In violation of another’s intellectual property rights.

Manufacturing

The MakerGym supports the development of one-off projects, concepts, prototypes and first production runs. Users may not mass produce items, whether for profit or as an alternative to sourcing from a viable vendor.

Alternative Use

The primary use of the MakerGym is making. Activities not directly associated with ideation, design, prototyping, fabricating and testing will be monitored and regulated. Examples of restricted activities include:
- Studying
- Sleeping
- Meals
- Unrelated group meetings
- Gaming

Kitchen

The MakerGym Kitchen is restricted to staff and event use only.

Lockers

The MakerGym lockers can be reserved for your personal belongings while using the space. Items must be removed when you leave for the day.

Security

Violation of relevant policies may result in loss of access, and may be referred to Public Safety and the Office of Student Conduct. Examples of these infractions include: attempting to defeat
control systems, accessing MakerGym assets for others using your credentials, circumventing equipment safety systems, theft and vandalism.

Dispute Resolution

Conflict may arise between users, or between a user and MakerGym Staff. In the event that a user disagrees with a MakerGym Staff decision, users are expected to respectfully raise their objection, and comply with the Staff request. Users may resolve concerns of this nature with the MakerGym Operations Manager by appointment, and shall not engage in dispute with Staff.

Environmental Impact Statement

Makers should be conscious of the implications of their design and fabrication decisions on the environment. Material selection should be mindful of renewability, sustainability, supply chain, life cycle, energy and health.
Materials

Material optimization is outlined in corresponding Design Guides and Safe Operating Procedures. Users will reduce waste stream by returning unused materials to collection bins. Outside materials require MakerGym Staff approval prior to processing on MakerGym equipment. The MakerGym stocks an array of materials for purchase, material and vendor information is available on the MakerGym website. See Appendix for costing.

Purchasing Materials

Material is sold in various increments and formats. A user will be charged for the next highest stock size needed for their project. Odd sized materials are sold at a proportional rate to the full stock price.

The MakerGym provides the following for purchase using Flex or Credit Card:

3D Printing

- FDM
  - PLA
  - PVA
  - Break Away Support
  - Tough PLA
- CFF
  - Onyx
  - Carbon Fiber, Kevlar, Fiberglass
- SLA
  - Resin

Laser Cutting/Marking

- Art Paper
- 5/32” Cardboard
- 5mm Plywood
- ¼” Baltic Birch Plywood
- Acrylic Sheet

Shop

- 6mm Baltic Birch Plywood
- 12mm Baltic Birch Plywood
- 18mm Baltic Birch Plywood
- ½” AC Sanded Pine Plywood
- ¾” AC Sanded Pine Plywood
- ¼” MDF
- ½” MDF
- ¾” MDF
- Acrylic Sheet
- 1” x 6” x 8’ Pine Lumber
- 2” x 4” x 8’ Pine Lumber
- Dowels

Textiles
- Fabric
- Thread

Complimentary Materials

The MakerGym provides the following at no cost for usual and customary applications:

Fasteners
- Zip-Ties
- Screws
- Bolts, washers and nuts
- Thread

Adhesives
- Wood Glue
- Marine Goop
- Construction Adhesive
- Hot Glue Sticks
- Epoxy
- Rubber Cement
- Tape

Electronics
- Wire
- Heat Shrink
- Simple Circuit Components
- Solder
Project Storage

Users may store projects that are in progress in the provided blue bins within The Cage. Users must request a bin through MakerGym Staff. All projects and bins shall be labeled. Bins must be emptied and returned when the project is complete. Storage for unused material is limited; users should plan material purchases accordingly. Projects and materials remaining after Finals Week will be considered abandoned and disposed of by MakerGym Staff.
MakerGym User Agreement

By signing the University of Delaware MakerGym User Agreement, you are certifying that you have fully read, understand and will abide by the policies detailed in this manual.

Users agree to comply with all Safe Operating Procedures and signage during the use of MakerGym resources, and to seek staff assistance if they are unsure of tool or material selection, or specific tool operation.

Users will be required to acknowledge and recertify their understanding of any subsequent revisions to this University of Delaware MakerGym Policy Manual and User Agreement in order to maintain access to University of Delaware MakerGym resources.

Name:

UD ID#:

Signature:

Date:
APPENDIX
<table>
<thead>
<tr>
<th>Type</th>
<th>Training Name</th>
<th>Prerequisites/Software</th>
<th>What is covered</th>
<th>Access Gained To</th>
<th>Duration (Hours)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Training</td>
<td>Orientation</td>
<td>Registered Student, Faculty or Staff</td>
<td>Tour, Policy Manual, Website, Sign User Agreement, photo taken</td>
<td>Classroom Toolkits, Maker Toolkits, Conference Rooms</td>
<td>1</td>
</tr>
<tr>
<td>Evaluation</td>
<td>2D CAD Proficiency</td>
<td>Orientation</td>
<td>Checks your ability to create a 2D vector or graphic file that is machine ready. Users will reproduce a part file based upon a designated standard and submit their original work for evaluation.</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Evaluation</td>
<td>3D CAD Proficiency</td>
<td>Orientation</td>
<td>Checks your ability to create a solid model that is machine ready. Users will reproduce a part file based upon a designated standard and submit their original work for evaluation.</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Training</td>
<td>Laser Cutting/Marking</td>
<td>Orientation, 2D CAD Proficiency or 2D CAD Workshop</td>
<td>Safe Operating Procedures, Design Guides, Materia Selection, Costing, Takeaway Project</td>
<td>Laser Cutting/Marker</td>
<td>1</td>
</tr>
<tr>
<td>Training</td>
<td>3D Printing</td>
<td>Orientation, 3D CAD Proficiency or 3D CAD Workshop or 3D CAD/CAM Workshop</td>
<td>Safe Operating Procedures, Design Guides, Materia Selection, Print Setup/Submissions/Pickup, Costing, Takeaway Project</td>
<td>Dual Extruder FDM Printer</td>
<td>1</td>
</tr>
<tr>
<td>Training</td>
<td>Textiles</td>
<td>Orientation</td>
<td>Safe Operating Procedures, Design Guides, Materia Selection, Costing, Takeaway Project</td>
<td>Sewing Machine</td>
<td>1</td>
</tr>
<tr>
<td>Training</td>
<td>Water Jet</td>
<td>Laser Cutters</td>
<td>Safe Operating Procedures, Design Guides, Materia Selection, Costing, Takeaway Project</td>
<td>Water Jet</td>
<td>1</td>
</tr>
<tr>
<td>Training</td>
<td>Fine Arts Printing</td>
<td>Orientation</td>
<td>Safe Operating Procedures, Design Guides, Materia Selection, Print Setup/Submissions/Pickup, Costing, Takeaway Project</td>
<td>Fine Arts Printer</td>
<td>1</td>
</tr>
<tr>
<td>Training</td>
<td>Shop</td>
<td>Orientation</td>
<td>Safe Operating Procedures, Design Guides, Materia Selection, Costing, Takeaway Project, 2 Hour Lecture and Demos + 1 Hour to Complete Take Home Project</td>
<td>Shop Equipment</td>
<td>2 + 1</td>
</tr>
<tr>
<td>Training</td>
<td>CNC Router</td>
<td>Shop, 3D CAD/CAM - Fusion360</td>
<td>Safe Operating Procedures, Design Guides, Materia Selection, Costing, Takeaway Project, 2 Hour Lecture + 2 Hour Lab.</td>
<td>CNC Router</td>
<td>2 + 2</td>
</tr>
<tr>
<td>Training</td>
<td>CNC Mill</td>
<td>Shop, 3D CAD/CAM - Fusion360</td>
<td>Safe Operating Procedures, Design Guides, Materia Selection, Costing, Takeaway Project, 2 Hour Lecture + 2 Hour Lab.</td>
<td>CNC Mill</td>
<td>2 + 2</td>
</tr>
<tr>
<td>Training</td>
<td>3D Printing - Continuous Fiber Filament</td>
<td>3D Printing</td>
<td>Safe Operating Procedures, Design Guides, Materia Selection, Print Setup/Submissions/Pickup, Costing, Takeaway Project</td>
<td>Continuous Fiber Filament Printer</td>
<td>1</td>
</tr>
<tr>
<td>Workshop</td>
<td>2D CAD</td>
<td>Orientation</td>
<td>Users will learn to create a 2D vector or graphic file that is machine ready. Users will create a part file based upon a designated standard and submit their original work for evaluation.</td>
<td>N/A</td>
<td>1</td>
</tr>
<tr>
<td>Workshop</td>
<td>3D CAD - Basic</td>
<td>Orientation</td>
<td>Users will learn to create a solid model that is machine ready. Users will create a part file based upon a designated standard and submit their original work for evaluation.</td>
<td>N/A</td>
<td>1</td>
</tr>
<tr>
<td>Workshop</td>
<td>3D CAD - Advanced</td>
<td>Onshape Fundamentals Certificate</td>
<td>Users will learn design intents and techniques to develop process driven models, specifically for 3D Printing and CNC.</td>
<td>N/A</td>
<td>2</td>
</tr>
<tr>
<td>Workshop</td>
<td>3D CAD/CAM - Fusion360</td>
<td>Orientation (Recommended: 3D CAD - Advanced)</td>
<td>Users will learn to create a solid model that is machine ready. Users will create a part file based upon a designated standard and submit their original work for evaluation.</td>
<td>N/A</td>
<td>1</td>
</tr>
<tr>
<td>Workshop</td>
<td>CAM - Fusion360</td>
<td>Orientation (recommended: 3D CAD/CAM - Fusion360)</td>
<td>Users will learn to create a solid model and associated toolpaths that is machine ready. Users will create a part file and toolpaths based upon a designated standard and submit their original work for evaluation.</td>
<td>N/A</td>
<td>1</td>
</tr>
<tr>
<td>Workshop</td>
<td>Electronics for Making</td>
<td>Orientation</td>
<td>Soldering, Breadboarding, Electrical components, Circuit theory, Programming theory, MakeCode, Arduino, Circuit Python.</td>
<td>N/A</td>
<td>1</td>
</tr>
<tr>
<td>Workshop</td>
<td>Physical Computing</td>
<td>Orientation (Recomended: Electronics for Making)</td>
<td>Combining Electronic Component and Programming into one device, such as Arduino, and Circuit Playground, Raspberry Pi.</td>
<td>N/A</td>
<td>1</td>
</tr>
<tr>
<td>Workshop</td>
<td>(Rotating Topics)</td>
<td>Orientation</td>
<td></td>
<td>N/A</td>
<td>1</td>
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# Material Costing

<table>
<thead>
<tr>
<th>Material</th>
<th>Cost Per Full SI</th>
<th>Process</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4&quot; 36&quot; Dowel</td>
<td>$0.50</td>
<td>Woodshop, General Making</td>
<td></td>
</tr>
<tr>
<td>1/2&quot; 36&quot; Dowel</td>
<td>$1.00</td>
<td>Woodshop, General Making</td>
<td></td>
</tr>
<tr>
<td>1&quot; 36&quot; Dowel</td>
<td>$4.00</td>
<td>Woodshop, General Making</td>
<td></td>
</tr>
<tr>
<td>1.5&quot; 36&quot; Dowel</td>
<td>$8.00</td>
<td>Woodshop, General Making</td>
<td></td>
</tr>
<tr>
<td>2x4&quot;x8' Pine</td>
<td>$4.00</td>
<td>Woodshop, General Making</td>
<td></td>
</tr>
<tr>
<td>1x6&quot;x8' Eastern Pine</td>
<td>$12.00</td>
<td>Woodshop, General Making</td>
<td></td>
</tr>
<tr>
<td>1/4&quot; Lauan Underlayment 4x8'</td>
<td>$14.00</td>
<td>Woodshop, CNC Router, Laser Cutting/Marking, General Making</td>
<td></td>
</tr>
<tr>
<td>1/4&quot; MDF 4x8'</td>
<td>$14.00</td>
<td>Woodshop, CNC Router, Laser Cutting/Marking, General Making</td>
<td></td>
</tr>
<tr>
<td>1/2&quot; MDF 4x8'</td>
<td>$24.00</td>
<td>Woodshop, CNC Router, General Making</td>
<td></td>
</tr>
<tr>
<td>3/4&quot; MDF 4x8'</td>
<td>$30.00</td>
<td>Woodshop, CNC Router, General Making</td>
<td></td>
</tr>
<tr>
<td>6mm Baltic Birch 5x5'</td>
<td>$15.00</td>
<td>Woodshop, CNC Router, Laser Cutting/Marking, General Making</td>
<td></td>
</tr>
<tr>
<td>12mm Baltic Birch 5x5'</td>
<td>$25.00</td>
<td>Woodshop, CNC Router, General Making</td>
<td></td>
</tr>
<tr>
<td>18mm Baltic Birch 5x5'</td>
<td>$36.00</td>
<td>Woodshop, CNC Router, General Making</td>
<td></td>
</tr>
<tr>
<td>1/2&quot; Sanded Pine (AC) 4x8'</td>
<td>$24.00</td>
<td>Woodshop, CNC Router, General Making</td>
<td></td>
</tr>
<tr>
<td>3/4&quot; Sanded Pine (AC) 4x8'</td>
<td>$35.00</td>
<td>Woodshop, CNC Router, General Making</td>
<td></td>
</tr>
<tr>
<td>12&quot; x 12&quot; .016&quot; Sheet Aluminum</td>
<td>$8.00</td>
<td>Water Jet, General Making</td>
<td></td>
</tr>
<tr>
<td>12&quot; x 12&quot; x .125&quot; Sheet Aluminum</td>
<td>$20.00</td>
<td>Water Jet, General Making</td>
<td></td>
</tr>
<tr>
<td>12&quot; x 12&quot; x .016&quot; Sheet Brass</td>
<td>$15.00</td>
<td>Water Jet, General Making</td>
<td></td>
</tr>
<tr>
<td>12&quot; x 12&quot; x .024&quot; Sheet Mild Steel</td>
<td>$6.00</td>
<td>Water Jet, General Making</td>
<td></td>
</tr>
<tr>
<td>12&quot; x 12&quot; x .125&quot; Sheet Mild Steel</td>
<td>$16.00</td>
<td>Water Jet, General Making</td>
<td></td>
</tr>
<tr>
<td>36&quot; x 1&quot; x 4&quot; Aluminum</td>
<td>$100.00</td>
<td>CNC Mill, Water Jet, General Making</td>
<td></td>
</tr>
<tr>
<td>36&quot; x .5&quot; x 4&quot; Mild Steel</td>
<td>$85.00</td>
<td>CNC Mill, Water Jet, General Making</td>
<td></td>
</tr>
<tr>
<td>1lb Assorted Steel</td>
<td>$2.00</td>
<td>CNC Mill, Water Jet, General Making</td>
<td></td>
</tr>
<tr>
<td>1lb Assorted Aluminum</td>
<td>$3.00</td>
<td>CNC Mill, Water Jet, General Making</td>
<td></td>
</tr>
<tr>
<td>1lb Assorted Brass</td>
<td>$4.00</td>
<td>CNC Mill, Water Jet, General Making</td>
<td></td>
</tr>
<tr>
<td>1 yd White Fabric</td>
<td>$7.00</td>
<td>Sewing, Textile Printing, General Making</td>
<td></td>
</tr>
<tr>
<td>1 yd Black Fabric</td>
<td>$7.00</td>
<td>Sewing, Textile Printing, General Making</td>
<td></td>
</tr>
<tr>
<td>1 yd Blue Fabric</td>
<td>$7.00</td>
<td>Sewing, Textile Printing, General Making</td>
<td></td>
</tr>
<tr>
<td>2 x 4' x 5/32&quot; Cardboard</td>
<td>$2.00</td>
<td>Laser Cutting/Marking, General Making</td>
<td></td>
</tr>
<tr>
<td>20.5&quot; x 30.5&quot; Black Cardstock</td>
<td>$5.00</td>
<td>Laser Cutting/Marking, General Making</td>
<td></td>
</tr>
<tr>
<td>32&quot; x 40&quot; Matboard 4 ply</td>
<td>$10.00</td>
<td>Laser Cutting/Marking, General Making</td>
<td></td>
</tr>
<tr>
<td>24&quot; X 48&quot; x .125&quot; Clear Acrylic</td>
<td>$22.00</td>
<td>Laser Cutting/Marking, General Making</td>
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</table>