

Press Brake / Hydraulic Shear donation

David Drisdelle is a retired Machinery Repair Technician living in Frisco, From Scotland. He toured the makerspace in May.

He is 72, has had a stroke and fallen off his roof. Feels he cannot safely use his equipment any longer, He would like to donate his equipment to the makerspace, Stipulation is we must take it all!

His wife supports the donation and would really like to get a car in the garage, and be prepared if they need to move to get long term medical care.



There are two machines we are particularly interested in:

6' 45 ton Press brake and a hydraulic shear. Randy Lisbona, Tim Bene, John Nguyen visited Davids shop on May 17.

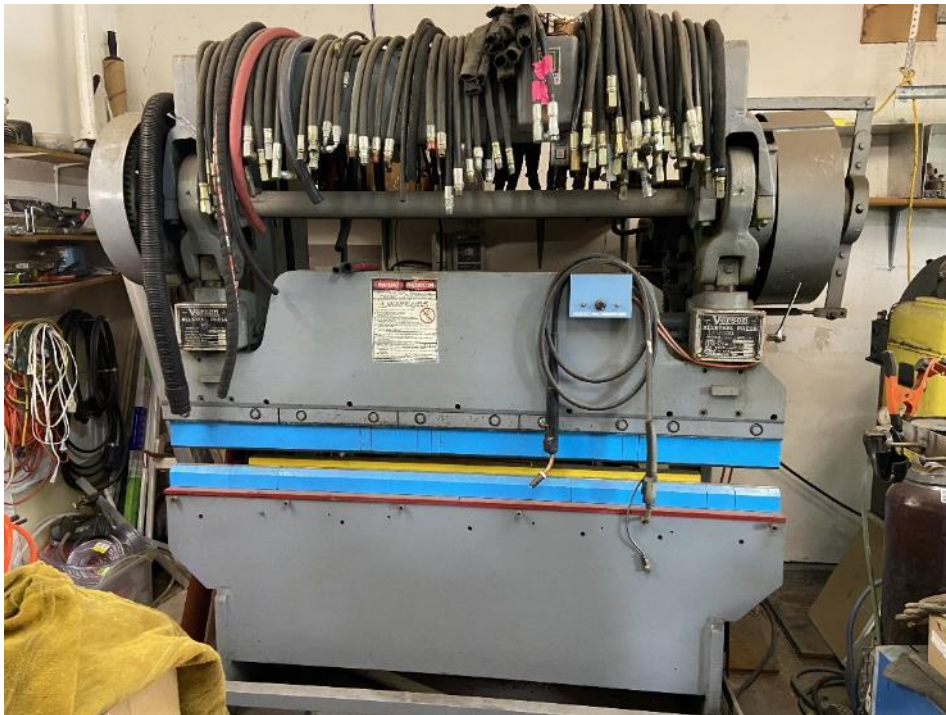
Tim got a bid to move the Press brake and shear at a cost of \$5000, we can move/dispose of the rest.

Metal shop voted on June 7th to pursue funding and dispose of our mechanical shear

Both machines have back gauges. Main advantage vs our manual box and pan brake is repeatability and much higher capacity, up to 3/8" on the press brake. Can air bend harder materials, it runs in jog mode with a foot pedal.

Hydraulic shear is much quieter, not as intimidating, has front and back gauges so can make repeatable cuts

He also has lots of handtools, Toolchests, two small metal bandsaws, a Mig Welder that could go in Blacksmithing. A bunch of hydraulic pumps and cylinders



The existing box and pan brake was a huge step up from the magnetic brake
The opportunity to get a press brake is huge step up from box and pan brake



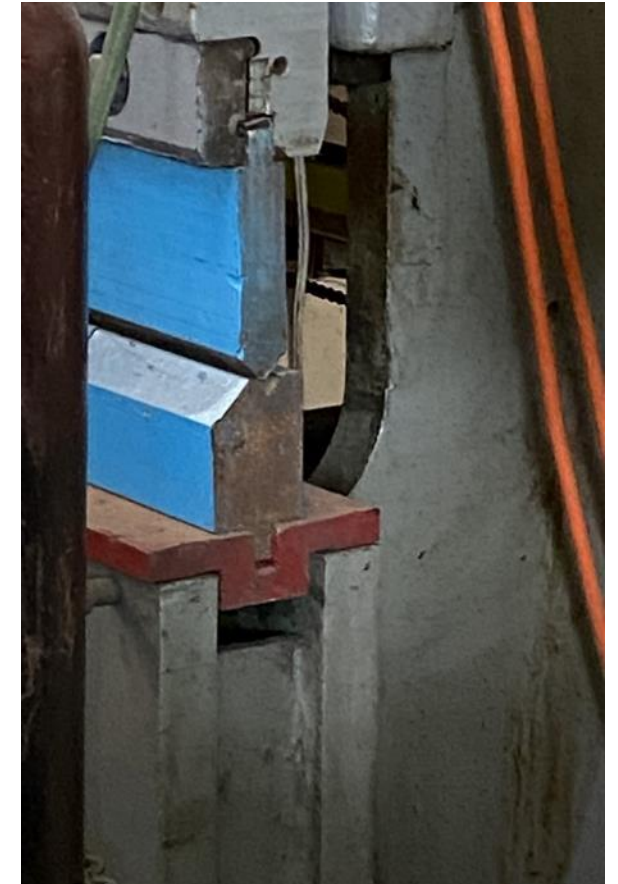
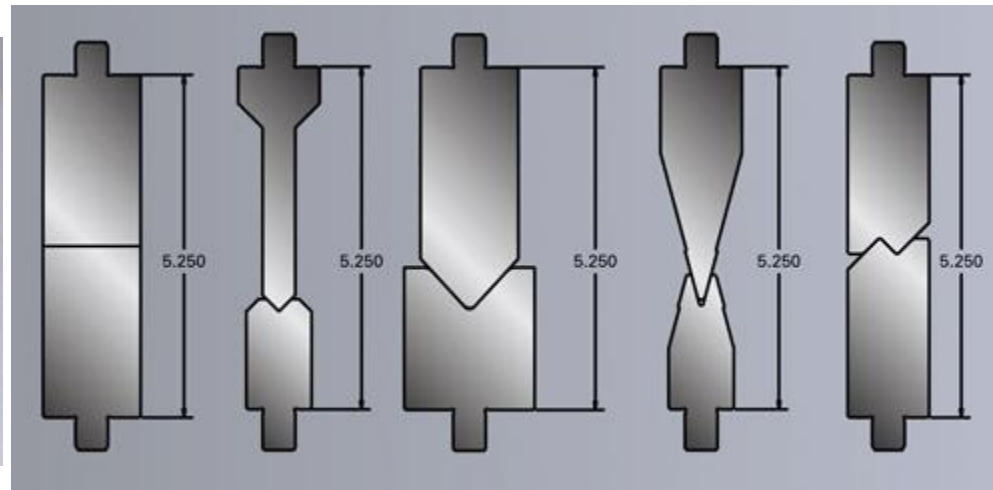
Mechanical shear added heavier gauge cutting vs a stomp shear
A hydraulic shear with back gauge is a huge step up from a Mechanical shear

What can a press brake do? Primarily designed for bending sheet metal.
There is a top and bottom die. Lots of tooling options.

\$3500

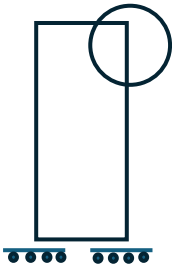
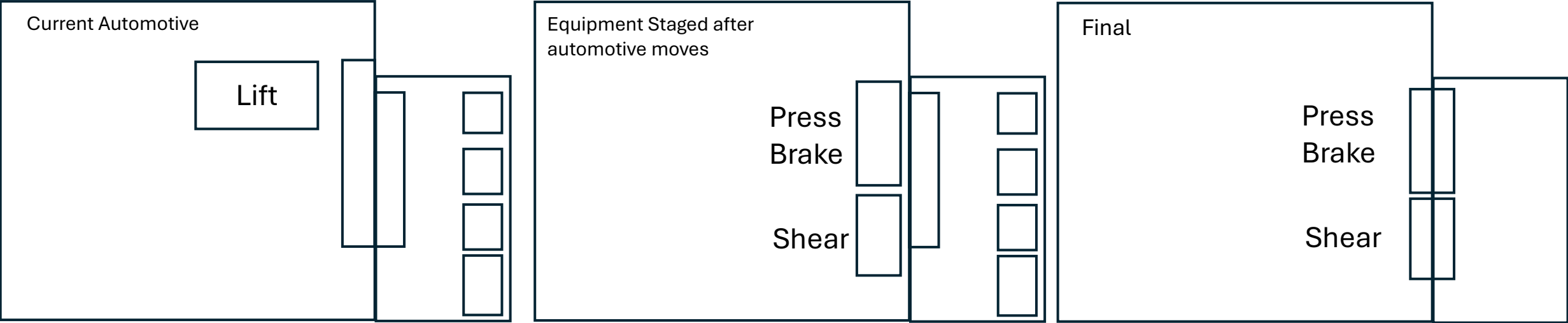
~ \$50K new

Box and Pan Brake < Mechanical Press Brake < CNC Press Brake



Proposed Installation Schedule

- Approval to allocate \$5000 to move it
- June-July: Clear out everything we can move by hand from Davids Garage to prepare for the riggers to arrive.
- July: Automotive Lift move to new area
- July-August: Issue the move contract, Move the pressbrake and shear and stage on rollers behind Laser computer desks
- ??: After Laser moves, the press brake and shear can be move the final few feet, jacked up, remove rollers, set in place.



The equipment sits on 1” metal plates
We can install steel rods to act as rollers under the plates

| High | | | Med | | | Low | | | |
|--------------|-----------------------|-------------|-------|-------------------------------|-------------|-------------------------------|------------------|-------------|-------|
| Member Usage | Tool | Skill Level | Usage | Tool | Skill Level | Usage | Tool | Skill Level | Usage |
| | AutoLift | Low | High | 3D Filament Printers | Med | High | BookPress | Low | Low |
| | Chop Saw | Low | High | Blacksmithing Forge | Med | High | Degreaser | Low | Low |
| | Cordless Tools | Low | High | Mig Welding | Med | High | Gantry Crane | Low | Low |
| | Drill Press | Low | High | Pottery | Med | High | Hydraulic Press | Low | Low |
| | Laser | Low | High | Sewing | Med | High | MotorCycle Lifts | Low | Low |
| | Router Table | Low | High | WoodLathes | Med | High | | | |
| | VaporHone | Low | High | Wood Bandsaws | Med | High | | | |
| | Woodshop Belt Sanders | Low | High | TableSaw | Med | High | | | |
| | BurrKing Belt Grinder | Low | High | | | | | | |
| Med | Tool | Skill Level | Usage | Tool | Skill Level | Usage | | | |
| | Horizontal Bandsaw | Low | Med | BurrKing Belt Grinder | Med | Med | | | |
| | Disk Grinder | Low | Med | Bench Grinders | Med | Med | | | |
| | PowderCoat | Low | Med | Blacksmithing Induction Forge | Med | Med | | | |
| | Stained Glass | Low | Med | PressBrake | Med | Med | | | |
| Low | Tool | Skill Level | Usage | Tool | Skill Level | Usage | | | |
| | | | | Shear | Med | Med | | | |
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| Low | | | Med | | | Skill Level to operate safely | | | |

| Member Usage | High | Tool | | | Skill Level | | | Usage | | |
|--------------|------|-----------------------|--------------|------------|-------------------------------|-----------------------|------------|--------------------------|------|------|
| | | AutoLift | Low | High | 3D Filament Printers | Med | High | CNC Plasma | High | High |
| | | Chop Saw | Low | High | Blacksmithing Forge | Med | High | | | |
| | | Cordless Tools | Low | High | Mig Welding | Med | High | | | |
| | | Drill Press | Low | High | Pottery | Med | High | | | |
| | | Laser | Low | High | Sewing | Med | High | | | |
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| | | Woodshop Belt Sanders | Low | High | TableSaw | Med | High | | | |
| | | BurrKing Belt Grinder | Low | High | | | | | | |
| Med | | Tool | | | Skill Level | | | Usage | | |
| | | Horizontal Bandsaw | Low | Med | BurrKing Belt Grinder | Med | Med | Lampworking | High | Med |
| | | Disk Grinder | Low | Med | Bench Grinders | Med | Med | Tig Welding | High | Med |
| | | PowderCoat | Low | Med | Blacksmithing Induction Forge | Med | Med | | | |
| | | Stained Glass | Low | Med | PressBrake | Med | Med | | | |
| | | | Shear | Med | Med | | | | | |
| Low | | Tool | | | Skill Level | | | Usage | | |
| | | BookPress | Low | Low | 3D Resin Printers | Med | Low | Animitronics | High | Low |
| | | Degreaser | Low | Low | BoxAndPan Brake | Med | Low | CNC Lathe | High | Low |
| | | Gantry Crane | Low | Low | ColdSaws | Med | Low | CNC Mills | High | Low |
| | | Hydraulic Press | Low | Low | Diamond Glass Saws | Med | Low | DarkRoom | High | Low |
| | | MotorCycle Lifts | Low | Low | Engine Lift | Med | Low | Digital Media | High | Low |
| | | | | | English Wheel | Med | Low | Glass Slumping | High | Low |
| | | | | | Heat Press | Med | Low | Jewelry Buffers | High | Low |
| | | | | | Iron Worker | Med | Low | Jewelry Diamond Saw | High | Low |
| | | | | | LeatherWorking | Med | Low | Jewelry Metal Casting | High | Low |
| | | | | | PowderCoat | Med | Low | Jewelry Silver Soldering | High | Low |
| | | | | | Slip Roller | Med | Low | Letter Press | High | Low |
| | | | | | Stained Glass | Med | Low | MultiCam | High | Low |
| | | | | | Weaving | Med | Low | Plastics Bandsaw | High | Low |
| | | | | | | | | Plastics CNC router | High | Low |
| | | | | | | Plastics Tablesaw | High | Low | | |
| | | | | | | Science Fume Hoods | High | Low | | |
| | | | | | | Sherline Lathes/Mills | High | Low | | |
| | | | | | | Silk Screen | High | Low | | |

| | | Usage vs Danger | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | Low | | Med | | High | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Member Usage | High | <table><tr><th>Tool</th><th>Danger</th><th>Usage</th></tr><tr><td>3D Filament Printers</td><td>Low</td><td>High</td></tr><tr><td>Cordless Tools</td><td>Low</td><td>High</td></tr><tr><td>Laser</td><td>Low</td><td>High</td></tr><tr><td>Pottery</td><td>Low</td><td>High</td></tr><tr><td>Sewing</td><td>Low</td><td>High</td></tr><tr><td>VaporHone</td><td>Low</td><td>High</td></tr></table> | Tool | Danger | Usage | 3D Filament Printers | Low | High | Cordless Tools | Low | High | Laser | Low | High | Pottery | Low | High | Sewing | Low | High | VaporHone | Low | High | <table><tr><th>Tool</th><th>Danger</th><th>Usage</th></tr><tr><td>BurrKing Belt Grinder</td><td>Med</td><td>High</td></tr><tr><td>AutoLift</td><td>Med</td><td>High</td></tr><tr><td>Blacksmithing Forge</td><td>Med</td><td>High</td></tr><tr><td>Chop Saw</td><td>Med</td><td>High</td></tr><tr><td>CNC Plasma</td><td>Med</td><td>High</td></tr><tr><td>Drill Press</td><td>Med</td><td>High</td></tr><tr><td>Mig Welding</td><td>Med</td><td>High</td></tr><tr><td>TableSaw</td><td>Med</td><td>High</td></tr><tr><td>WoodLathes</td><td>Med</td><td>High</td></tr><tr><td>Woodshop Belt Sanders</td><td>Med</td><td>High</td></tr></table> | Tool | Danger | Usage | BurrKing Belt Grinder | Med | High | AutoLift | Med | High | Blacksmithing Forge | Med | High | Chop Saw | Med | High | CNC Plasma | Med | High | Drill Press | Med | High | Mig Welding | Med | High | TableSaw | Med | High | WoodLathes | Med | High | Woodshop Belt Sanders | Med | High | <table><tr><th>Tool</th><th>Danger</th><th>Usage</th></tr><tr><td>Router Table</td><td>High</td><td>High</td></tr><tr><td>Wood Bandsaws</td><td>High</td><td>High</td></tr></table> | Tool | Danger | Usage | Router Table | High | High | Wood Bandsaws | High | High | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Tool | Danger | Usage | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 3D Filament Printers | Low | High | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cordless Tools | Low | High | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laser | Low | High | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pottery | Low | High | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sewing | Low | High | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VaporHone | Low | High | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tool | Danger | Usage | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BurrKing Belt Grinder | Med | High | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AutoLift | Med | High | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Blacksmithing Forge | Med | High | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Chop Saw | Med | High | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CNC Plasma | Med | High | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Drill Press | Med | High | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mig Welding | Med | High | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TableSaw | Med | High | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WoodLathes | Med | High | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Woodshop Belt Sanders | Med | High | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tool | Danger | Usage | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Router Table | High | High | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wood Bandsaws | High | High | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Med | <table><tr><th>Tool</th><th>Danger</th><th>Usage</th></tr><tr><td>BurrKing Belt Grinder</td><td>Low</td><td>Med</td></tr><tr><td>Disk Grinder</td><td>Low</td><td>Med</td></tr><tr><td>Horizontal Bandsaw</td><td>Low</td><td>Med</td></tr><tr><td>PowderCoat</td><td>Low</td><td>Med</td></tr><tr><td>Stained Glass</td><td>Low</td><td>Med</td></tr></table> | Tool | Danger | Usage | BurrKing Belt Grinder | Low | Med | Disk Grinder | Low | Med | Horizontal Bandsaw | Low | Med | PowderCoat | Low | Med | Stained Glass | Low | Med | <table><tr><th>Tool</th><th>Danger</th><th>Usage</th></tr><tr><td>Bench Grinders</td><td>Med</td><td>Med</td></tr><tr><td>Blacksmithing Induction Forge</td><td>Med</td><td>Med</td></tr><tr><td>Lampworking</td><td>Med</td><td>Med</td></tr><tr><td>PressBrake</td><td>Med</td><td>Med</td></tr><tr><td>Shear</td><td>Med</td><td>Med</td></tr><tr><td>Tig Welding</td><td>Med</td><td>Med</td></tr></table> | Tool | Danger | Usage | Bench Grinders | Med | Med | Blacksmithing Induction Forge | Med | Med | Lampworking | Med | Med | PressBrake | Med | Med | Shear | Med | Med | Tig Welding | Med | Med | <table><tr><th>Tool</th><th>Danger</th><th>Usage</th></tr><tr><td></td><td></td><td></td></tr></table> | Tool | Danger | Usage | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tool | Danger | Usage | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BurrKing Belt Grinder | Low | Med | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Disk Grinder | Low | Med | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Horizontal Bandsaw | Low | Med | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PowderCoat | Low | Med | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stained Glass | Low | Med | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tool | Danger | Usage | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bench Grinders | Med | Med | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Blacksmithing Induction Forge | Med | Med | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lampworking | Med | Med | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PressBrake | Med | Med | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shear | Med | Med | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tig Welding | Med | Med | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tool | Danger | Usage | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Low | <table><tr><th>Tool</th><th>Danger</th><th>Usage</th></tr><tr><td>3D Resin Printers</td><td>Low</td><td>Low</td></tr><tr><td>Animitronics</td><td>Low</td><td>Low</td></tr><tr><td>BookPress</td><td>Low</td><td>Low</td></tr><tr><td>BoxAndPan Brake</td><td>Low</td><td>Low</td></tr><tr><td>DarkRoom</td><td>Low</td><td>Low</td></tr><tr><td>Degreaser</td><td>Low</td><td>Med</td></tr><tr><td>Diamond Glass Saws</td><td>Low</td><td>Low</td></tr><tr><td>Digital Media</td><td>Low</td><td>Low</td></tr><tr><td>English Wheel</td><td>Low</td><td>Low</td></tr><tr><td>Heat Press</td><td>Low</td><td>Low</td></tr><tr><td>Jewelry Diamond Saw</td><td>Low</td><td>Low</td></tr><tr><td>LeatherWorking</td><td>Low</td><td>Low</td></tr><tr><td>Sherline Lathes/Mills</td><td>Low</td><td>Low</td></tr><tr><td>Silk Screen</td><td>Low</td><td>Low</td></tr><tr><td>Slip Roller</td><td>Low</td><td>Low</td></tr><tr><td>Weaving</td><td>Low</td><td>Low</td></tr><tr><td>PowderCoat</td><td>Low</td><td>Low</td></tr></table> | Tool | Danger | Usage | 3D Resin Printers | Low | Low | Animitronics | Low | Low | BookPress | Low | Low | BoxAndPan Brake | Low | Low | DarkRoom | Low | Low | Degreaser | Low | Med | Diamond Glass Saws | Low | Low | Digital Media | Low | Low | English Wheel | Low | Low | Heat Press | Low | Low | Jewelry Diamond Saw | Low | Low | LeatherWorking | Low | Low | Sherline Lathes/Mills | Low | Low | Silk Screen | Low | Low | Slip Roller | Low | Low | Weaving | Low | Low | PowderCoat | Low | Low | <table><tr><th>Tool</th><th>Danger</th><th>Usage</th></tr><tr><td>Plastics CNC router</td><td>Med</td><td>Low</td></tr><tr><td>CNC Lathe</td><td>Med</td><td>Low</td></tr><tr><td>ColdSaws</td><td>Med</td><td>Low</td></tr><tr><td>Engine Lift</td><td>Med</td><td>Low</td></tr><tr><td>Gantry Crane</td><td>Med</td><td>Low</td></tr><tr><td>Iron Worker</td><td>Med</td><td>Low</td></tr><tr><td>Jewelry Buffers</td><td>Med</td><td>Low</td></tr><tr><td>Jewelry Metal Casting</td><td>Med</td><td>Low</td></tr><tr><td>Jewelry Silver Soldering</td><td>Med</td><td>Low</td></tr><tr><td>Letter Press</td><td>Med</td><td>Low</td></tr><tr><td>MultiCam</td><td>Med</td><td>Low</td></tr><tr><td>Plastics CNC router</td><td>Med</td><td>Low</td></tr><tr><td>Plastics Tablesaw</td><td>Med</td><td>Low</td></tr><tr><td>Science Fume Hoods</td><td>Med</td><td>Low</td></tr><tr><td>MotorCycle Lifts</td><td>Med</td><td>Low</td></tr><tr><td>Glass Slumping</td><td>Med</td><td>Low</td></tr></table> | Tool | Danger | Usage | Plastics CNC router | Med | Low | CNC Lathe | Med | Low | ColdSaws | Med | Low | Engine Lift | Med | Low | Gantry Crane | Med | Low | Iron Worker | Med | Low | Jewelry Buffers | Med | Low | Jewelry Metal Casting | Med | Low | Jewelry Silver Soldering | Med | Low | Letter Press | Med | Low | MultiCam | Med | Low | Plastics CNC router | Med | Low | Plastics Tablesaw | Med | Low | Science Fume Hoods | Med | Low | MotorCycle Lifts | Med | Low | Glass Slumping | Med | Low | <table><tr><th>Tool</th><th>Danger</th><th>Usage</th></tr><tr><td>CNC Mills</td><td>High</td><td>High</td></tr><tr><td>Hydraulic Press</td><td>High</td><td>High</td></tr><tr><td>Science Fume Hoods</td><td>High</td><td>High</td></tr></table> | Tool | Danger | Usage | CNC Mills | High | High | Hydraulic Press | High | High | Science Fume Hoods | High | High |
| Tool | Danger | Usage | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3D Resin Printers | Low | Low | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Animitronics | Low | Low | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BookPress | Low | Low | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BoxAndPan Brake | Low | Low | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DarkRoom | Low | Low | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Degreaser | Low | Med | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Diamond Glass Saws | Low | Low | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Digital Media | Low | Low | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| English Wheel | Low | Low | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Heat Press | Low | Low | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jewelry Diamond Saw | Low | Low | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LeatherWorking | Low | Low | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sherline Lathes/Mills | Low | Low | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Silk Screen | Low | Low | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Slip Roller | Low | Low | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Weaving | Low | Low | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PowderCoat | Low | Low | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tool | Danger | Usage | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Plastics CNC router | Med | Low | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CNC Lathe | Med | Low | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ColdSaws | Med | Low | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Engine Lift | Med | Low | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gantry Crane | Med | Low | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Iron Worker | Med | Low | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jewelry Buffers | Med | Low | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jewelry Metal Casting | Med | Low | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jewelry Silver Soldering | Med | Low | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Letter Press | Med | Low | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MultiCam | Med | Low | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Plastics CNC router | Med | Low | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Plastics Tablesaw | Med | Low | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Science Fume Hoods | Med | Low | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MotorCycle Lifts | Med | Low | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Glass Slumping | Med | Low | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tool | Danger | Usage | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CNC Mills | High | High | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hydraulic Press | High | High | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Science Fume Hoods | High | High | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Member Usage | High | Tool | | | Tool | | | Tool | | |
|-----------------------|------|-----------------------|--------------------------|------|-------------------------------|------------|------------|--------------------|-------|------|
| | | Danger | Usage | | Danger | Usage | | Danger | Usage | |
| | | 3D Filament Printers | Low | High | BurrKing Belt Grinder | Med | High | Router Table | High | High |
| | | Cordless Tools | Low | High | AutoLift | Med | High | Wood Bandsaws | High | High |
| | | Laser | Low | High | Blacksmithing Forge | Med | High | | | |
| | | Pottery | Low | High | Chop Saw | Med | High | | | |
| | | Sewing | Low | High | CNC Plasma | Med | High | | | |
| | | VaporHone | Low | High | Drill Press | Med | High | | | |
| | | | | | Mig Welding | Med | High | | | |
| | | | | | TableSaw | Med | High | | | |
| | | | WoodLathes | Med | High | | | | | |
| | | | Woodshop Belt Sanders | Med | High | | | | | |
| Med | | Tool | | | Tool | | | Tool | | |
| | | Danger | Usage | | Danger | Usage | | Danger | Usage | |
| | | BurrKing Belt Grinder | Low | Med | Bench Grinders | Med | Med | | | |
| | | Disk Grinder | Low | Med | Blacksmithing Induction Forge | Med | Med | | | |
| | | Horizontal Bandsaw | Low | Med | Lampworking | Med | Med | | | |
| | | PowderCoat | Low | Med | PressBrake | Med | Med | | | |
| | | Stained Glass | Low | Med | Shear | Med | Med | | | |
| | | | | | Tig Welding | Med | Med | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| Low | | Tool | | | Tool | | | Tool | | |
| | | Danger | Usage | | Danger | Usage | | Danger | Usage | |
| | | 3D Resin Printers | Low | Low | Plastics CNC router | Med | Low | CNC Mills | High | Low |
| | | Animitronics | Low | Low | CNC Lathe | Med | Low | Hydraulic Press | High | Low |
| | | BookPress | Low | Low | ColdSaws | Med | Low | Science Fume Hoods | High | Low |
| | | BoxAndPan Brake | Low | Low | Engine Lift | Med | Low | | | |
| | | DarkRoom | Low | Low | Gantry Crane | Med | Low | | | |
| | | Degreaser | Low | Med | Iron Worker | Med | Low | | | |
| | | Diamond Glass Saws | Low | Low | Jewelry Buffers | Med | Low | | | |
| | | Digital Media | Low | Low | Jewelry Metal Casting | Med | Low | | | |
| English Wheel | Low | Low | Jewelry Silver Soldering | Med | Low | | | | | |
| Heat Press | Low | Low | Letter Press | Med | Low | | | | | |
| Jewelry Diamond Saw | Low | Low | MultiCam | Med | Low | | | | | |
| LeatherWorking | Low | Low | Plastics CNC router | Med | Low | | | | | |
| Sherline Lathes/Mills | Low | Low | Plastics Tablesaw | Med | Low | | | | | |
| Silk Screen | Low | Low | Science Fume Hoods | Med | Low | | | | | |
| Slip Roller | Low | Low | MotorCycle Lifts | Med | Low | | | | | |
| Weaving | Low | Low | Glass Slumping | Med | Low | | | | | |
| PowderCoat | Low | Low | | | | | | | | |