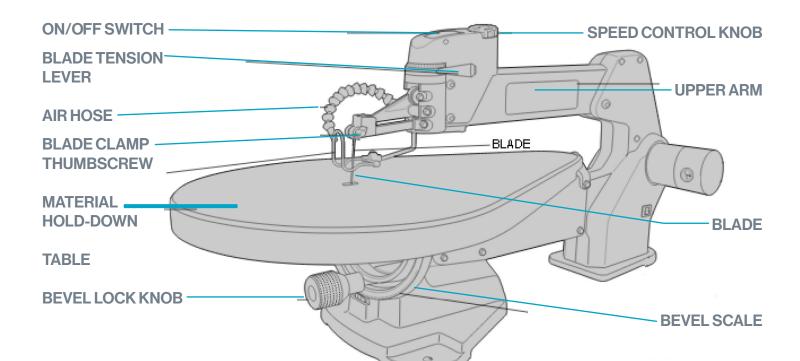


THE SCROLL SAW MAKES DETAILED STRAIGHT AND CURVED CUTS

P.2

VERSION#



MATERIALS

ALLOWED MATERIALS

- + Wood
- + MDF
- + Some Plastics
- + Acrylic

BANNED MATERIALS

- Metal
- Most plastics
- Carbon fiber and composites

CONSULT MAKERSPACE STAFF FIRST

+ All other materials

TAKE PROPER SAFETY PRECAUTIONS WHEN OPERATING THE SCROLL SAW

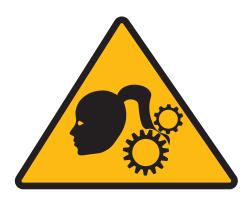
P.3







Safety glasses required
Hearing protection recommended (ear plugs or ear muffs)







- Wear short sleeves or roll up long sleeves
- Secure any loose clothing (zip up jackets, tuck in strings, etc.)
 - Tie up and tuck in long hair
 - Remove jewelry and lanyards, etc.
- Do not wear gloves



 Lower the blade guard 1/8" -1/4" above the workpiece TOOLS AND MATERIALS NEEDED

P. 4





MATERIALS

- What we offer
 - 1/8" plywood
- Common places to buy these materials:
 - SHED Makerspace Materials Shop
 - ID Shop
 - Foundations 3D Design Shop
 - Lowe's
 - Home Depot
 - Any wood/lumber store

If bringing your own material, you must provide a receipt or MSDS as proof of what it is

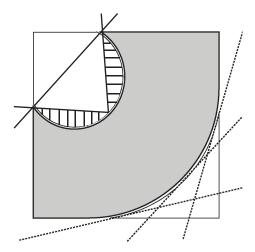
USAGE TIPS

Making curved cuts:

- Each blade has a minimum cut radius it is capable of based on the blade width
- Forcing a cut with too tight a radius will damage both the blade and the material being cut
- Reference the image to the left to make relief cuts when making curved cuts

Making straight cuts:

- Follow drawn lines.
- Clamp a refence edge to the table to follow.



RELIEF CUTS GUIDE

ERSION

HOW TO USE THE SCROLL SAW

P. 6

QUICK CHECK BEFORE STARTING

- 1. Make sure that blade is properly tensioned.
- 2. Lower hold down to top of workpiece, within 1/16" to 1/8"
- 3. Position air nozzle near blade

KEEP FOOT 1/16" TO 1/8" ABOVE THE WORK SURFACE

DURING THE JOB

Slowly feed workpiece through, following drawn lines

HOLD DOWN
WORKPIECE FIRMLY TO
THE TABLE



WORK SLOWLY TO AVOID DAMAGE TO WORKPIECE AND SAWBLADE

CLEANUP

1. Sweep off table



P.7

BLADE POPPED OUT / BROKEN

- Blade isn't properly tensioned
- Feed work through more slowly

NOT ABLE TO MAINTAIN CONTROL

- Lower speed of oscillation
- Lower feed rate pushing through

BLADE NOT FOLLOWING LINE

- Blade may be under-tensioned
- Pushing too hard
- Blade may be dull







Hazard Communication Standard Pictogram

The Hazard Communication Standard (HCS) requires pictograms on labels to alert users of the chemical hazards to which they may be exposed. Each pictogram consists of a symbol on a white background framed within a red border and represents a distinct hazard(s). The pictogram on the label is determined by the chemical hazard classification.

HCS Pictograms and Hazards

Health Hazard Flame Exclamation Mark • Irritant (skin and eve) Carcinogen Hammables Mutagenicity Pyrophorics • Skin Sensitizer Self-Heating Acute Toxicity (harmful) Reproductive Toxicity • Respiratory Sensitizer • Emits Flammable Gas Narcotic Effects • Target Organ Toxicity • Respiratory Tract Self-Reactives Aspiration Toxicity • Organic Peroxides Irritant • Hazardous to Ozone Layer (Non-Mandatory) **Gas Cylinder** Corrosion **Exploding Bomb** • Skin Corrosion/ Gases Under Pressure Explosives Self-Reactives **Burns** • Eye Damage • Organic Peroxides Corrosive to Metals Flame Over Circle **Environment** Skull (Non-Mandatory) and Crossbones Oxidizers Aquatic Toxicity Acute Toxicity (fatal or toxic)





Occupational Safety and Health Administration

RIT Brand Elements collected

These a re some of the elements that we use frequently. Last updated 092721

