Craftsman 24” Scroll Saw

Description
Scroll Saw - Model: 315.216230, two speed (825 or 1750 SPM)

Size / Horse power
24” / NA

Power source
120 volt through power cord

Uses
Cutting wood, wood composition, plastic and nonferrous metals

Safety Precautions

<table>
<thead>
<tr>
<th>Hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amputation/Abrasions</td>
</tr>
<tr>
<td>Electrical shock</td>
</tr>
<tr>
<td>Entanglement of hair, jewelry, or clothing</td>
</tr>
<tr>
<td>Flying debris (potential eye damage)</td>
</tr>
</tbody>
</table>

Training
Shop Safety Fundamentals
Site Specific Training

Protective Equipment
Safety Glasses
Hearing protection
Avoid loose fitting clothing
Tie back long hair

Operation

Startup
1. Put on PPE listed above
2. Inspect the tool for damage or obstructions to operation
3. Ensure work area is clean and free of obstacles
4. Adjust the material hold-down so that it rest just slightly (1/8”) above the material
5. Make necessary adjustments for safe operation
6. Turn on the saw by flipping the switch to on
7. Allow the blade to reach full speed before beginning cut
8. Slowly feed material into blade, avoid putting excessive force on the blade
9. Keep hands clear of saw blade

Shutdown
1. Turn off the saw by flipping the switch to off
2. Allow the blade to come to a complete stop on its own
3. Remove work piece from table top
4. The switch key can be removed to lockout the saw

Speed Control
1. Speed switch is located next to the On/Off Switch
2. Flip the switch to the desired speed, 825 SPM or 1725 SPM

Table Adjustment
1. Loosen the table lock knob
2. Adjust table to desired angle using the scale located below the table
3. Tighten the table lock knob, check to make sure table is secure before using the saw
Changing Blade

1. **Disconnect tool from power supply**
2. On the top back of the saw, rotate the quick release knob to the left or counterclockwise to loosen blade tension
3. Remove the throat plate and old blade
4. Place blade through the throat plate opening with the teeth of the blade to the front of the saw and pointing down toward the table
5. Pull up on the blade and down on the upper saw arm to install blade into the upper blade holder
6. If the blade touches the hold down foot on either side, then the hold down foot must be adjusted
   a. Loosen the foot adjustment setscrew
   b. To center the hold down foot around the saw blade, slide the hold down foot to the side
   c. Tighten the foot adjusting knob
7. Replace throat plate
8. Properly tension blade before use

Adjusting Blade Tension

1. **Disconnect tool from power supply**
2. Tension adjusting knob is on the top of the saw. Rotate the quick release knob (outer, larger knob) 1/4 turn to the left or counterclockwise to release blade tension
3. Turn tension adjusting knob (upper, smaller knob) to the right or clockwise to increase tension. Turn it to the left or counterclockwise to decrease blade tension
4. Blade is properly tensioned when the sound it makes after being plucked is like that of plucking a guitar string. Sound becomes less flat as tension is increased
5. Rotate quick release knob to the right or clockwise 1/4 turn to engage tension before using the saw

Maintenance

<table>
<thead>
<tr>
<th>Storage</th>
<th>Molecular Biology – Room 0213K</th>
</tr>
</thead>
<tbody>
<tr>
<td>Care</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Clean off saw after you are done using. Always use a sharp blade</td>
</tr>
<tr>
<td></td>
<td>• Lubricate the arm bearings after every 50 hours of use or whenever there is a squeak coming from the bearings</td>
</tr>
<tr>
<td>Accessories</td>
<td>Hex Wrench</td>
</tr>
</tbody>
</table>

H:\H&S\Shop Safety\Equipment Data Sheets\Shop Equipment Data Sheet - Craftsman Scroll Saw.doc