

Reviews

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Standard Operating Procedure

EQUIPMENT: ***Struers Labotom-5 Manual Cutoff Saw***

SIGNIFICANT SAFETY PRECAUTIONS: **Machine has fast moving abrasive blade, pinch points, and associated chemicals.**

APPROVED BY: _____ DATE: _____

PREPARED BY: _____ Jessica Booth DATE: 1/21/2014

JOB STEPS

SAFETY KEY POINTS

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| <p>1.1 <u>Fill out Logbook</u> Name, date, PI, material cut, and any issues.</p> <p>1.2 <u>Before Use</u> Check coolant level, it should be 1-2 inches below top of mesh. If there are large metal pieces in mesh, remove them. If needed, add tap water to tank.</p> <p>1.3 <u>Prepare the Equipment</u> Release E-stop and turn on power switch on back right side of machine, internal light will go on.</p> <p>1.4 <u>Mounting Cutting Wheel</u> Select cutoff wheel designed for material being cut. There is a chart of recommended blades in the instruction binder, and on Struers.com
-Push large handle all the way back until cutting unit is all the way back. Depress pin for spindle lock and loosen nut to remove flange.
-Mount new cutting wheel, including paper washers on each side of blade for SiC blades. Replace and tighten flange and nut. Clamp back-stops may need to be moved to set blade into position.</p> <p>1.5 <u>Fixturing</u> Before inserting work piece, make sure back-stops are lined up with</p> | <p>Use caution when cleaning mesh, small pieces may be sharp. Wash hands to remove any coolant on skin.</p> <p>Hood will not open until power is on and should not open until saw blade is fully stopped.</p> <p>Be aware of pinch points with spindle stop pin and flange.</p> <p>Avoid pinch points on clamps</p> |
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back of cutting table. If they are not, move them into position and tighten nuts.

-Insert work piece between back stops and quick clamping device. Adjust to the needed size and lock in place. Blade should be to the right of work piece.

1.6 Operation Ensure clamps, work piece, and blades are firmly in place.

Make sure hood is fully closed. Hood will not open until blade has stopped moving.

- Close hood, depress START button. Coolant will flow and blade will begin spinning.

- Using grey handle on right of machine, slowly feed blade through work piece.

- Once finished, return handle to starting position and depress STOP button.

- Open hood and remove work piece and blade.

1.7 Cleanup Use attached coolant hose to spray down walls, cutting table, and coolant tray to remove debris. Firmly replace coolant hose.

Coolant from hose is pressurized; avoid splashing in eyes or on clothing, safety glasses are advised. If contact occurs, flush with water.

-If debris is allowed to sit, it will corrode machine and cause fixtures to seize!

When rinsed, leave hood open to let coolant evaporate.

Authorized Operators:

Name: _____ Signature: _____ Date: _____

Personal Protective Equipment (PPE) Hazard Assessment Certification

I _____ hereby certify that on ___/___/___ a
Name of Managers
hazards assessment of area _____ was performed for
the purpose of specifying **P**ersonal **P**rotective **E**quipment (**PPE**). I
also
certify that the following employees received and understood training
regarding **PPE** requirements for this area.

(Please Print)

Name: _____

Name of Managers

Signature: _____

Title: _____

Date: _____