

 <b>DALHOUSIE UNIVERSITY</b> <i>Inspiring Minds</i>  <b>Safe Work Instructions for Powered Hand Held Hack / Band Saw</b>	<b>Policy Sponsor:</b>  Assistant Vice President Facilities Management	<b>Approval Date:</b>  October 2015
	<b>Responsible Unit:</b>  Trade Services	<b>Revisions:</b>  January 2018

**Known Hazards**

- Slipping or tripping
- Loose clothing getting caught in moving parts
- Long hair or jewelry getting caught in moving parts
- Noise
- Risk of eye injury
- Falling objects
- Failure to support heavy stock
- Being cut on blade
- Saw Head
- Metal splinters, sharp edges and burrs

**Job Specific Training Requirements**

- Proper operation of equipment
- Standard shop safety practices

**Applicable Regulations / Standards / Procedures**

**Personal Protective Equipment Requirements**

- Safety footwear
- Safety glasses and/or face shield
- Hearing protection
- Close fitting protective clothing
- Safety / work gloves

**Safe Job Procedures**

Job steps are listed in the order in which they must be completed. Key activities follow each step. Key steps and the associated activities must be followed in the order presented to achieve maximum efficiency in safety, production, quality and overall loss prevention.

Only employees that hand read the Owner's Manual and received training by a competent person are allowed to operate this equipment.

**Battery Powered Band Saws**

- To remove a battery pack, push the release buttons and pull the battery away from the saw.

- To insert a battery pack, slide the battery into the body of the tool and make sure it securely latched in place.
- Only use a charger that has been specified for use with this tool.

### **Electrically Powered Band Saws**

- Check the power cord and plug for damage prior to each use.
- Plug the saw into a properly grounded outlet.
- Ensure that the blade you will be using has the correct pitch (teeth per inch) for the your cutting job.

### **Blades and Blade Selection**

- Consider the size, shape and type of material to be cut when selecting the proper blade.
- Use coarse pitch blades for soft materials.
- Use fine pitch blades for hard materials.
- Use coarse pitch blades for thick material and fine pitch blades for thin material.
- See the manual for specific information on blade selection.
- Keep at least 3 teeth in the cut at all times.
- To Change a Blade:
  - Remove the battery pack or unplug the drill.
  - Raise the material guide to the upper position.
  - Turn the tension lock handle, on the front of the saw, 180 degrees counter clockwise.
  - Remove the blade by pulling it out of the guides.
  - Press the release button to lift the blade above the blade guard and remove the blade completely.
  - Install the new blade by fitting it around the pulleys.
  - Ensure the teeth face out.
  - Firmly press the blade between the guides.
- Turn the tension lock handle 180 degrees clockwise to secure the blade on the pulleys.
- Adjust the material guide to desired position.

- Ensure that the blade lies freely within the guard channel before starting the saw.
- Ensure that the blade is properly seated on the pulleys before starting a cut.

## **Operation**

- Ensure that work area is free of obstacles and debris.
- Check the saw and power cord if it has one, for damage or defects.
- Ensure you are familiar with trigger operation and trigger lock.
- Ensure the material you will be cutting is firmly held in place by a vise or other device.
- Plug power cord into wall outlet.
- Ensure you are in a comfortable and stable position.
- Make sure the power cord is clear of the blade and cutting area.
- Grasp both handles firmly and pull the trigger to begin cutting.
- If the saw does not start or operate at full power with a fully charged battery pack remove the battery and clean the contacts on the battery pack.
- Keep the blade off the item being cut until the saw has reached full speed.
- Ensure that as you start cutting the greatest number of teeth are in contact with the item being cut.
- Place the material guide against the item being cut and lower the blade into the cut.
- Avoid applying pressure to the blade while cutting, the weight of the tool will provide adequate pressure for the fastest cutting.
- When completing a cut hold the tool firmly so that it will not fall against the cut item.
- Turn saw OFF and set aside in a safe place where it will not get damaged or knocked over.
- Clean the saw gears, spindles, bearings and housing after each use.
- Always follow the manufacturer's recommendations about service and maintenance and repairs.