

Student Assessment

Machine Safety/Maintenance & Proper Operating Procedures

Machine Tool: Clausing HBS-1018 Horizontal Saw

Each student is required to satisfactorily complete this form for the machines used in the Precision Metals Manufacturing Lab. A student will not be allowed to use a machine unless this procedure is followed. This form becomes a part of the student's record.

- **Safety** – Student is appropriately dressed for the machine shop environment.
 - Safety glasses
 - Safety shoes
 - Clothing
 - Hair
 - Jewelry
- **Equipment Identification** – Student identifies all major components of the horizontal bandsaw:
 - Saw Frame
 - Wheel Covers
 - Blade Tension Handwheel
 - Wheels (Blade)
 - Blade Guides
 - Back-up Bearing
 - Blade Tracking Adjustment
 - Adjustable Blade Guide
 - Master Switch
 - Power On/Off
 - Coolant On/Off – Flow Valve
 - Coolant Tank/Pump
 - Feed Rate Knob
 - Vise handwheel – vise jaws
 - Step Pulley Drive
 - Tension Lock Knob
- **Application** – Student demonstrates correct use of machine as previously instructed. Given all required data in advance, the student will:
 - Select the most appropriate blade
 - Remove and install blades
 - Position blade supports
 - Determine and set speeds/feeds
 - Position the work holding devices to the proper angle
 - Mount work in saw securely – stock support as required
 - Observe all related safety practices
- **Tear-Down** - Student demonstrates proper removal of work-holding devices, tool-holders and cutting tools. All items are properly cleaned and stored.

I have been provided with a copy of the “Safety Manual” and “Operators Manual” specific to the equipment identified above. In addition to the instruction given to me, I have read and understand the safety instructions as well as the operating procedures for this equipment.

Student Name (print)

Student Signature

Date

Instructor Signature – Dean Duplessis

Date