

# ~ FABRICATION ~



WOOD

## OPERATING INSTRUCTIONS



WOOD

INTRODUCING

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# SCROLL SAW



**Meddings Scroll Saw , wood workshop. For use with wood only**

**Access Level 1** (see Wood Workshop induction Guide on Access Levels)

Continuous, wood-cutting band saw used to cut and shape a variety of hard and soft woods and wood-based board to a maximum thickness of 25mm

### PPE Basic

- Suitable workcoat (provided)
- Eye protection – generally marked to BS/EN166 (provided)
- Dust mask (temporary or fixed) rated to FFP1/FFP2 (provided)
- Ear defenders (if adjoining process, including LEV) or ear plugs (provided)
- Stout footwear

### What to do before use

- CHECK machine isolator is in the OFF position
- VISUAL check of the machine for signs of damage to machine or electrical supply system
- IF STUDENT, report any faults to any member of workshop academic/technical staff
- IF STAFF, ensure the CORRECT blade type is fitted for the work to be performed. If you are UNSURE about this, DO NOT use the machine until you have talked to a member of technical staff
- A brief running CHECK of the fitted blade, i.e. under power – watching & listening for reportable faults – is advised before use
- KNOW the location of the START and STOP controls
- KNOW the location of the EMERGENCY STOPS, including the floor-mounted FOOT STOPS
- Fixed GUARDS fitted and in good condition
- AREA AROUND the machine is clean and tidy and free from dust or obstructions?
- ADEQUATE overhead/natural/machine lighting?

- **Safety accessories such as PUSH STICKS are present and NOT damaged too badly. Push Stick minimum safe recommended length is 450mm from hand point to contact with blade teeth**

### **How to Use This Scroll Saw**

- **Refer to any OPERATING INSTRUCTIONS given during training or timetabled workshops (if student or staff)**
- **ENSURE only 1 person is operating, and IN CONTROL of, the Scroll Saw. If a second person is 'assisting' with the take-off of long sections, they MUST NOT pull the work through**
- **SET the machine enclosure guard for the work THICKNESS**
- **ENSURE the top presser-foot is correctly adjusted for the THICKNESS of material, preventing push-up of the material with the saw blade**
- **Switch ON LEV/Extraction System**
- **ENABLE power to machine using isolator key-switch or ON lever switch**
- **Switch ON using START control button, and allow to run up to speed for a few seconds before continuing**
- **Place wood on Scroll Saw table in a STABLE position (i.e. non-rocking) and ensure wood is not touching the running blade at startup**
- **Take a firm grip of the wood; ensuring (gloveless) fingers are NEVER in-line with the operating blade and no closer than 1cm. A small piece of sacrificial material can be used to prevent fingers getting TOO CLOSE**
- **SLOWLY ease wood into blade, checking that the blade is cutting EFFICIENTLY and STEADILY through material before SLOWLY allowing blade to exit wood. This is to ENSURE that your fingers do not suddenly slip forward into blade**
- **STOP machine using normal Red Stop button, NOT the Emergency Stop**
- **CLEAR wood and offcuts from the machine table**
- **Use a hoover or portable extract machine to CLEAR wood dust from table and floor**
- **DO NOT use a sweeping brush and dust pan OR blow wood dust off surfaces (allow LEV to run for a few additional seconds after machining)**
- **Isolate machine (or switch to OFF)**
- **NEVER exchange operators whilst machine is running**
- **ENSURE a complete mechanical stop of machine BEFORE handover and power is isolated**

Date

I verify that I have read and understood the information detailed within this document

Name

Signature