

~ FABRICATION ~



OPERATING INSTRUCTIONS



INTRODUCING

the



BAND SAW



Startrite S-10 band saw, wood workshop. For use with wood only

Access Level 3 (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 & wood-based board

PPE Basic

- Suitable Work coat (provided)
- Safety glasses or Faceshield, rated to BS/EN 166 (provided)
- Ear defenders/earplugs (provided)
- Keep rings, ties and dangling jewellery tucked away (or removed) or safe-keeping during cutting
- Stout footwear
- Keep hair tied back
- DO NOT wear gloves at this machine

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 correct blade type is fitted for the job before use - parallel (along grain) or cross-cut (normal to grain)
- A BRIEF RUNNING CHECK of the fitted blade, i.e. under power - watching & listening for reportable faults - is advised before use
- Fixed GUARDS fitted and in good condition?
- AREA AROUND the band saw is clean and tidy and free from obstructions?
- ADEQUATE overhead/natural/machine lighting?

- Safety accessories such as **PUSH STICKS** are present and not damaged too badly?
- Push sticks minimum **SAFE RECOMMENDED** length is 450mm from hand point to contact with blade teeth

How to Use This Band 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 band saw. If a second person is 'assisting' with the take-off of long sections, they must not pull the work through
- Set blade **GUARD** to **ONLY JUST** clear work – or to clear machine fences that may be fitted (parallel fence, for example)
- Allow enough space between work and guard for good **VISUAL** awareness of markings and cut lines.
- Set cutting fences/guides **BEFORE** starting work
- Switch **ON** LEV/Extraction System
- **ENABLE POWER** to machine using isolator key-switch and/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 bandsaw 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 blade
- **SLOWLY** ease wood into blade, checking that the blade is cutting efficiently and steadily through material before slowly allowing blade to exit wood (to ensure that your fingers do not suddenly slip forward into blade). Use a push stick if fingers are close to the blade in cut direction.
- **STOP** machine using normal Stop button, not the Emergency Stop
- **CLEAR** wood and offcuts from the bandsaw table and place in a suitable waste bin
- Use a Hoover or portable extract machine to **CLEAR WOOD DUST** from table and floor
- **NEVER** use sweep brush/pan or blow wood dust off surfaces - allow **LEV** to run for an additional minute after machining to pick up any residual dust
- Isolate machine or switch to **OFF**

- **NEVER** exchange operator whilst machine is running. Ensure complete mechanical stop of machine before handover and that the power is isolated.



Date

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

Name

Signature