

~ FABRICATION ~

OPERATING INSTRUCTIONS



WOOD



WOOD

INTRODUCING

the



UNDERPINNER



Underpinning Staple Machine, Wood use ONLY

Access Level 1 – (see Wood Workshop Induction Guide on Access Levels)

This machine is used to pin the corners of a frame together at 90° using a metal bracing pin

PPE Basic

- Suitable work coat (provided)
- Eye protection – generally marked to BS/EN166 (provided)
- Stout footwear

What to do before use

- You **MUST** have had a demonstration of the machine **BEFORE** first use.
- **VISUAL** check of the machine for signs of damage to machine
- **IF STUDENT**, report any faults to any member of workshop academic/technical staff
- **IF STAFF**, log in the Fault Reporting Log Book by machine – then email technical team to report if machine requires maintenance or servicing and whether it needs to be taken out of operation and for how long
- **AREA AROUND** the machine clean and free from obstructions?
- **ADEQUATE** overhead/natural/machine lighting?

How to Use This Underpinning Machine

- 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 Underpinner
- If a second person is ‘assisting’ with long sections, they **MUST NOT** pull at the work

- **ENSURE** you are wearing the correct PPE; usually Work coat, Goggles or Face shield, Dust Mask and (if adjoining processes in operation, Ear Defenders or Plugs), Sturdy boots also recommended in a workshop environment
- **Plug** the machine into the compressed air supply by holding the hose **FIRMLY** and **PULLING BACK** the collet to help it connect to the supply
- **For BEST** results, use natural timber **ONLY**
- **Use a TEST PIECE** of moulding to position the staple
- **Place** your two mitred sections **CAREFULLY** into the angled backstay
- **Take a PACKER** from underneath the machine to **REDUCE** compression of the clamp
- **CAREFULLY** lower the top clamp until you have a **FINGER TIP SPACE** left between your work and the brace.
- **Use** the foot pedal to initialise the machine pinning action
- **Keep** your foot **ON** the pedal for 5-10sec and then release
- **REPEAT** the process for all **FOUR** corners of the frame
- **UNPLUG** the machine from the air line, using both hands and **NOT** pulling away the air line from the air supply
- **STUDENTS DO NOT** place staples back into this machine; **ONLY** a trained member of staff may do this

Date

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

Name

Signature