

# ~ FABRICATION ~



## OPERATING INSTRUCTIONS



INTRODUCING

*the*



# PANEL SAW



Vertical Panel Saw, wood workshop. For use with wood only

Access Level 3 (see Wood Workshop induction Guide on Access Levels)

Cutting down sheet material to size, MDF, OSB, Chipboard, Plywood and **SOME** Plastics

### PPE Basic

- Suitable work coat (provided)
- Eye protection – generally marked to BS/EN166 (provided)
- Filter Mask for glue-bonded woods – MDF, OSB, Chipboard, Plywood (provided)
- Ear defenders (if adjoining process, including LEV) or 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
- IF STUDENT, report any faults to any member of workshop academic technical team
- IF STAFF, log in the fault via the Fault Reporting Log Book – then email technical team to report if machine requires maintenance or servicing and whether it will be out of operation and for how long
- If the blade has been CHANGED or CHANGES made to the saw unit, it is RECOMMENDED that a short RUN CHECK is performed, to ensure the blade is operating NORMALLY and SAFELY, and that nothing looks or sounds amiss
- KNOW the location of START and STOP switches
- KNOW the location of EMERGENCY STOPS, including FOOT STOPS
- ENSURE the area around the machine is CLEAR and TIDY and FREE FROM OBSTRUCTIONS
- Check GUARDS are in good condition

- **ENSURE** safe and correct **MANUAL HANDLING** of large or heavy sheet panel materials – **ASK FOR HELP**, if required to handle the sheet onto the machine
- **ENSURE** sheet panel materials are **RESTING FLAT** and **ARE SECURE** on the panel's **LOWER ROLLERS**
- **ADJUST** the measuring stop to your required cutting size
- Turn on the **LEV/Extraction Unit**

#### **How to Use for Vertical Cuts (cross-cutting)**

- **Make sure SOMEONE** else knows that you are using the Saw, in case of an emergency
- The **LEV/Extraction** should **ALREADY** be functioning
- **ENSURE** saw blade is aligned vertically with the dimension-setting Pin
- **(Cross-Cutting ONLY)**
- Turn the wall-mounted isolator box to **ON**
- Switch **ON** the power to the saw motor
- **ALWAYS ALLOW** the saw to reach the maximum revolutions **BEFORE** plunging the blade through material. This prevents the saw from suddenly **STALLING** causing damage to the blade **AND** the motor
- **KEEP HANDS AWAY FROM** the saw **AT ALL TIMES**
- Sawing operations must be done **SLOWLY** and **STEADILY**; **AVOID** stopping mid-way through the material
- **NEVER** remove off-cuts or waste materials while the saw is **RUNNING**
- If the blade **BINDS** in the work piece, or the work piece **SHIFTS** during the cut, **STOP THE MOTOR** and **RETURN** the carriage to the top of the guides. **ONLY** when the problem is fixed, **RESTART** motor and begin the cut again
- Panel saws are designed to **HANDLE** and **CUT LARGE** panels down to size. For **SMALLER** panels or **OFF-CUTS**, use a more **APPROPRIATE** machine, if available
- **NEVER** leave the Vertical Panel Saw **RUNNING** unattended. **SWITCH OFF** and make sure the blade comes to a **COMPLETE STOP** before leaving
- Once you have completed your work, switch **OFF** the machine and at the wall box and **CLEAR** and **TIDY** the area around the machine, using appropriate waste bins for off-cuts – **NOT GENERAL WASTE**

#### **How to Use for Horizontal Cuts (rip-cutting)**

- **Make sure SOMEONE** else knows that you are using the Saw, in case of an emergency
- The **LEV/Extraction** should **ALREADY** be functioning

- **ENSURE** there is **ENOUGH SPACE** in front and behind of saw to **SAFELY** load, pass and offload the work piece
- **ROTATE** the cutting head **90° FROM VERTICAL** for a horizontal cut, making sure the saw **IS NOT** running while adjusting the head
- **Select** cutting height of saw blade **ABOVE** the **LOWER ROLLERS**
- **MOVE** the carriage until the index tab is **ALIGNED** with the correct dimension on the vertical ruler
- **LOCK** the carriage securely to the guides with the locking knob
- Turn the wall-mounted isolator box to **ON**
- Switch **ON** the power to the saw motor
- **ALWAYS ALLOW** the saw to reach the maximum revolutions **BEFORE** plunging the blade through material. This prevents the saw from suddenly **STALLING** causing damage to the blade **AND** the motor
- **KEEP HANDS AWAY FROM** the saw **AT ALL TIMES**
- Sawing operations must be done **SLOWLY** and **STEADILY**; **AVOID** stopping mid-way through the material
- **NEVER** remove off-cuts or waste materials while the saw is **RUNNING**
- If the blade **BINDS** in the work piece, or the work piece **SHIFTS** during the cut, **STOP THE MOTOR** and **RETURN** the carriage to the top of the guides. **ONLY** when the problem is fixed, **RESTART** motor and begin the cut again
- As you cut through the sheet, the piece **ABOVE** the saw blade **MAY** drop down onto the running blade or the **KERF PROTECTOR** or falling **OFF** the machine and onto the **OPERATOR** (you!). You should use some form of support – **OTHER THAN HANDS** - to prevent this from happening. Cramps or locks, if available, may help
- **NEVER** leave the Vertical Panel Saw **RUNNING** unattended. **SWITCH OFF** and make sure the blade comes to a **COMPLETE STOP** before leaving
- **ROTATE** cutting head back to **VERTICAL** position and return it to the **TOP** of the guides. **LOCK** the carriage against movement
- Once you have completed your work, switch **OFF** the machine and at the wall box and **CLEAR** and **TIDY** the area around the machine, using appropriate waste bins for off-cuts – **NOT GENERAL WASTE**

Date

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

Name

Signature