

# THICKNESS PLANER

## USES

A thickness planer is frequently referred to as a 'thicknesser'. A thickness planer is used to plane timber to a uniform thickness or width. Two adjacent surfaces are straightened and squared on a **SURFACE PLANER** before using the **THICKNESS PLANER** to bring the timber to size. The thickened faces are parallel to the planed **FACE** and **EDGE**.

Material passes under the cylindrical cutter heads with multiple knives or cutters. The operator adjusts the depth of cut and then feeds the material into the infeed side of the machine. The surfaced board is retrieved from the outfeed side of the machine.

## HAZARDS ASSOCIATED WITH THIS MACHINE

 **CUTS OR AMPUTATIONS**

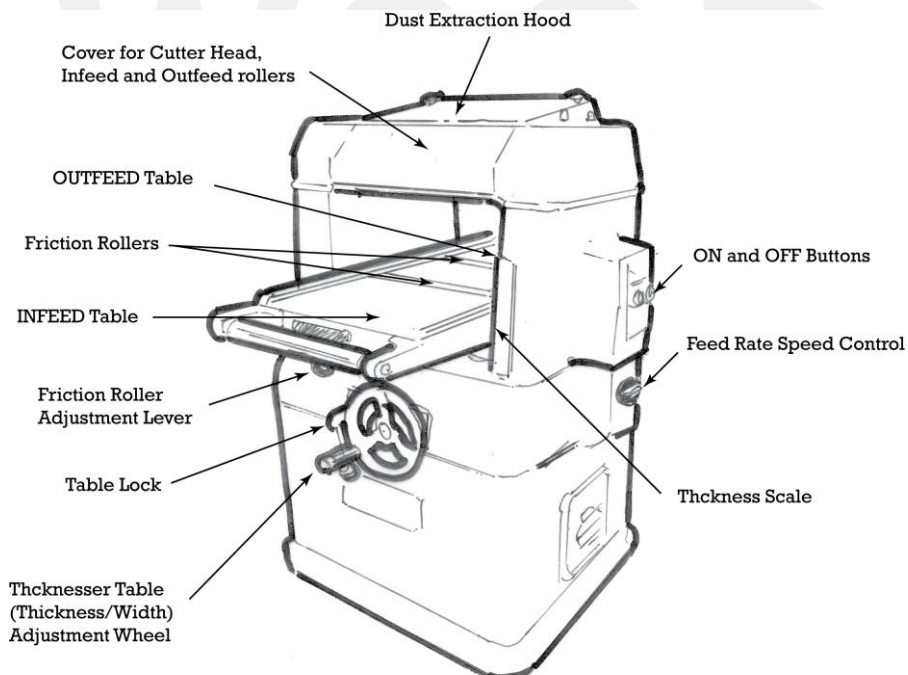
 **KICKBACKS & FLYING CHIPS**

 **LOOSE AND TORN CLOTHING**

 **DUST PARTICLES**



## IDENTIFY THE PARTS FOR THIS MACHINE



## PERSONEL SAFETY

- Sturdy footwear, eye and hearing protection **MUST** be worn when operating this machine.
- Loose clothing **MUST** be secured and long hair **MUST** be tied back.
- Gloves, rings and jewellery **MUST NOT** be worn when operating this machine.
- It is recommended that a dust mask should be worn.

## WORK AREA CHECK

- Remove all scraps of timber from the surrounding floor before using this machine.

## MACHINE PRE-OPERATION CHECK

- Always isolate the main power to the machine by turning the isolation switch to **OFF** before carrying out any adjustments.
- Make sure the machine tables are clean and free from chips, gum and residue build up. If any part looks clogged seek advice from instructor. (**DO NOT** use hands, but a brush to clean the table).
- Ensure you are familiar with the controls of the machine; know where the **STOP** button is located.
- Check the timber for knots, splits, metal particles and any other imperfections before machining it.
- Ensure the dust extraction system is operating before using the machine.

## OPERATING PROCEDURE

- **Turning ON the machine.**
  - Press the **ON** button.
  - Let the machine get up to working speed before starting a cut.
- **Turning OFF the machine.**
  - Press **STOP** button.
  - Ensure that the machine has fully stopped before moving away from the machine.

## OPERATING GUIDELINES

- Always **STOP** and **ISOLATE** the machine at the wall before making any adjustments.
- **DO NOT** simultaneously feed material of varying thickness through a machine fitted with a solid infeed roller. (NOTE: The machine at Splinter has a solid infeed roller.)
- **NEVER** look through the machine opening when the cutter block is revolving.
- Stand to the side of the material being fed through the machine in case of kick back.
- **DO NOT** attempt to make a cut of more than 2mm.
- **DO NOT** feed material with too great a variation in thickness through the machine as kickback may occur.
- **DO NOT** remove broken pieces, knots or chips from the table while the cutter block is revolving.
- **ALWAYS** machine solid timber with the grain.
- **NEVER** run solid timber through the machine across the grain.
- To free a jammed work piece push it sideways.
- Never put your entire weight onto a jammed work piece, particularly if it is thin.
- When planning thin timber, support it by feeding it onto a jig (false table) placed into the machine.
- **NEVER** lower the table when a piece of timber will not feed through as kickback may occur – isolate the machine, wait for the cutter block to stop revolving, and then lower the machine and free the timber.

## HOUSEKEEPING

- Always leave the machine in a safe, clean and tidy state.