

Planer-Thicknesser

***Note: This is a multipurpose tool. Please ensure you have read and are familiar with ALL of its functions before you use it, even if you only require ONE of its functions.**

Thicknesser

METHOD OF OPERATION

*Material is passed along a rotating drum with a cutting head to make the top side of material flat and parallel with bottom side, and for trimming the thickness to the desired size.

MACHINE HAZARDS

- *Cuts, lacerations or amputation by cutting head
 - Controls: finger placement, body positioning, weight distribution, size of point of operation opening
- *Nip points and pinch points from rollers
 - Controls: finger placement, body positioning, weight distribution, size of point of operation opening
- *Flying debris
 - Controls: safety glasses

PPE/Safety Measures

*Safety Glasses	*All Jewellery removed
*Hearing Protection	*No loose fitting clothing
*Closed Toed Shoes	*Long Hair tied back and away from face
	*NO gloves
	Long sleeves removed or rolled up past elbows

Guards and Devices

- * Point of operation opening

The point of operation opening, once material is fed, should be as small as possible to prevent fingers from contacting the cutting edge. Only adjust the size of the opening to be just large enough for your workpiece to fit.

Operational Notes

- * Do not allow fingers to enter the opening of the point of operation.
- *Height adjustments
 - When using the thicknesser, DO NOT EXCEED adjustments of 5/64 of an inch
- *Check for and remove nails, staples, or other metal from material to be cut BEFORE material is run through.
- *Planer functions

-This tool also functions as a planer. Before you use the thicknesser, YOU MUST review the protocols for its use as a planer.

-Please review the procedure to convert from Planer to Thicknesser

Sequence of Operation

1. Ensure no slip/trip hazards are present in workspaces and walkways.
2. Locate and ensure you are familiar with the operation of the ON/OFF switch and E-Stop (if equipped).
3. Ensure that the machine is OFF.
TO CONVERT FROM PLANER TO THICKNESSER
4. Push the Planer fence right to the front.
5. Loosen and pull out the clamping levers
6. LIFT the planer table until the fall lock engages to secure it at 0 degrees
7. REMOVE the vacuum hose from the vacuum hood.
8. FLIP up the vacuum hood until it clicks into place.
9. REENGAGE the extraction hose
ONCE THICKNESSER HAS BEEN SET UP
10. Use the flywheel to ADJUST the height of the work table to the thickness of your piece.
11. ADJUST increments in no more than 5/64 of an inch at a time
12. Check material to be thicknessed for defects, splits, dead knots, or nails.
13. Ensure in-feed table is clear of debris and free from residue.
14. Ensure all locks are securely tightened before operating the machine.
15. Start the dust extraction unit before using the machine.
16. Feed wood into the machine with the grain.
17. Feed only one piece of wood at a time.
18. Stand to one side of material being fed through machine in case of kickback.

Never

- *Never place your hand into the infeed while the machine is running
- *Never leave the machine running unattended.
- *Never send wood less than 12 inch in length to be thicknessed on this machine.
- *Never look through machine feed opening when cutter is revolving.
- *Never send reclaimed, wet, or painted lumber, plywood, or lumber of unknown origin, through the machine
- *Never send irregular or non-dimensional stock through the thicknesser
- *Never make adjustments, or clear the infeed or outfeed tables, until the machine has been turned off, come to a complete standstill, and has been unplugged
- *Never use faulty equipment. Immediately report suspect equipment.

Maintenance Notes/Service by Operator

- *Clean with a shop vac as needed.

Planer-Thicknesser

***Note: This is a multipurpose tool. Please ensure you have read and are familiar with ALL of its functions before you use it, even if you only require ONE of its functions.**

Planer

METHOD OF OPERATION

Lumber is fed along the grain, using push blocks, through a bottom mounted cutterhead to machine a level surface along the underside of the workpiece.

MACHINE HAZARDS

- *Eye injuries
- *Hand and Digit injuries
- *Flying chips and debris

PPE/Safety Measures

*Safety Glasses	*All Jewellery removed
*Hearing Protection	*No loose fitting clothing
*Closed Toed Shoes	*Long Hair tied back and away from face
	*NO gloves
	*Long sleeves removed or rolled up past elbow

Guards and Devices

*Bridge Guard

- Use set screw to fix guard rail approx. 1/16" over workpiece
- Place workpiece against the planer fence and push it slightly under the guard rail (NOT over the cutter block)
- Loosen the clamping screw
- Move the guard rail right up to the planer fence
- Tighten the clamping screw

Operational Notes

*Thicknesser functions

-This tool also functions as a thicknesser. Before you use the planer, YOU MUST review the protocols for its use as a thicknesser.

-Please review the procedure to convert from Thicknesser to Planer

*Fence adjustments

-The planer fence should be adjusted to the angle which you are trying to machine along the underside of your piece

*Guard adjustments

-If your piece is less than 3 inches thick, and you are planing, the bridge guard should be positioned ABOVE your piece

-If your piece is OVER 3 inches thick, or if you are JOINTING, place your piece against the fence, and push it to the front edge of the planer table (NOT over the cutter block)

-Bring guard rail right up to work piece, and tighten the clamping screw.

-Use the set screw to lower the guard rail to the planer table.

*Check for and remove nails, staples, or other metal from material to be cut.

*Do not try to remove more than 1/16" at a time

*If your board is cupped, turn cupped side down

Sequence of Operation

1. Ensure no slip/trip hazards are present in workspaces and walkways.

2. Locate and ensure you are familiar with the operation of the ON/OFF switch and E-Stop (if equipped).

****TO CONVERT FROM THICKNESSER TO PLANER****

3. Ensure that the machine is OFF.

4. Loosen the clamping lever

5. Use the flywheel to position the thicknessing table at least 200 mm below the cutterblock.

6. Clamp the clamping lever

7. REMOVE the vacuum hose from the vacuum hood

8. FLIP the vacuum hose back

9. Grasp the planer table securely, release the fall lock, and tilt it towards you.

10. Press the clamping lever inwards and lock in place.

11. Reattach the vacuum hose.

****ONCE PLANER HAS BEEN SET UP****

12. Check material to be planed for defects, splits, dead knots, or nails.
13. Ensure all guards and shrouds have been properly adjusted and secured
14. Ensure all locks are securely tightened before operating the machine.
15. Use appropriate push blocks to feed piece through machine
15. Start the dust extraction unit before using the machine.
16. With your left hand (balled into a fist and the thumbs placed onto the workpiece) press the work piece against the combination fence and the receiver side of the planer table. With your right hand (balled into a fist and thumbs placed onto the workpiece) push the workpiece smoothly over the cutterblock.
17. Let your hands glide one after another over the bridge guard
18. As soon as it is possible, use both hands to continuously push the workpiece on the receiver side of the planer table.

Never

- *Never place your hand in proximity to the cutterblock.
- *Never place your thumbs at the end of the piece to push it through
- *Never plane a piece shorter than 10 inches
- *Never plane a piece less than ¼ “ thick
- *Never leave the machine running unattended.
- *Never send reclaimed lumber, lumber of unknown origin, or painted lumber through the machine
- *Never send irregular or non-dimensional stock through the planer
- *Never make adjustments to the tool while the machine is running.
- *Never use faulty equipment. Immediately report suspect equipment.

Maintenance Notes/Service by Operator

Contact Shop manager/Qualified person

- *Assistance as needed to convert to Planer
- *Any additional help or guidance.