

A Thickness Planer is used for "Squaring" a piece of solid wood by cutting a uniform thickness of the length the workpiece.. Workpieces are typically milled by Jointer/Planers (Surface & edge) prior to using the Thickness Planer. The Thickness Planer is never used with plywood, laminated products or workpieces that have a finish (varnish) or paint applied.

	Bullet Points	Explain & Demonstrate
COMPONENTS Naming components now will ensure greater understanding of subsequent instructions.	SAFETY SWITCH [Fuse box]	UP = Power On DOWN = Power OFF
	CONTROL PANEL	Row 1. Table Height: = ↓ Lower Bed. Table Height: = ↑ Raise Bed. Row 2. Emergency STOP button. Protruding - Twist to release. Row 3. Cutterhead Motor: On = I. OFF = O. Row 4. Feed Motor: On = I. OFF = O. Row 5. Red light = Power On button
	MICRO ADJUSTING TABLE HEIGHT WHEEL Manual Hand Crank	Crank Wheel - top right. Note " DANGER, DANGER, DANGER " warning. FINE adjustments for the 'Initial Height'. Base on Measuring Thickest point. Micro adjustment wheel on top of Thickness Planer. 7 turns = 1/16-inch. RAISE table: UP = (CW). CLOCKWISE Lower table DOWN = (CCW). Counter-Clockwise SEVEN [7] turns Clockwise (CW) = 1/16-inch. {0.125} Make multiple cuts.
	CUTTER HEADS [BLADES]	Carbon tipped blades. Table raises UP - toward cutter heads.
	FEED RATE	Set by Maintenance. Do not change.
	TABLE	Use the keypad to make height adjustment. Emergency Stop plate. Use thigh to stop motor & rollers.
	DUST PORT	Gate MUST BE OPEN when operating.

SAFETY		<p>Inspect workpiece for foreign objects. Surface one side initially. Flip board periodically. Stand to side when feeding workpiece. ASK-FOR-HELP with long or heavy workpieces.</p>
	Plan. Prepare. Measure. Mark.	<p>Zero calipers - set to inches. [millimeters]. Measure workpiece - determine maximum FEED height of all workpieces.</p>
TEACHING STEPS	Participants	<p>Inspect workpiece for foreign objects Measure workpiece in multiple places. Use maximum measurement to set table height - plus 1/8-inch. Cutters OFF. Pass workpiece through. No resistance. If workpiece jams. Lower table [Crank Wheel] Counterclockwise (CCW) - free workpiece. Power On cutters. Insert workpiece. Raise table using Wheel - 7 turns per pass. Repeat. Turn workpiece over, repeat process until thickness achieved..</p>
	REVIEW LESSON HIGHLIGHTS	<p>Control Panel - GERTRUDE - Tap button versus pressing. AMP Meter. Reason to watch. If in RED Zone - Cutter heads auto shut off. DANGER. HAZARDS. Measure to find thickest part of workpiece(s). Make multiple cuts. Workpieces. Lengths not Widths. Thin strips. Use Sleds & Double Sided Tape. (Tool Room) Glue. Scrape off excessive glue. Wait 12-hours for glue to completely dry.</p>