

This **JOINTER / PLANER** is used to straighten (flatten/smooth) an **EDGE** on solid wood. In the process of squaring a workpiece, the **EDGE** jointer is used to achieve **(1)** a flat **EDGE** **(2)** a straight **EDGE** and **(3)** a square **corner**.

An **EDGE** Jointer / Planer is typically used after the SURFACE Jointer/Planner.

The **EDGE** Jointer is not used for **BEVELS**. The router and table saw are better / safer make bevels.

	Bullet point	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	GREEN button = Power On. RED button = Power OFF. Button protrudes. Twist CW to release. Power On light - white.
	CUTTER HEADS [Blades]	NEVER apply pressure on the cutting heads.
	CUTTER HEAD GUARD	NEVER override the Guard. Do not place workpiece on top of Guard. Protects user from the spinning cutter heads. Workpiece will move [push] the guard off the cutter head as it moves toward the Outfeed table. The Guard is spring loaded.
	TABLE	Not Adjustable Infeed table. Default = 1/16-inch. Maintenance adjusts Outfeed table height. Apply even pressure between the FENCE and the Infeed / Outfeed tables.
	FENCE	Square the Fence to the Table. Adjustable tilt. Forward & back. Lock Handle. Adjustable over the table Back to Front.
	DUST PORT	Gate must be open when operating.
SAFETY	Test Guard with Power OFF . Guard should spring back to Fence. Inspect workpiece. Wand when necessary. Do not use if workpiece has large or loose knots, nails or other hard objects. Stance. Control the cut all the way through to end. Pushsticks required when workpiece is less than 3-inches. (lower than the Fence) Keep fingers away from cutters. Reach " UP & OVER ". Ask-For-Help on long or heavy workpieces Do Not back out of a cut. Push through.	

	Accessories	Push Stick Magnetic Feather Board.
TEACHING STEPS	Teaching Steps	Open Blade Guard explain cutter heads. Jointer / Planner. Explain which EDGE presents the best opportunity for a smooth EDGE. Grain pattern. Direction to feed the workpiece. Fence adjustment about 1/2-inch more [wider] than workpiece. Depth of cut adjustment. Return to 1/16-inch. Make Incremental passes. Apply even pressure between the Fence & Table - Infeed & Outfeed. Push sticks, feather boards. [Workpiece below Fence.] Stance, steadily walking the workpiece through the cutter heads & blade guard. Outfeed table does not adjust. [Maintenance].
	<i>Plan. Prepare. Measure. Mark.</i>	Prepare cuts before turning Power On. Keep thumbs & fingers away from blade..
	Participants	Inspect workpiece for foreign objects - loose knots, nails, hard objects. Test cutter guard. Power On. Power OFF. Twist CW to release. Hold workpiece flat on Table and firmly against Fence. STANCE - very important. Follow workpiece through the cut. Do not back out.
	REVIEW LESSON HIGHLIGHTS	Square Fence to Table. Inspect workpiece. Grain direction, foreign objects. <u>Glue is the enemy on this equipment. Gums up blade, fence, table.</u> Review Smart Chart. Adjust Fence width ~ 1/2-inch more than width of workpiece. Fingers away from cutters. Push workpiece "Up & Over" cutters. Stance. Comfortable - controlled cut all the way through workpiece. ASK-FOR-HELP with long or heavy workpieces.