

Primarily for drilling holes into material or workpieces using Fostner bits; Brad Point bits, Twist drills. This floor model Drill Press has a motor driven head that uses a Chuck to accept Bits. This also has an adjustable Table (UP / Down / Angles) on which the workpiece is mounted. This is operated by pulling a rotary lever (Arm) to lower the Drill bit (depth stop) into the workpiece.

	Bullet Points	Explain & Demonstrate
<b>COMPONENTS</b> Naming components now will ensure greater understanding of subsequent instructions.	<b>SAFETY SWITCH</b> [Fuse box ]	<b>UP = Power On.</b> <b>DOWN = Power OFF.</b>
	<b>POWER CONTROL PANEL</b>	<b>RED paddle = Power OFF.</b> <b>GREEN button = Power On.</b> Green light = drill operating. "Work & Laser Light".
	<b>BITS</b>	Insert bit in the center of chuck jaw about 1/4-inch below the top of the chuck. Insert chuck key into each of the three holes, tighten each ( <b>CW</b> ). Loosen jaws. Counter Clockwise ( CCW ).
	<b>Jacob's Chuck &amp; KEY</b>	Accepts bits with a 5/8-inch or smaller shank. Key = spring loaded pin. Prtevent key from being left in chuck. Tighten jaws. Clockwise ( <b>CW</b> ). Loosen jaws. Counter-clock-wise (CCW ).
	<b>SPINDLE SPEED SETTINGS</b>	<b>Safety Switch OFF.</b> Open belt cover. Step stool. Loosen tensioner Lock Knob. Pull tensioner away from belt. Consult the " <b>Speed</b> " chart - inside top cover & wall. Position belts accordingly. Not at an angle. Seat belts properly in the grooves & guides of each pulley, not at angle.. Push tensioner Lock Knob toward belts. Tighten securely. Tighten Lock Knob at center of arm. Lock Securely.
	<b>ARM</b> [Handles]	Moves drill <b>UP</b> & Down. When finished with task, unlock Arm lock knob. Default = unlocked.
	<b>BIT DEPTH STOP</b> [ Ring marked " <b>K</b> " ]	Set Depth of Cut. Loosen Lock Knob @ center of Arm. Use in conjunction with 1). Arms. 2). Arm Lock Knob. 3). RING - marked " <b>K</b> ".. Pull drill down to desired stop. Twist Ring - Counter Clockwise - toward ser - until the Ring " <b>K</b> " sets. No movement. Lock Arm Lock Knob. Used for repetative drilling of holes of identical depth.
	<b>TABLE</b>	Table crank at rear - raises & lowers table. Lock Handle. <b>Adjustable.</b> Tilts <b>LEFT</b> to <b>Right</b> . Use proper tool. Raise & Lower Table. Crank at rear. Lock Handle. Platform with " T " miter guides. Clamps.
	<b>FENCE</b>	<b>Adjustable.</b> Forward & back & angles - <b>LEFT</b> & <b>Right</b> . May be removed.
<b>DUST COLLECTION</b>	Not connected to the Dust Collection System. Use Shop Floor Vacuum (Hose) to clean Drill Press & floor area.	

	<p><b>DRILL PRESS ACCESSORIES</b></p>	<p>Miter Guage. Fits in " T " miter guides. Clamps. On wall shelves. " V " Block vice for round workpieces. Various Jigs on wall.</p>
<p><b>SAFETY</b></p>		<p>Maintain a three foot safe working periminter. Hands &amp; fingers at least 3-inches from rotating Drill Bit. Undivided attention to the task. Make all adjustments with the Power OFF. Use clamps or vice. Never hand-hold material while drilling. If drill bit binds, turn Power OFF.</p>
<p>Teaching Steps</p>	<p><b>Teaching Steps</b></p>	<p>Set Speed. Install Drill Bit. Use three holes in chuck. Set Depth Stop &amp; depth of cut = Method #2. Chart on wall.. Set Fence. Lock Knobs - Do Not overtighten. Please. Remove center plate. Use sacrificial board. Position workpiece positioning. Clamps. Proper drill technique, clean out chips periodically, slow steady pressure. Tilt / raise / lower the table. Lock Handle.</p>
	<p><b>Plan. Prepare. Measure. Mark.</b></p>	<p>Mark or set drill holes on workpiece - prior to drilling hole.</p>
	<p><b>Participants</b> (Hands ON)</p>	<p>Review Radius Chart, Smart Chart. Secure the area. Use the "V" jig to safely cut dowels. Set up the fence to the workpiece. Lock Knobs. Ensure all are tightened.</p>
	<p><b>REVIEW LESSON HIGHLIGHTS</b></p>	<p><b>Safety switch OFF</b> when changing speeds. Ensure belts are set to correct speed &amp; within grooves. Use 'sacrificial' board for 'drilling through' tasks. Center bit by tightening all three chuck holes. Secure workpiece. Drill smoothly &amp; slowly &amp; clear built up debris. Secure Arm Lock Knob and loosen when finished. Frequently raise drill bit to cool &amp; remove chips.</p>