

POWERMATIC PF3-JR 3-Roll Powered Stock Feeder

The POWERMATIC PF3-JR is a rugged, heavy-duty stock feeder that has been designed to provide positive, consistent feeding with all types of materials. A fully adjustable support column equipped with multiple universal joints, each with tool-free locking mechanisms makes it easy to use this feeder in horizontal, vertical, or angle feed configurations. The liberal use of precision machined cast iron and steel makes the POWERMATIC PF3-JR Stock Feeder smooth running and dependable over the long run.



Motor and Drive

The POWERMATIC PF3-JR Stock Feeder is equipped with a heavy-duty ¼ HP, 115 V (only), 1 Ph motor. This motor is rated using a continuous duty cycle, rather than a “peak” or “max developed” figure. The hefty cast iron motor case with its integral cooling fins keeps operating temperatures low through extended periods of use.

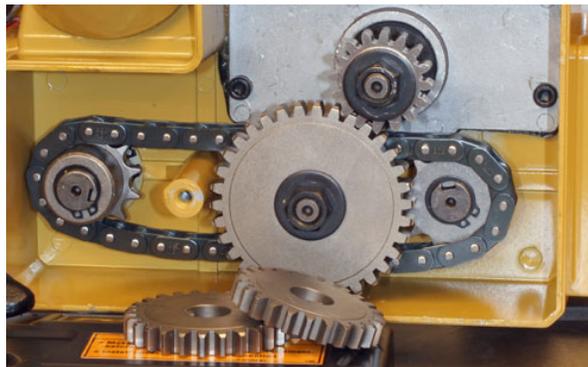
The Powermatic PF3-JR Stock Feeder is tough, reliable and built to last.

The motor is controlled with an industrial style rotating switch. The switch has three positions: Off, Forward and Reverse. The motor and switch come pre-wired with a 9-ft-long cord fitted with a three-prong grounding plug.

A sealed, oil-filled gearbox transmits the motor power to the wheel drive. This oil bath gearbox



The powerful motor (left) has a tough cast iron case with integral cooling fins. The easy to change gear sets (right) included with the feeder provide four feed rates to fit any job.



keeps the gears running cool and well lubricated. A screw-on cap makes checking or refilling the oil simple.

Power from the gearbox is delivered to the drive wheels with a roller chain and

sprocket arrangement that insures positive feeding of the work material. A set of gears is pre-installed in the drive section and a second pair of gears is included with the POWERMATIC PF3-JR Stock Feeder. Those four gears can be arranged to produce four feed rate speeds of 13, 26, 33, 62 FPM. (feet per minute) A diagram in the instruction manual shows the gear placements to produce the desired speed. A finger-operated knob on the drive section cover provides quick access.

Roller Wheels

The non-marring rubber used on the drive wheels has been formulated to provide excellent gripping characteristics, wear resistance and resilience for years of service. The roller wheels are 3-1/8"-diameter and 1-3/16"-wide. The roller wheels are designed to be changed easily and quickly.

To help contain costs the wheels can be changed individually if needed rather than in full sets. For specialty operations such as curved workpieces, the center wheel can be removed to



The roller wheels have specially formulated rubber tires (left) that grip well without marring the wood. Each wheel can be easily replaced individually. Each also has its own grease fitting (right) to keep maintenance simple.

provide more room between wheels. Each wheel has a grease fitting at its center to keep the POWERMATIC PF3-JR Stock Feeder running smoothly.

Each roller wheel is independently suspended to insure full contact even when the work piece is not exactly flat. Each wheel has approximately 12mm of vertical suspension travel. This range of motion allows using 1/8" to 3/16" of preload to keep the work piece firmly on the table or fence during the operation.

Support Column



The column universal joints and cranks (left) make positioning the feeder very easy. The universal joints (right) make it easy to get the perfect feeder alignment or angle for the job easy.

The joints are also made from heavy iron castings and equipped with tool free locking levers that make securing the POWERMATIC PF3-JR Stock Feeder in whatever position needed fast and easy.

The steel and cast iron support column is both rigid and rugged. The steel columns are 1-5/8"-diameter and are precision-ground from solid steel bar stock. The column comes with a heavy cast iron base and an easy to use bolt

The column assembly gives the POWERMATIC PF3-JR Stock Feeder 6-1/2" of vertical movement and nearly 10" of horizontal movement. That also provides a maximum distance from the rollers (rollers parallel to surface) to the table surface of 6".

The column can be swung 360-degrees giving the POWERMATIC PF3-JR Stock Feeder maximum versatility on router tables, shapers and table saws.

This also makes it easy to swing the

POWERMATIC PF3-JR Stock Feeder out of the way when not in use. The roller wheels can also be positioned on the horizontal plane (to the table surface) for operations such as feeding stock on edge along a shaper fence for face cuts.



The articulated arms and universal joints allow using the Powermatic PF3-JR feeder to move stock flat on the table (left) or on edge at the shaper (right) for molding or face cuts.

The POWERMATIC PF3-JR Stock Feeder is a heavy-duty accessory that will make your jointer, router table, shaper or table saw more productive and safer. Its robust construction means it will keep working for a very long time with minimal downtime.