

POWERMATIC PM201HH, 22" Planer

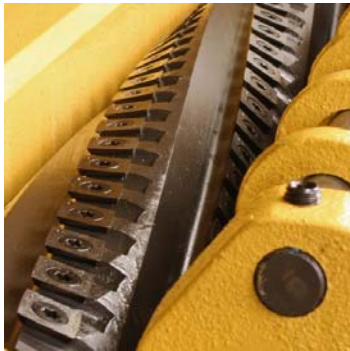
The POWERMATIC PM201HH, 22" Planer is a rock solid, 1300-LB cast iron and steel planer designed to be accurate, productive and cost effective in the small to medium shop environment for many years to come. User friendly features like simple controls, a quick access hinged top and 5"-diameter, top-mounted dust port make the POWERMATIC PM201HH, 22" Planer easy to operate and maintain. The high tech helical cutterhead is designed to produce silky-smooth surfaces on the wood without constant sharpening or cutter replacement.



The Powermatic PM201HH Planer is built to be tough, accurate and easy to maintain in the shop environment.

The POWERMATIC PM201HH, 22" Planer is available in three versions. The #1791267 201HH, 22" Planer comes with a 7.5HP 1PH 230V motor. The #1791268 201HH, 22" Planer also has a 7.5HP motor but runs on 3PH 230V power. The #1791269 201HH, 22" Planer, has a 7.5HP motor that runs on 3PH 460V for most industrial applications.

Helical Cutterhead



The sophisticated helical head creates ultra-smooth surface with far less cutter replacement or maintenance than with conventional knife systems.

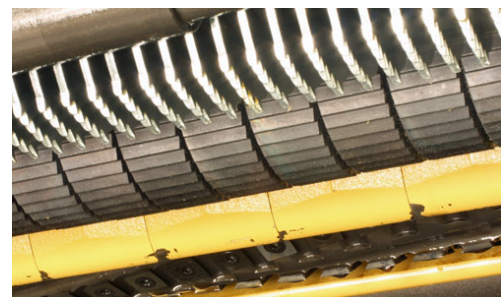
The POWERMATIC PM201HH, 22" Planer features the innovative, 3-1/4"-diameter helical cutterhead equipped with 150, four-sided carbide inserts. These high-quality inserts are designed for use with the 4800-RPM cutterhead speed to produce a superior finish while dramatically reducing sound levels as compared to conventional knife type cutterheads. Because each insert has four identical cutting edges, their useable life is greatly extended.

This four sided insert design also means maintenance is fast and easy. Each insert is installed on a precision-machined seat that eliminates complicated setup, shimming or alignment procedures. That drastically reduces costly downtime. Plus, if a piece of metal is accidentally passed through the POWERMATIC PM201HH, 22" Planer, only the inserts directly in line with the metal might have to be indexed or replaced. This dramatically reduces replacement parts costs as well as related downtime.

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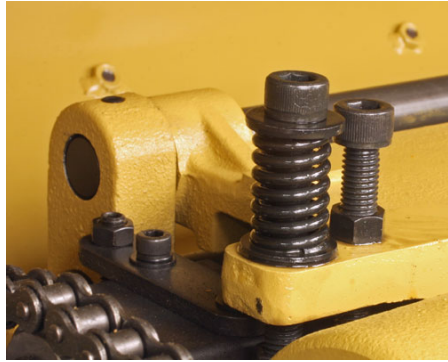
Smart Feed System

Anti-kickback fingers along the front edge of the infeed side help prevent stock from being kicked



The segmented feed rollers make working with various thickness pieces safe and consistent. The result is higher production without sacrificing quality.

out should something go wrong under the cutterhead. A pressure bar located close to the cutterhead increases the stability of the wood to help the POWERMATIC



PM201HH, 22" Planer produce an exceptional finish. Infeed and outfeed rollers, cutterhead and many other rotating parts turn in high quality roller bearings that extend their lifespan, increase accuracy and reduce maintenance.

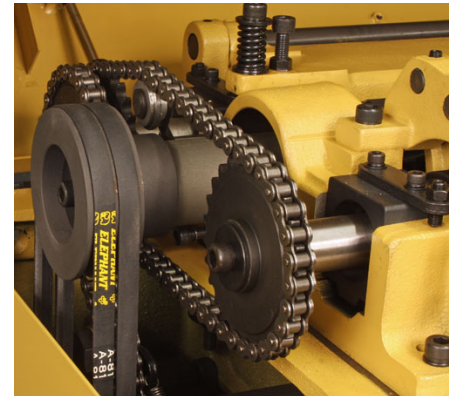
Adjustment of the feed and roller systems is easy with top-mounted adjusters. (left) All of the major rotating parts run in high quality ball bearings (right) for maximum accuracy and life with minimal downtime.

The 3"-diameter sectional infeed roller system and chip breaker are specially designed to allow feeding multiple boards with

different thicknesses through the POWERMATIC PM201HH, 22" Planer simultaneously.

This feed system also accepts work pieces with uneven surfaces, moving them consistently so they are machined correctly the first time.

A pair of adjustable bed rollers facilitates both rough and finish planing. These bed rollers are adjustable from outside of the POWERMATIC



The twin in-bed rollers are adjustable from the front of the PM201HH (left) so these changes can be made quickly without disturbing cut depth. The cutterhead is powered by a dual belt and the rollers with a slip-free chain drive. (right)

PM201HH, 22" Planer so "on the fly" corrections are easy to make without having to disturb the table height setting and delaying production. The solid steel outfeed roller is machined with small serrations to insure a smooth finish yet provide positive feeding.



Changing feed rates is done "on-the-fly" with this handle on the front of the PM201HH.

The two-speed gearbox that drives the feed rollers is quickly shifted with a handle at the front of the POWERMATIC PM201HH, 22" Planer. Changing between the 20 and 30 fpm (feet per minute) feed rates is done while the machine is running (only) and makes switching from rough to finish planing easy. Heavy-duty side rollers guide the stock so it moves beneath the cutterhead properly.

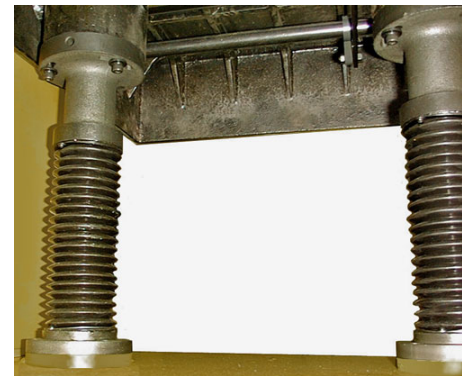


The large handwheel (left) makes raising and lowering the heavy cast iron table easy. The specially designed dust ports under the top cover (right) help evacuate the dust to keep the shop environment cleaner.

The massive, 32-1/4" x 24" ribbed cast iron table is precisely ground to insure it is flat. This heavy table is raised and lowered with a large-diameter iron handwheel. Each full turn of

the handwheel produces a 1/16" change in table height, making ultra-precise cut changes easy to make. The height of the cast iron table is controlled by a pair of heavy-duty lead screws that keep it stable and insure that it remains parallel to the cutterhead throughout its travel. The versatile POWERMATIC PM201HH, 22" Planer has a maximum planing thickness of 9-3/4", minimum stock thickness of 1/8", a maximum cut depth of 3/16" and can plane wood with a minimum length of just 10"!

The massive cast iron table has gib adjustments at each side on the front for long term clearance adjusting to keep the up and down motion smooth and play free. The lead screws are adjustable as well. Heavy duty adjusting hubs atop each lead screw allow for quick adjusting of the table parallelism.



The table has gib adjustments (left) at either side to eliminate play that might develop over the years. Each of the massive lead screws has an adjusting collar at its top (right) to keep the table parallel to the cutterhead.

The POWERMATIC PM201HH, 22" Planer was designed for small to medium shops with continuous planing requirements. Its 42"-long x 49"-wide and 59"-height packs remarkable planing capabilities into a floor space saving footprint. The rugged construction and labor-saving design means the POWERMATIC PM201HH, 22" Planer will minimize downtime and maintenance costs while maximizing production.