

JET JJP-12 Jointer-Planer

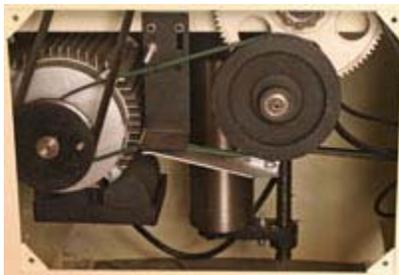
A frustrating choice woodworkers often face is whether to get a jointer or a planer first. That choice is made more difficult because these machines compliment each other to dimension, square and smooth the wood. The new JET JJP-12 Jointer-Planer eliminates that problem and brings both capabilities to your shop in one accurate, durable and economical package.



The JET JJP-12 Jointer-Planer brings two crucial woodworking processes, jointing (left) and planing (right) to the shop in one space and money saving package.

The JET JJP-12 Jointer-Planer is based on a heavy-duty, fully welded steel base cabinet that houses the motor along with the planer table mechanism. The cabinet also provides solid mounting for the associated controls as well as supporting the jointer table and fence assemblies.

Power



The 3 HP motor and drives are contained in the cabinet but accessible through a removable rear panel.

The JET JJP-12 Jointer-Planer features a 3HP, 230V, 12.5A, 1Ph TEFC (totally enclosed fan cooled) motor that supplies consistent power to the cutterhead that is used for both jointing and planing operations as well as the feed roller system in the planer mode. The belts and feed roller drive chain systems are contained within the cabinet but readily accessible through the large removable panel on the cabinet rear.

To protect the motor – and you – we include a magnetic On/Off switch with a built-in limiter. This switch prevents excessive variances in the electrical power from damaging the motor. Another benefit of a magnetic switch is that should the power go out and then come back on the JET JJP-12 Jointer-Planer will not restart on its own. The On button must be pushed after power is restored to start the machine. The limit switch also prevents machine startup while changing modes of operation.

Capacities

To make the JET JJP-12 Jointer-Planer as capable as it is versatile, the jointing and planing width capacity is a full 12". That capacity allows you to work with wider boards without having to rip them down to fit common jointer widths in the 6 to 8" range. Because both the jointer and planer width capacities are the same, you can move between those modes without having to add an additional ripping step to the process.

3-Knife Cutterhead

The JET JJP-12 Jointer-Planer uses a large 2 3/4"-diameter cutterhead fitted with three high quality knives for both jointing and planing operations. The cutterhead turns at 5500 RPM for all operations. The knives are retained with conventional wedge bars and have jacking screws that make setting their height precisely much easier. Because this cutterhead is used for both jointing and planing, setting the knives one time is all that is required.



The precision machined 3-knife cutterhead and feed roller system (planing mode) make the JET JJP-12 effective.

Changing Modes



Changing from jointing to planing or back on the JET JJP-12 is fast and simple. Unlock the jointing deck, lift it to its upright position, flip the dust collector into planing position and engage the feed rollers. It takes less time to do than to describe! Going back to jointing is just as fast.

From the beginning, along with accuracy, capacity and durability, developing a fast, easy way to change between jointing and planing modes was high on the design criteria list. The JET JJP-12 Jointer-Planer sports a very simple, tool-free hinge based system that allows changing between jointing and planing modes very quickly without having to remove any components.

A pair of locking levers on the cabinet sides release the jointing bed which is then rotated up to expose the planer section. Lifting the cast iron jointer bed assembly (moves as one piece) is made easier because of spring-assisted hinges that reduce that effort substantially. A drop in lock at the hinge point secures the jointer bed in the upright position.

The dust collection shroud with its 4"-diameter outlet port is also hinged for use in both the jointing and planing modes. The shroud has an internal, gravity-operated baffle plate that helps direct the collection vacuum for maximum effectiveness. When the jointer bed is up, the dust shroud is rotated up into a very traditional location for planer dust evacuation. The planer section is now ready for use.

To go back to the jointer mode, rotate the dust shroud down, release the jointer table lock, lower the table into position and then engage the two locking levers. The JET JJP-12 Jointer-Planer is ready for jointing operations in seconds.

Jointer Mode

Because both the machine modes use the same 12" cutterhead, the jointer section is capable of face jointing 12"-wide stock. The 55"-long by 12"-wide cast iron infeed and outfeed tables provide plenty of support for the big project pieces.

The infeed and outfeed cast iron tables are individually adjustable for height for the most flexibility. The maximum cut depth is 1/8". To insure long-term accuracy, we even included full coplanar adjustment capability and complete instructions in the manual for making this adjustment should it become necessary.

The 43"-long by 6"-tall extruded aluminum smooth faced fence makes accurate jointing easy. The fence is fully adjustable for material width using a pair of wide spread levers for maximum stability. The fence face can be set to any angle from 0 to 45-degrees for precise bevel cuts. A handy bevel scale and pointer are included on the fence mount.



The JET JJP-12 has a whopping 12" jointing width capacity! The fence and fully adjustable infeed and outfeed tables make this an extremely versatile machine.

Bridge Style Cutter Guard



The bridge style guard is very effective and easy to set up.

The bridge style cutter guard may take a little getting used to but is much safer than the "pork chop" shaped guards. This style guard is simple to set up and with just a little experience will actually be easier for many than dealing with the swing-away guards.

When jointing the wide face on boards, the cutter guard is adjusted so that the board passes beneath it. Turning the knob at its mounting base controls the height of the guard over the cutter. This keeps the entire cutter area covered and prevents

the operator from pushing down directly over the cutter, something you shouldn't be doing anyway. For edge jointing operations, the guard is adjusted to allow the material to pass between its end and the fence. Here again, the unused cutter remains covered throughout the operation.

The bridge style cutter guard is needed only for jointing operations. The guard remains in place without modification when the jointing table is rotated up to convert to the planer mode.

Planer Mode

The JET JJP-12 Jointer-Planer is a fully capable thickness planer with a 12"-cut width and handles a whopping 8 3/4" maximum material thickness. The maximum full-width cut depth is 1/8" with 5/32" being the maximum cut on narrower stock. Naturally, lighter cuts put less stress on the wood itself and often produce much better results. The 5500 RPM cutterhead speed means a constant 20 FPM feed rate is a good balance between quick material removal and a clean, smooth surface.

In planer mode the material feed roller system is engaged by moving an exterior handle to the On position. That produces a material feed rate of 20 FPM. (feet per minute) The control lever is moved to the Off position when the JET JJP-12 Jointer-Planer is changed to the jointing mode.

The cutterhead assembly is fixed and includes a row of gravity-operated anti-kickback fingers for safety. A serrated metal feed roller is designed to resist contamination and maintain a consistent material feed rate for the best results. A rubber-covered outfeed roller keeps the stock moving without marring the freshly planed surface.

The 21 1/4" by 12" planer table adjusts up and down through a large handwheel (with spinner handle) on the infeed end of the JET JJP-12 Jointer-Planer while in planer mode. A scale on the handwheel hub shows the amount of change partial turns create while a full height scale with pointer shows overall cutter to table distance. The planer table is locked with a lever-type handle.

The JET JJP-12 Jointer-Planer was designed to bring the much needed jointing and planing capabilities to your shop in a single, space-saving 55"-long by 39 1/2"-tall (top of fence) and 32"-deep (fence at its widest setting) package. Because of its space saving design and our focus on accuracy, function and durability, the JET JJP-12 Jointer-Planer is as economical as it is versatile.



In the planer mode the JJP-12 handles boards up to 12" wide with power to spare.