

JET JWS-25X Shaper

The JET JWS-25X Shaper was designed to pack the most sought after shaper features in a space saving 25"-wide by 25 1/2"-deep and 39 1/2"-tall package. The liberal use of our cast iron technology, a strong 3HP motor, full-featured fence and a tough undercarriage mean we can cover the JET JWS-25X Shaper with our 5 year warranty!

Power

The JET JWS-25X Shaper comes with our powerful 3HP, 230V, 1 phase motor. All JET motors are rated using a continuous duty cycle rather than the "peak" or "max developed" estimations some manufacturers still use. A continuous duty cycle gives the most accurate depiction of the power a motor delivers during use, not in spikes or for brief periods. Our full 3HP motor means spindle RPM is far more stable and consistent with virtually all cutter profiles.



The JET JWS-25X Shaper packs all of your favorite features into a space and money saving package.



The powerful 3HP motor (left) and its mount are easily accessible through the side door. The major controls are on the front of the cabinet (right), including the magnetic switch that protect the motor and you.



The motor is controlled by a pair of switches on the front of the base cabinet. Because the JET JWS-25X Shaper motor is reversible, we added a three position switch that allows selecting forward, off or reverse.

The magnetic pushbutton switch set mounted on the front of the base cabinet is

designed to protect the motor from potentially damaging voltage variations. A magnetic switch also has a safety feature in that once the power goes out, it will not allow the JET JWS-25X Shaper to restart on its own when the power comes back on. After the power is restored, the operator must push the On button to restart the machine, avoiding potentially dangerous surprises.

Spindles, Speed and Height

The JET JWS-25X Shaper comes with ½” and ¾” diameter spindles. Both spindle assemblies are equipped with a full set of spacers to accommodate virtually any cutter size. We also have ½” and ¼” router bit collets plus 1” and 30mm spindles available for the JET JWS-25X Shaper as accessories.



We supply a ½” and ¾”-diameter spindle with the JET JWS-25X shaper (left). Each spindle comes with a full set of spacers. Changing spindles and cutters is made easier because of this external spindle lock (right) on the right side of the cabinet.

The spindles fit into a tapered seat receptacle and secured with a large locking nut. A heavy-duty draw bar pulls the spindle down into its tapered seat to be sure it is properly seated and centered.



The handwheel and scale allow making precise cutter height changes quickly.

The JET JWS-25X Shaper has a heavy-duty cast iron motor mount assembly enclosed within the all-steel base cabinet that also controls the up and down movement of the spindle. A large chrome plated cast iron handwheel on the front of the cabinet makes adjusting the height of the spindle/cutter effortless. A handy scale on the front of the cabinet shows the height change being made within the full 3” range of movement. Once set, the height is locked using the front-mounted handle located next to the handwheel.

The JET JWS-25X Shaper has two spindle speeds, 7500 and 10,000 RPM that allows choosing the best speed and torque for the cutter or material being used. Changing speeds is done by moving the V belt between the two available pulley positions. A belt tensioning handle on the motor mount is easy to use and reach. A large access door on the side of the base cabinet makes that an easy task. A window in the front of the cabinet allows you to see which pulley position the belt is currently in. We even added a simple spindle lock handle on the exterior of the base cabinet.

Big Table

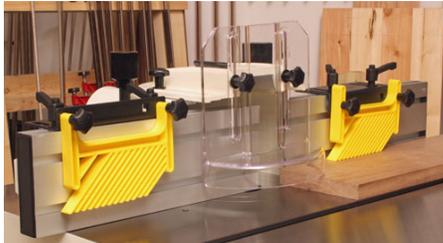
The JET JWS-25X Shaper features a 25" X 25-1/2" precision ground cast iron table that provides a durable and spacious work area. The table surface is at a comfortable 33" above the floor. The table has a full-length, full-sized (3/4" by 3/8") miter slot that accepts the included full-featured miter gauge. The slot can also be used to guide your shop-made jigs. For odd shaped jobs we include a steel starting pin that screws into threaded holes in the cast iron table.



Two high-precision insert rings allow you to size the table opening to fit the cutter.

The opening for the cutter has inserts with inside openings of 2 9/16" and 4 21/64". Remove both insert rings and the opening grows to a maximum 6 9/32". That means the JET JWS-25X Shaper can handle cutters with a 7" maximum diameter above the table and a 6" maximum diameter below the table.

Micro Adjustable Fence



The fence system (left) is tough, stable and has all of the adjustments you need for safe, accurate shaper work. The right side fence face has this ultra-precise front-to-back control (right) for jointing-type operations.



The JET JWS-25X Shaper fence system is loaded with high-end features, beginning with the heavy-duty iron cast center section that adds a tremendous amount of stability. That casting also forms a shroud that directs the dust to a 4"-

diameter exit port at the rear that accommodates standard dust collector hose. We recommend using a dust collector with a minimum 350CFM (cubic feet per minute) rating for maximum efficiency.

The fence has extruded aluminum faces, each with 14-1/2" by 4-3/4" of overall surface area. The faces adjust independently from each other with a single finger operated knob on the rear of the fence. The faces have T-slots in the front and top surfaces for attaching jigs or the pair of featherboard hold-downs that are included. The outfeed fence face (forward bit rotation) has a micro adjuster built in for making ultra precise jointing-type cuts.

The JET JWS-25X is a full-featured, powerful machine that brings a full range of shaping capabilities to your shop in a space and money-saving package.