

POWERMATIC DDS-225/DDS-237 Dual Drum Sander

The POWERMATIC DDS-237 Dual Drum Sander is a production class machine that is loaded with features and available in configurations to suit your needs. The #1791321 (DDS-237, 37" drums) is equipped with a 10HP, 230/460V (prewired 230V), 3 PH motor. Also available are the #1791320 (DDS-237 37"-drums) with a 7.5HP, 230V, 1Ph motor and the #1791290 (DDS-225, 25"-drums) powered by a 5HP, 230V, 1Ph motor. All POWERMATIC Dual Drum Sanders are protected with a full magnetic On-Off switch. Aside from the 25" drum length of the DDS-225, the features remain similar.



The POWERMATIC DDS-237 Dual Drum Sander is a very capable solution for your sanding needs.

Size and Capacity



The top of the cabinet opens for easy access to the drums and shows the special dust system that helps keep this machine performing.

Despite the compact 60"-wide x 45"-deep x 45"-tall overall size, (DDS-237 model) the POWERMATIC Dual Drum Sanders have the capacity to handle a huge range of jobs from small to large. With a minimum board length of just 9", a minimum thickness of 1/32" and maximum thickness of 5-1/4", these sanders offer expansive job coverage.

Spacious Cabinet

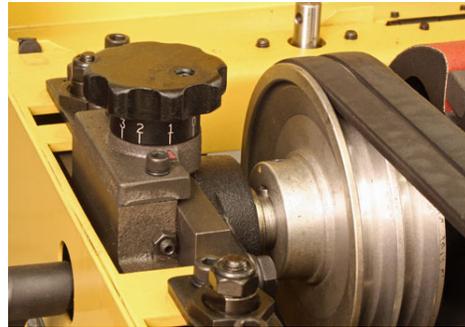
The POWERMATIC Dual Drum Sanders are enclosed in an all-steel cabinet. Compartments with latching doors at the bottom enclose the motor, drive systems and provide spacious storage. Removable panels provide good access to important systems when needed.

The full-width, hinged steel top opens to make working with the drums and roller systems easy. Built into the top are a pair of 4"-diameter dust ports. These ports connect to specially designed directional baffles within the top that enhance the effectiveness of the dust evacuation. For maximum efficiency, a dust collector system with a minimum 1200-CFM (cubic feet per minute) capacity should be used.



The rubber-covered steel drums enhance accuracy and consistency.

Steel Drums



Installing abrasive strips (left) is easy and secure with the wedge retainers. The rear drum is adjustable (right) using this knob to compensate when using different abrasive grits than on the front drum.

The POWERMATIC Dual Drum Sanders feature dual steel drums spinning at a consistent 1700-RPM that are precisely machined and then given a hard durometer rubber coating that ensures a flat, non-marring surface. These 6"-diameter steel drums have the strength to resist flex during sanding for

maximum accuracy and consistency.

The rear drum is independently adjustable, which allows fine-tuning, especially when it is equipped with a different grit paper than is on the front drum. A special graduated knob at either end of the rear drum makes setting this height for the abrasive grit being used easy and accurate. We include a handy chart on the cabinet below the adjustment that shows the correct settings for the various grits.

The abrasive strips can be purchased ready to cut or can be cut in your shop. The strips are secured to the drums using simple but very tough and highly effective wedges. Tuck the end of the paper in, insert the wedge and tighten the retaining bolt.



The pressure rollers are easily adjusted with these tough but simple mechanisms located up top for easy access.

The pressure rollers are also fully adjustable. The easy to use adjusters are located on top at either end of the rollers for easy access. These adjusters are designed to be rugged and to hold their adjustment during long periods of use. The full adjustment procedure is described in the instruction manual.

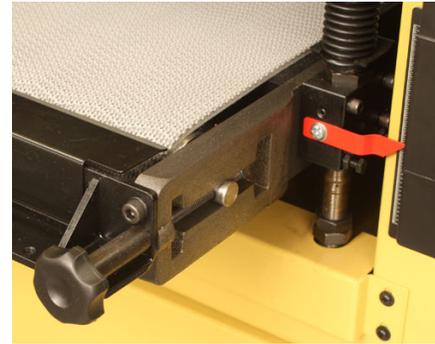


The conveyor belt runs on a precision cast iron table for flatness and consistency.

Conveyor Table and Belt

A heavy cast iron table has been precisely machined to insure flatness. The table is raised and

lowered on four jackscrews turned simultaneously by a slip-free chain drive. That chain drive also keeps the table level at all heights. The chain drive has an automatic tensioning system built in to reduce setup and adjustment. The table height system is operated by a large cast iron handwheel at the top of the POWERMATIC Dual Drum Sanders. An easy-to-read depth gauge next to the table makes presetting table thicknesses easy.



The conveyor is driven by a two-speed gearbox (left) that is shifted while the belt is running. Each side of the conveyor has an easy adjuster (right) for belt tracking and tension

The heavy-duty poly conveyor belt provides a positive grip on the material being sanded. The high-quality conveyor belt has tracking adjusters at either end of the table. These adjusters also control belt tension.



Industrial-tough controls, including a full magnetic switch protect the POWERMATIC Dual Drum Sanders.

The 1/4HP feed motor drives the conveyor belt and is controlled by a two-speed forward/reverse gearbox that produces feed rates of 8 and 12 SFPM (surface feet per minute). The gearbox can only be shifted between the low and high feed rates while the machine is running. The conveyor belt can also be reversed, using a separate three-position switch with forward, off and reverse positions. Reversing can be handy in the event that a problem develops, the belt can be reversed to safely bring the piece back out. That lets you correct the problem more easily.

The POWERMATIC Dual Drum Sanders are designed with the industrial environment in mind. They are tough, easy to use and easy to maintain. Their wide capacity ranges mean one machine handles more jobs, making the POWERMATIC Dual Drum Sanders a very cost-effective investment.