



## POWERMATIC DS20 20" Disc Sander

Disc sanders have always been useful in woodworking. The POWERMATIC DS20 20" Disc Sander takes that concept with its brute power, 20"-diameter disc and an array of user-friendly features. Near the top of the feature list is a huge, articulated cast iron table, making it clear that the DS20 20" Disc Sander is a serious tool. The no compromise construction and manufacturing of the DS20 20" Disc Sander means we can cover it with our full 5-year warranty!



The Powermatic DS20 20" Disc Sander has all of the power and user-friendly features to make it the go-to sander in your shop for many years to come.

### Big Power



The motors are big, durable and powerful to provide trouble-free operation and consistent sanding for years to come.

The DS20 20" Disc Sander comes with a 2 HP, 1 Ph, 230V motor. (A 3 HP, 3Ph, 230/460V version is also available) POWERMATIC motors are rated using a continuous duty cycle for a true representation of its power rather than the "peak" or "max developed" figures. The motor is big, heavy and built to operate efficiently and smoothly for years. The heavy platen that backs the abrasive is driven directly from the motor shaft, insuring a very consistent 1720-RPM.

A tough industrial-style pushbutton switch set turns the motor on and off. The on button is guarded to help prevent accidental startups and mounted to be within easy reach of the operator.

### Heavy Steel Platen

The DS20 20" adhesive-backed discs attach to a precision-machined steel platen that is mounted directly to the motor shaft using a large-diameter flange for maximum strength and alignments. This mass of this 9/16"-thick by 20"-diameter steel platen dissipates heat while resisting distortions and vibrations. Its sheer mass adds a flywheel effect that further smoothes the sanding process.

Because the platen is made from steel, scraping spent abrasive discs from its surface is much easier without fear of damaging the softer materials often used



This hand-operated disc brake lets the operator stop the heavy platen in seconds and do it safely.

to make the platen on other sanders. Changing abrasive disc is made even easier because the cast iron table can be lowered out of the way and the upper guard tilts back to expose the platen fully.

### Hand Brake

The inertia developed by the heavy platen and motor mean that the DS20 20" Disc Sander will take a long time to "spin down" after it is shut off. We added an easy to use hand brake that applies a specially formulated disc to the rear of the platen to



The thick, steel platen is precision machined and balanced to virtually eliminate vibrations. Notice how the disc guard tilts back out of the way to ease changing abrasive discs.

safely stop it in seconds. This braking system not only speeds your work, it eliminates the temptation to stop the disc in other, less safe ways.

### Table

The DS20 20" Disc Sander features a tough, cast iron table. At 27 1/2"-wide by 10 1/2"-deep (at the disc) it provides plenty of support for even large project pieces. The table tilts 30-degrees up and 45-degrees down using a gear drive operated by a handwheel that makes adjusting this heavy table effortless. An easy to read scale makes setting bevel angles fast and precise.



The spacious cast iron table tilts 30-degrees up and 45-degrees down for easy bevel sanding of virtually any angle. The table also can be raised and lowered for maximum versatility and for changing abrasive discs.

The entire table assembly can be raised and lowered using a rack and pinion system. This affords the maximum flexibility to make square or beveled sanding operations easier and safer. Being able to adjust the table height can also make long or repetitive sanding jobs far more comfortable.



The table is raised and lowered using this rack and pinion system, operated by the large handwheel. Also, you can see the 4"-diameter dust port.

The table has a full-width, t-shaped miter slot that accepts the included miter gauge. This full-featured miter gauge has a 7"-long fence and pivots to 60-degrees to the left and right of 0. It also has adjustable stops at 0 and 45-degrees.

### Dust Collection

A full shroud below the table does a good job of evacuating dust from the lower half of the disc before it has a chance to come above the table. The shroud terminates in a 4"-diameter port that makes connecting standard dust collector hose simple. We recommend a dust collector with a minimum 600CFM capacity.

A full shroud below the table does a good job of evacuating dust

### Heavy Base

The DS20 20" Disc Sander stands on a heavy, 22 1/2" by 22 1/2" cast iron base. The base has cast-in holes at each corner should you want to bolt the DS20 20" Disc Sander directly to the floor. A 4"-diameter steel column supports the DS20 20" Disc Sander with the stability this 426-LB machine needs.



The cast iron base and steel column keep the DS20 stable during use. Holes in the base allow bolting it to the floor for even more stability.