

Drill Presses

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For the quickest and most precise drilling the drill press is what you should look for (though it is not portable still it serves a lot of purpose). Due to its versatility to finish plenty of jobs the drill press has become an essential item on floor of any shop.

The functioning of drill press is very easy. It uses a fixed drilling head positioned above moveable workbench. Throat capacity is the most essential part as it measures the size of the workable area. Drill Press throat is nothing but the distance between the bit and the rear of the workbench. The distance determines the size of a drill press the drill bit is from the column, a 12" drill press would be capable of drilling a hole in the center of a 12" disk. Initially the design of the Drill Press was a metalworking tool, but is now commonly used to work with a variety of materials.

Keyed chuck is the important part of the drill press. There are three holes around the chuck that the key fits into, mainly to prevent a bit from slipping. After tightening the bit move to the next hole and tighten again, then move to the third hole and tighten again. The Accessories available allow the Drill Press to complete a wide array of day-to-day jobs on time and efficiently. The work involves performing as sanding drums, rotary planners, hole saws and mortising equipment. The torque, which is incomparable with the portable counterpart, is the best part of drill press. It is perfectly designed for making holes. It is very competent to handle the job with precision and accuracy that you can count on it with closed eyes.

The drill press can be customized to serve different purposes. Bench top drill press is the most common drill presses available in the market (mount directly to a workbench or on their own stands. Their compact size makes bench-top models good choices for small shops), Floor Model Drill Press (usually have more powerful motors, more attachments/accessories and greater material handling capacities than bench-tops. The extra versatility makes floor models good choices for serious DIY and commercial shops), Radial Drill Press (have a movable spindle that can be adjusted to the work. This type of machine is convenient to use on large and heavy work or where many holes are to be drilled since the work does not have to be readjusted for each hole) and Portable Drill Press (yield the least power, but are convenient for small jobs and travel. For someone without a functioning wood shop, this tool can be necessary).

Safety norms should be the topmost priority while operating on any mechanical tool like the drill press first. Always follow these methods for complete safety while you work. Make it a point to use wear eye protection while working on the floor. Run your drill press at correct cutting speeds. For handling small materials Use a vise or clamp. Always use a brush to Remove waste chips and never by hand. Slow down on the pressure applied as bit breaks through material. Never drill with too much pressure, if the bit is dull sharpen or replace it. Shut off machine if drill binds; turn chuck backwards by hand to free bit. While drilling deep holes withdraw drill to clear chips frequently. Take out drill chuck key right away after using. Keep floor area around tool clear.

About the Author

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