



# Column Drilling Machines **ZY5050A**



**SKU : 470553**

## **TRIAL MACHINE**

This drill press is the right choice for any workshop, and ideal all applications from maintenance to production. These universal drill presses feature a thick-walled column, powerful drives, and robust gears for spindle speed and feed. The spacious work area and a large universal setup table allow for easy handling and precise machining of medium-sized workpieces.

- Robust, heavy design
- Swiveling and rotating work table
- Automatic drill feed
- Motorized table height adjustment
- Thread cutting feature
- Integrated coolant system



## **TECHNICAL SPECS**

### **WORKING AREA**

Drilling capacity	1.97 in
Tapping capacity (max.)	M 30
Table set up area	23 in x 18 in
Spindle nose-to-table surface distance	16 in
Spindle nose-to-foot distance	46 in
Throat	14 in
Column diameter	7 in
Quill stroke	9 in
Table swivel range (max.)	45 deg

### **HEADSTOCK**

Speed range	52 rpm - 1400 rpm
Spindle mount	4 MT

### **FEED**

Quill feeds	(4)0,1-0,4 "/rev
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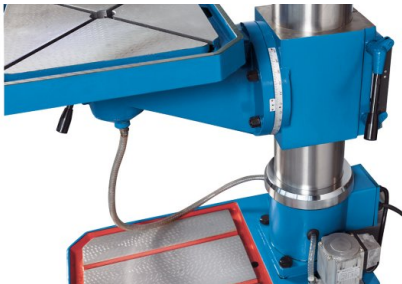
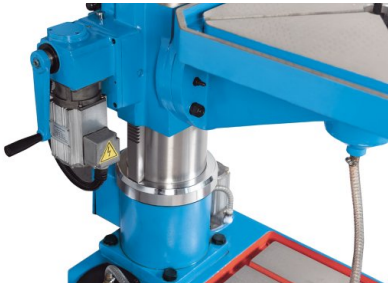
### **DRIVE CAPACITY**

Motor rating main drive	4 Hp
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### **MEASURES AND WEIGHTS**

Overall dimensions (length x width x height)	38 in x 27 in x 95 in
Weight	1474 lbs

## PRODUCT DETAILS



### Machine Frame

- This machine features a very rigid construction with thick-walled column and large throat
- The drill table features motorized table height adjustment and can be tilted 45° to either side
- Crosswise arranged T-slots offer a wide variety of clamping possibilities
- The table's swivel and rotation functions simplify the alignment of different workpiece shapes and clamping tools with the drill spindle
- The central coolant return is integrated in the drill table for even more convenience
- The drill press base features a large, precision-machined setup area with parallel clamping slots

### Spindle head

- A precision-stepped spindle gear drive allows for a wide rpm range with high torque across the entire speed range
- The current speed is shown on a digital display on the machine control panel
- The 4-step feed gear is integrated in the drill head and runs in an oil bath for low maintenance
- The automatic quill feed features an electromagnetic clutch for smooth and comfortable shifting
- The drill depth can be limited in the automatic feed via an electronic depth stop
- After reaching the desired drill depth, the feed will automatically shut off, and the quill will be returned to its zero position via spring force
- If the user selected the thread cutting function, this stop will also define the desired thread depth
- Upon reaching the set position, the machine will automatically reverse spindle rotation
- A powerful integrated coolant pump is part of the standard equipment
- The modern LED machine light is bright, long lasting, and provides optimum lighting for increased operator safety
- For quick tool changing, the SSB drill presses feature an ejection function within the quill that requires no tools

### Sample product

- Only for markets outside the EU. Fully tested and fully functional machine, no warranty, but includes a 6-month warranty on replacement parts (wear parts excluded)
- For the EU market, we offer a wide portfolio of drill presses. Please visit our website for detailed information
- If you have questions regarding a product or sales limitations, please contact our sales experts

### Standard Equipment

- Thread cutter
- Protective shield
- LED work lights
- Coolant system
- Operating tools
- Operation manual