



# Column Drilling Machines **ZXB5050**



**SKU : 470616**

## **TRIAL MACHINE**

ZXB Series drill presses are the right choice for any workshop, from maintenance to finishing. These rugged drill presses feature a touchscreen control panel display that also provides user support for selecting the right operating parameters. The spindle speed is infinitely variable, and the quill feed features a rugged manual transmission. The setup table can be positioned on Y axis and X axis and features motorized vertical movement. These drill presses are ideal for custom and small-series machining, and especially for maintenance of large equipment in the steel and industrial construction sector.

- Touchscreen control panel with extra functions
- Automatic feed with manual transmission
- Motorized table height adjustment
- Work table traverses on 3 axes and features a position indicator

## **TECHNICAL SPECS**

### **WORKING AREA**

Drilling capacity	1.97 in
Tapping capacity, steel	M 27
Table set up area	31 in x 11 in
Quill stroke	8 in
Powered table travel	19.69 in
Column diameter	6 in
Spindle nose-to-table surface distance	20 in
Spindle nose-to-foot distance	46 in
Throat	15 in
Travel X-axis	18 in
Travel Y-axis	11 in

### **MEASURES AND WEIGHTS**

Overall dimensions (length x width x height)	50 in x 49 in x 90 in
Weight	1870 lbs

### **HEADSTOCK**

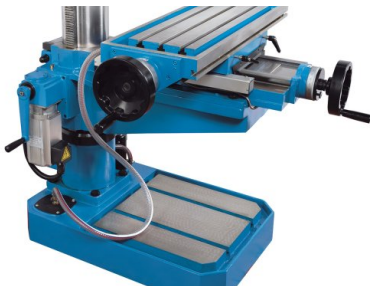
Speed range	55-348/348-2200 rpm
Spindle mount	MK 4
Swivel range	45 deg

### **FEED**

Quill feeds	0 in/R - 0.02 in/R
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### **DRIVE CAPACITY**

Motor rating main drive	4 Hp
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*Motorized work table height adjustment*



*Large work area*

## PRODUCT DETAILS

- Ideal for drilling, countersinking, reaming and tapping
- Very rigid construction with thick-walled column and large throat
- Base, column, table and gear head are made of premium high-quality cast iron
- The compound sliding table features a large setup area and allows high precision coordinate drilling
- Table guideways with taper gibs for precise positioning on X axis and Y axis
- Maximum positioning accuracy is made possible by a fully mounted 2-axis position indicator with linear scales
- Table height adjustment via a powerful motorized drive
- The entire drill head swivels  $\pm 45^\circ$  to either side
- The auxiliary gears for the main spindle drive run in an oil bath for maximum reliability and minimum wear
- The automatic quill feed is controlled through an electromagnetic connection, without using power
- For manual operation, the desired drill depth can be selected at the capstan handle
- The rugged LED work light with splash guard is bright, energy-efficient, and glare-free
- All machines in this series include a thread cutting function as standard equipment
- A central lubrication system delivers lubricant to the table guideways
- An integrated coolant system and operating tools complement the machine's all encompassing standard equipment

### Modern operating concept with rugged touchscreen display

- The 8" touchscreen features a rugged, resistant surface
- Operation is intuitive and requires no programming knowledge
- The current speed is displayed on the touchscreen and can be adjusted infinitely variable
- The control system assists the operator in selecting the correct machining technology values
- The suitable spindle speed and feed can be preset depending on the drill diameter and material
- An electronic depth stop halts automatic feed with greater accuracy and no mechanical stress
- Measuring units for input and display can be selected by the operator (mm or inch)
- The coolant system is built into the machine stand and is also activated on the touchscreen
- The built-in operating hour counter aids in monitoring service intervals and cost calculation
- Easy handling of the machine ensures effortless operation in a production environment and increases productivity

### 2 axis position indicator

- More accuracy
- Lower error rate
- Increased productivity
- Resulting in valuable time savings
- For increased productivity
- Easy to read display
- Operator-specific features
- Convenient keyboard layout
- Default coordinates

### Standard Equipment

- Thread cutter
- Touchscreen
- Protective shield
- LED work lights
- Coolant system
- Reduction Sleeve MT 4/2
- Reduction Sleeve MT 4/3
- Reduction Sleeve MT 3/1
- Drill chuck and tool-holder bits
- Operating tools
- Operation manual