



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	50 mm
Tapping capacity, steel	M 27
Table set up area	800 mm x 280 mm
Quill stroke	200 mm
Powered table travel	500 mm
Column diameter	160 mm
Spindle nose-to-table surface distance	500 mm
Spindle nose-to-foot distance	1165 mm
Throat	380 mm
Travel X-axis	450 mm
Travel Y-axis	280 mm

MEASURES AND WEIGHTS

Overall dimensions (length x width x height)	1.26 m x 1.23 m x 2.27 m
Weight	850 kg

HEADSTOCK

Speed range	55-348/348-2200 1/min
Spindle mount	MK 4
Swivel range	45 deg

FEED

Quill feeds	0.08 mm/R - 0.5 mm/R
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DRIVE CAPACITY

Motor rating main drive	3 kW
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Motorized work table height adjustment



Large work area

PRODUCT DETAILS

- Ideal for single part and series productions, 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