



SKU : 470615

TRIAL MACHINE

The machine is tested and fully functional and comes with a 12-month warranty

ZXB series box-column drill presses are the heavyweights of column drill presses. Their solid stability ensures superior performance for the most demanding applications. Absolutely zero vibration! These rugged drill presses feature a touchscreen control panel display that also provides user support for selecting the right operating parameters. They feature infinitely variable spindle speed and servo-motor driven quill feed. The setup table with motorized vertical movement makes handling of heavy parts easier. Table and head do not swivel for even greater rigidity and stability.

- Extremely rigid box column design
- Touchscreen control panel with extra functions
- Automatic feed with servo-motor
- Infinitely variable spindle speed
- Motorized table height adjustment
- Thread cutting unit

TECHNICAL SPECS

WORKING AREA

Drilling capacity	60 mm
Tapping capacity, steel	M 36
Table set up area	740 mm x 520 mm
Quill stroke	200 mm
Powered table travel	400 mm
Spindle nose-to-table surface distance	730 mm
Throat	340 mm

HEADSTOCK

Speed range	50 1/min - 2000 1/min
Spindle mount	MK 5

FEED

Quill feeds	1 mm/R - 300 mm/R
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DRIVE CAPACITY

Motor rating main drive	4 kW
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MEASURES AND WEIGHTS

Overall dimensions (length x width x height)	0.9 m x 1.2 m x 2.6 m
Weight	1350 kg

PRODUCT DETAILS



Large throat and work table that swivels and rotates



Motorized work table height adjustment



Ideal for drilling, countersinking, reaming and tapping

- The heavy box-column design ensures superior stability and rigidity, ensuring high precision and extremely low vibration when working with large drill diameters
- Base, stand, table, and gear head are made of thick-walled, vibration-damping cast iron
- The work table moves in wide dovetail guideways with large dimensions
- This design absorbs high axial and transverse forces caused by heavy-duty machining and very heavy workpieces
- A powerful motorized table height adjustment positions the table over the vertical spindle that is centered below the table
- Parallel positioned clamping slots simplify setup of workpieces on the drill table for high precision and reproducibility
- The work area of the vertical guideway is protected from chips and coolant splashes with a robust stainless steel cover
- The main spindle gears run in an oil bath, allowing for a very high torque across the entire speed range
- The automatic quill feed is controlled via a push button at the capstan handle
- The rugged LED work light with splash guard is bright, energy-efficient, and glare-free
- Manual upper fast clamping system with front clamp for Type R1 tools
- Manual central lubrication system simplifies regular maintenance

Modern operating concept with rugged touchscreen display

- The 12.1" color touchscreen conveniently displays all functions and features a rugged, resistant touch panel
- No programming skills are required for the modern, patented control system
- The infinitely variable spindle speed can be controlled at the display and is easy to read
- The control system assists the operator with the selection of the correct rpm and feed speed
- The system recommends cutting parameters based on bore diameter and material, which also may be accepted automatically
- An AC servo motor drives the automatic quill feed speed, which can be infinitely adjusted and read at the display
- The depth stop is set electronically at the display
- Upon reaching the preselected drilling depth, the quill automatically returns to the starting position
- Drilling depth positioning accuracy is about 0.10 mm
- Easy to program chip breaking function increases process safety
- Measuring units for input and display can be selected by the operator (mm or inch)
- Various alarm screens warn the operator in case of operational errors and display information on the operational state
- If the thread cutting function is enabled, the spindle rotation will automatically reverse upon reaching the set depth
- The high-performance coolant system is enabled at the touchscreen and will be turned on and off as a function of the main spindle.
- The system features an operating hour counter

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



KNUTH on YouTube

Information to the point

On our YouTube channel you can find videos for nearly all machines from our program. We show the machines from current deliveries and you get an impression of the handling, the processing quality and the machining performance.

**Are you interested in a machine for which you cannot find a current video?
Please feel free to contact us!**