



SKU : 470615

TRIAL MACHINE

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 |
|-------------|-------------------|

DRIVE CAPACITY

| | |
|-------------------------|------|
| Motor rating main drive | 4 kW |
|-------------------------|------|

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

Without CE mark, only for export to countries outside the EU

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