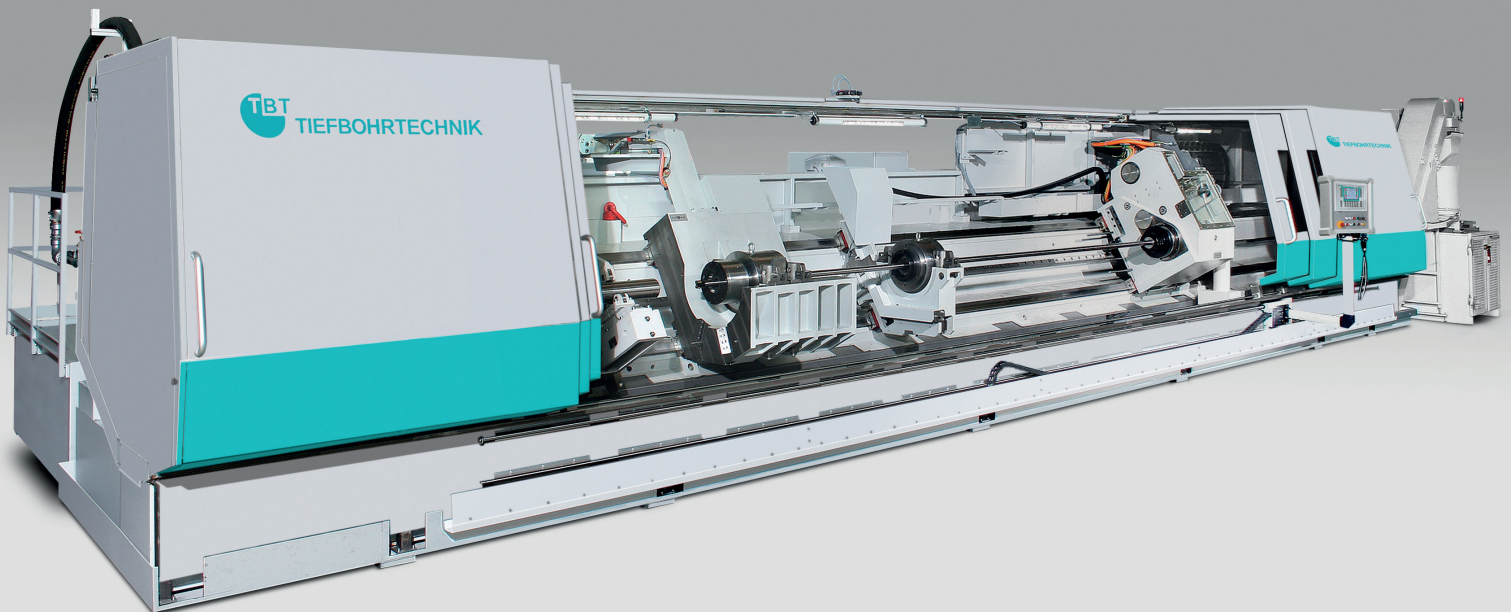




TBT-Deep Hole Drilling Machine B-Series

TBT Tiefbohrtechnik - Solutions for Deep Hole Drilling



B-Series

Purpose:

Deep hole drilling, counter boring, pull boring in STS-method as well as skiving and roller burnishing of large drilling diameters.

Design:

Machine bed of reinforced mineral concrete with steel casing offers high absorbability for extension of tool life and improvement of drilling qualities.

The inclined bed combined with the integrated oil collection pan offers a optimal back flow of coolant while workpiece exchange and take care of a clean and safe working area.

The guiding rails are mounted on the inclined bed. Due to this arrangement, the guiding rails are protected as far as possible.

Operation:

Releasing of oil pressure head and the vibration damper via one central screw. Free access in the vertical direction without interfering contour.

A cover plate is not necessary, whereby a reduction of the setup time results.

Chips can be taken out directly at the operation panel from the front side. Through this measure the optimization of the cutting data can be carried out

faster and easier by only one machine operator.

Positioning of the tool steady (cup steady) controlled by operating panel. Positioning of cams is not necessary. Benefit is a short setup time.

Specific features:

Optionally, also eccentrically drilling can be made in counter rotation.

Through specially adapted machine beds also workpieces can be manufactured with interfering edges and big rotating outer diameters.

Technical Data

		B3S	B4S	B5S	B6S
Number of spindles		1	1	1	1
Solid drilling dia.*	mm	20 - 200	20 - 250	50 - 300	50 - 400
Counter boring dia.*	mm	400	500	750	1000
STS skiving / roller burnishing dia.*	mm	400	500	750	1000
STS 3-fold combi-tool drilling dia.*	mm	400	500	750	1000
Drilling spindle headstock drive power	kW	74	130	172	214
Fixed spindle headstock (counter holder) drive power	kW	30	45	100	160
Drilling depth	mm	approx. 2000 - 15000			

* Value based on St. 60 material

Contact TBT



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