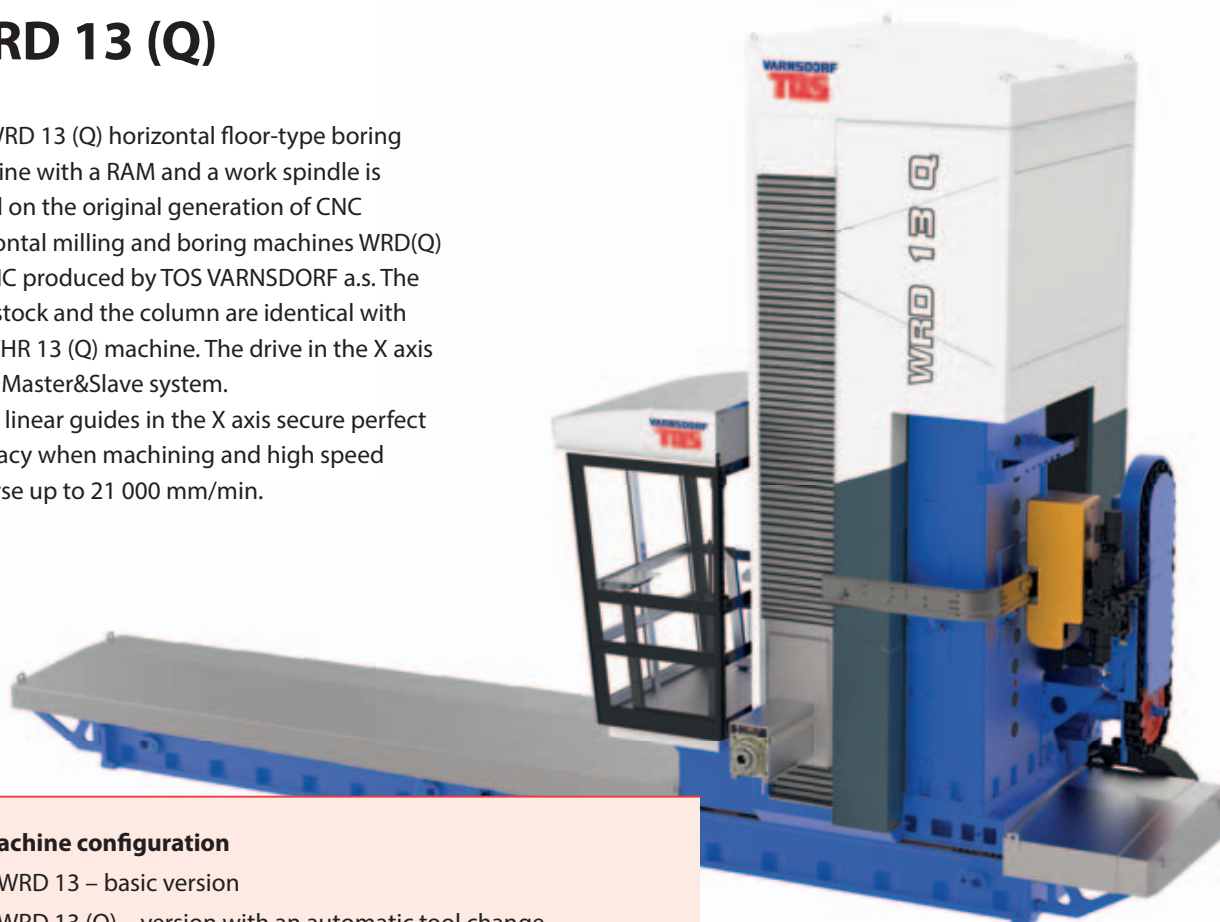


Floor-type machines

WRD 13 (Q)

The WRD 13 (Q) horizontal floor-type boring machine with a RAM and a work spindle is based on the original generation of CNC horizontal milling and boring machines WRD(Q) 13 CNC produced by TOS VARNSDORF a.s. The headstock and the column are identical with the WHR 13 (Q) machine. The drive in the X axis is the Master&Slave system.

Three linear guides in the X axis secure perfect accuracy when machining and high speed traverse up to 21 000 mm/min.



Machine configuration

- WRD 13 – basic version
- WRD 13 (Q) – version with an automatic tool change
- the WRD 13 machines are controlled in 5 axes (X, Y, Z, W and V – additional rotary table) and are offered with a spindle diameter of 130 mm



TECHNICAL PARAMETERS

Headstock

Work spindle diameter	mm	130
Spindle taper		ISO 50 / ISO 50 BIG+
Work spindle speed range	1/min	10 – 3 000
Main motor power (S1 / S6 – 60%)	kW	41 / 46
Torque on spindle (S1 / S6 – 60%)	Nm	2542 / 3 111
Spindle stroke W	mm	650
RAM dimensions	mm	320 x 400
RAM stroke Z	mm	700

Column

Headstock vertical travel Y	mm	2 000, 2 500, 3 000
Column longitudinal travel X	mm	3 000 – 20 000 (in steps of 1 000 mm)

Feeds

Range of feeds (working and rapid traverse) – X	mm/min	5 – 21 000
– Y, Z, W	mm/min	5 – 10 000