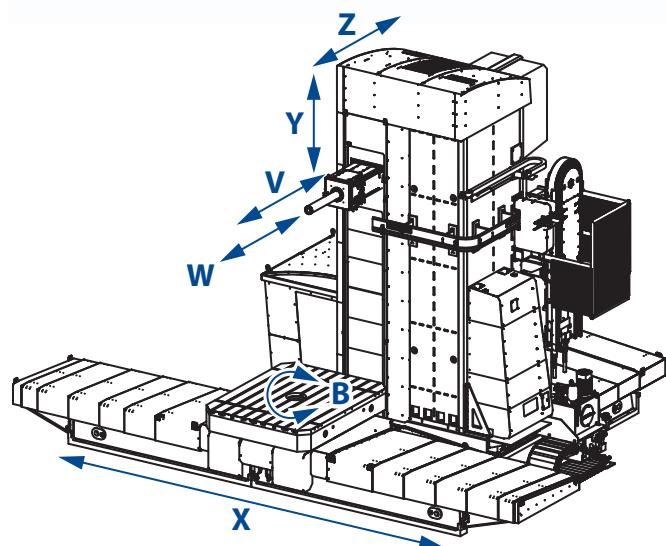
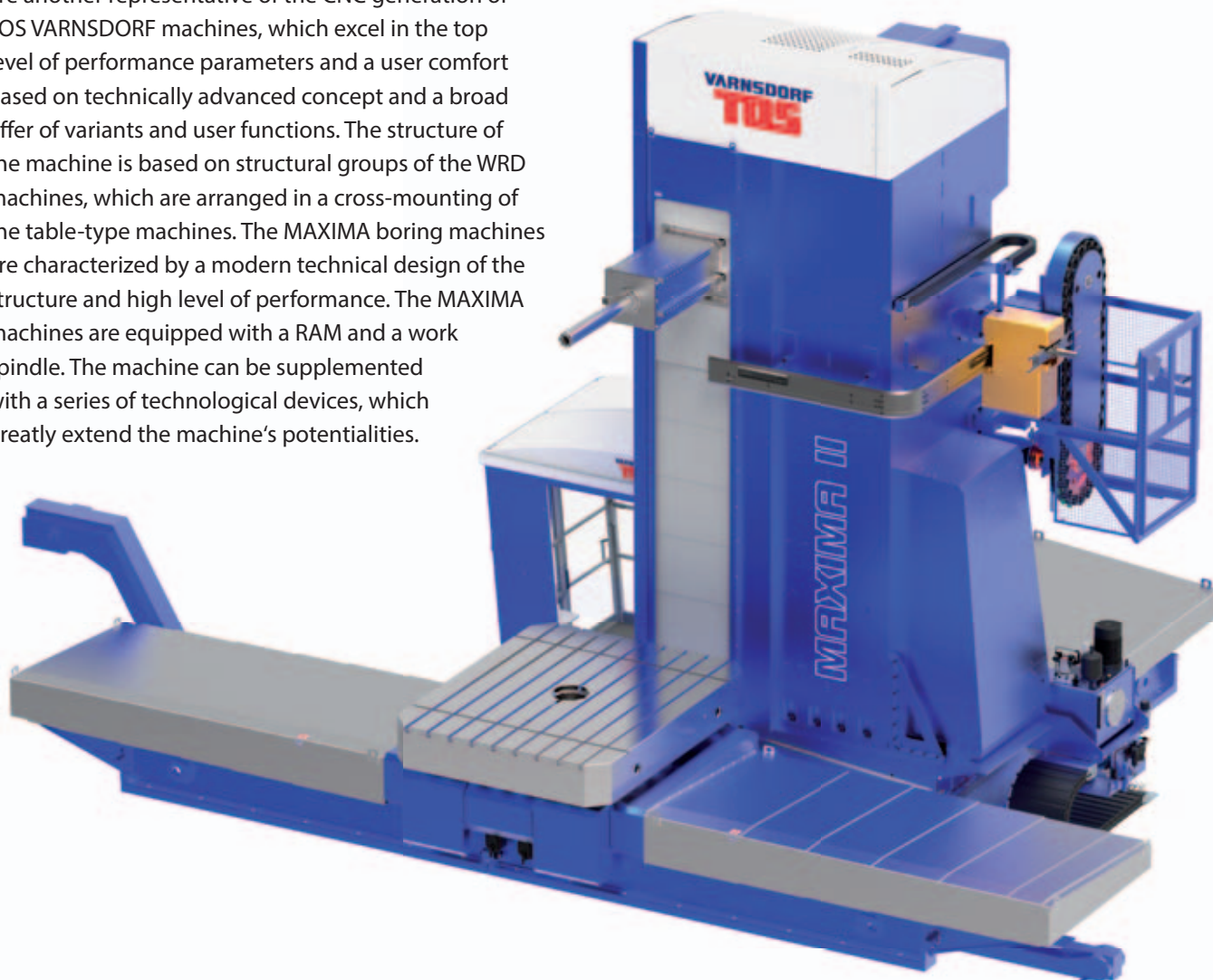


MAXIMA I / II

The horizontal table-type boring machines MAXIMA I / II are another representative of the CNC generation of TOS VARNSDORF machines, which excel in the top level of performance parameters and a user comfort based on technically advanced concept and a broad offer of variants and user functions. The structure of the machine is based on structural groups of the WRD machines, which are arranged in a cross-mounting of the table-type machines. The MAXIMA boring machines are characterized by a modern technical design of the structure and high level of performance. The MAXIMA machines are equipped with a RAM and a work spindle. The machine can be supplemented with a series of technological devices, which greatly extend the machine's potentialities.



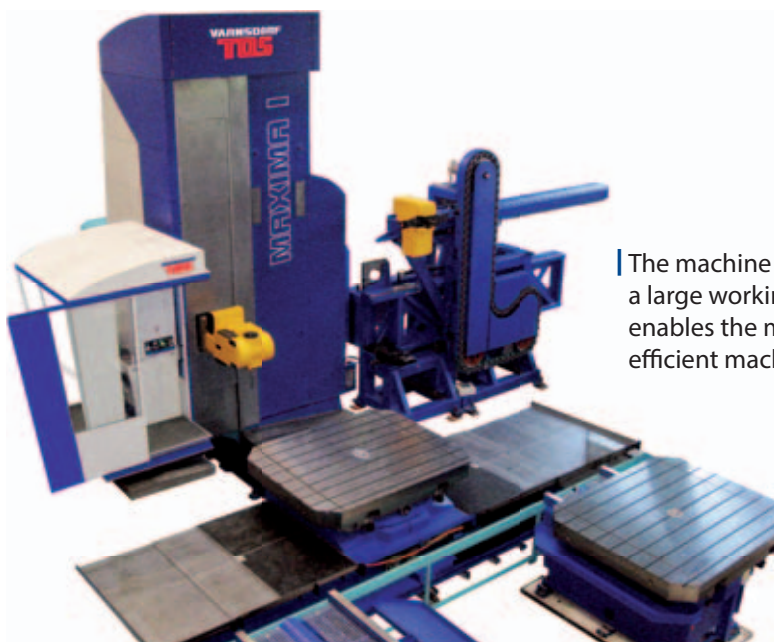
Machine configuration

- basic version of the machine
- version with an automatic tool change
- version with an automatic palette change
- MAXIMA I: machine with spindle diameter 130 mm
- MAXIMA II: machine with spindle diameter 150 mm
- 6 continuously controlled axes (X, Y, Z, W, V and B)

TECHNICAL PARAMETERS

Machine type		MAXIMA I	MAXIMA II
Work spindle diameter	mm (in)	130 (5.1181)	150 (5.9055)
RAM size	mm (in)	450 x 450 (17.7165 x 17.7165)	
Spindle taper		ISO 50 / ISO 50 BIG+	
Work spindle speed range	1/min	10 – 3 000	10 – 2 500 (2 800)
Main motor power (S1)	kW (HP)	41 (55.7)	58 (78.9)
Max. output of main motor (S6 – 60%)	kW (HP)	46 (62.5)	65 (88.4)
Torque on spindle (S1)	Nm (ft lb)	2 542 (1874.9)	2 437 (1797.4)
Max. torque on spindle (S6 – 60%)	Nm (ft lb)	3 152 (2324.8)	3 138 (2314.5)
RAM stroke V	mm (in)	1 200 (47.2440)	1 200 (47.2440)
Spindle stroke W	mm (in)	700 (27.6)	800 (31.5)
Column			
Headstock vertical travel Y	mm (in)	2 500 – 6 000 (98.4251 – 236.2204) in steps of 500 mm	
Column longitudinal travel Z	mm (in)	1 500, 2 000, 2 500 (59.0551, 78.7401, 98.4251)	
Rotational table			
Optional table size	mm (in)	2 000 x 2 000, 2 000 x 2 500, 2 500 x 3 000 / 3 000 x 3 000, 3 000 x 3 500, 3 000 x 4 000 (78.7401 x 78.7401, 78.7401 x 98.4251, 98.4251 x 118.1102 / 118.1102 x 118.1102, 118.1102 x 137.7952, 118.1102 x 157.4803)	
Max. workpiece weight	kg (lbs)	30 000 (66138.7) / 50 000 (110231.1)	
Table transverse travel X	mm (in)	3 000, 4 000, 5 000*, 6 000* (118.1102, 157.4803, 196.8503*, 236.2204*)	
Feeds			
Range of feeds (working and rapid traverse) – X, Y, Z, V	mm/min (ipm)	1 – 16 000 (0.0393 – 629.9212)	
– W	mm/min (ipm)	1 – 12 000 (0.0393 – 472.4409)	
– B	1/min	0.003 – 3	

* Only for rotational tables with a load capacity of 30 tonnes (33.06 tons).



The machine concept provides a large working space that enables the machine to apply efficient machining.

