



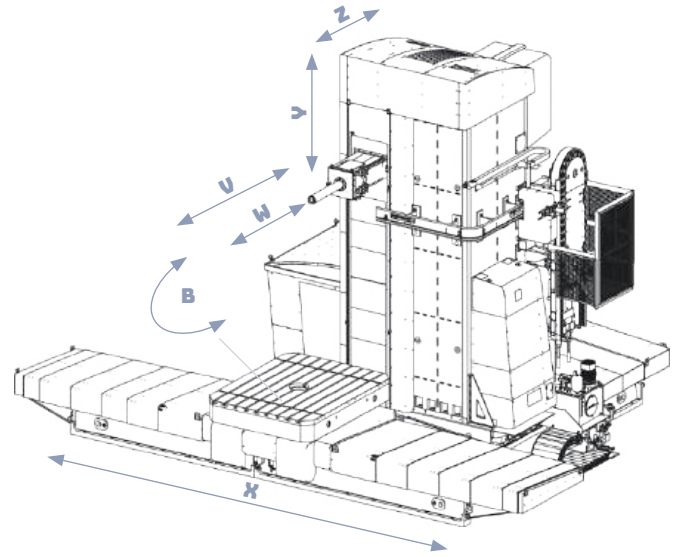
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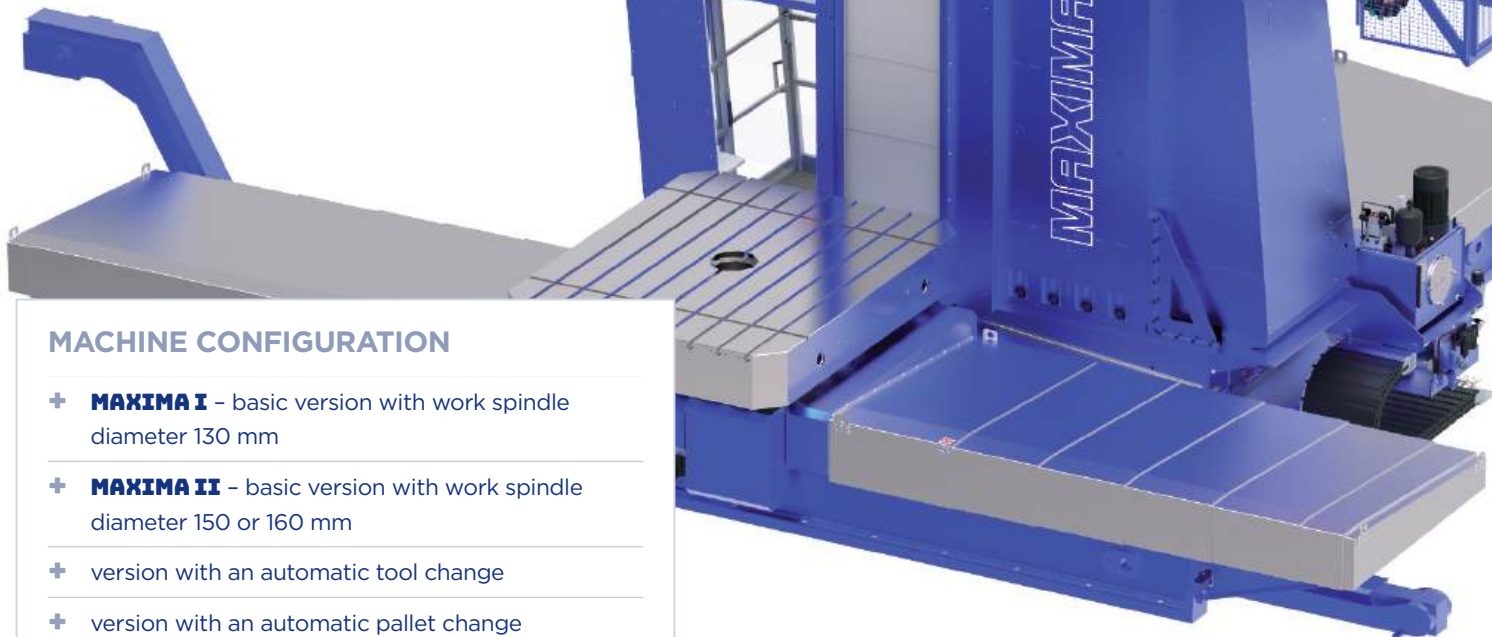
MAXIMA I/II

MAIN ADVANTAGES OF THE MACHINE

- ➔ STRONG, POWERFUL, VERTICAL TABLE BORING MACHINE
- ➔ EXTENDABLE RAM, A WIDE RANGE OF HEADS
- ➔ COMPLETE PROCESSING OF WORKPIECES UP TO 50 TONS
- ➔ HIGH RIGIDITY AND PRECISION



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 traveling RAM and a work spindle. The machine can be supplemented with a series of technological devices, which greatly extend the machines potentialities.



MACHINE CONFIGURATION

- + **MAXIMA I** - basic version with work spindle diameter 130 mm
- + **MAXIMA II** - basic version with work spindle diameter 150 or 160 mm
- + version with an automatic tool change
- + version with an automatic pallet change
- + work table with maximum load 30 tonnes or 50 tonnes

TECHNICAL PARAMETERS

MACHINE TYPE		MAXIMA I	MAXIMA II
Work spindle diameter	mm (in)	130 (5.1181)	150 (5.9055) / 160 (6.2992)
RAM size	mm (in)	450 x 450 (17.7165 x 17.7165)	
Spindle taper		ISO 50 / ISO 50 BIG+	
Spindle speed range	RPM	10-3,000	10-2,500 (2,800) / 10-2,400
Main motor power (S1 / S6 - 60%)	kW (HP)	41 (55.7) / 46 (62.5)	58 (78.9) / 65 (88.4)
Torque on spindle (S1 / S6 - 60%)	Nm (ft lb)	2,542/3,152 (1,874.9/2,324.8)	2,437/3,138 (1,797.4/2,314.5)
RAM stroke V	mm (in)	1,200 (47.2440)	
Spindle stroke W	mm (in)	700 (27.6)	800 (31.4960)
COLUMN			
Headstock vertical travel Y	mm (in)	2,500-6,000 (98.4251-236.2204) in steps of 500 mm	
Longitudinal column adjustment Z	mm (in)	1,500, 2,000, 2,500 (59.0551, 78.7401, 98.4251)	
ROTARY TABLE			
Table clamping area	mm	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	
	(in)	(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 (66,138.7) / 50,000 (110,231.1)	
Transverse table 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, Z	mm/min (ipm)	1-15,000 (0.0393-590,5511)	
	mm/min (ipm)	1-24,000 (0.0393-944.8818)	
	mm/min (ipm)	1-12,000 (0.0393-472.4409)	
	RPM	0.003-3	

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

The machine concept delivers a large working space and enables the machine to apply efficient machining.

