

MULTISPINDLE AUTOMATIC LATHES

MORI-SAY



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MORI-SAY TMZ518CNC PENTA



- ✔ **Version for machining of the bars with max. dia. 19 mm**
- ✔ **High rigidity at machining**
- ✔ **High thermal and dynamic stability**
- ✔ **Independent speeds of spindles**
- ✔ **Possibility of machine modification to the variant for machining semi-products**

MORI-SAY TMZ518CNC PENTA is the new five-spindle automatic lathe complete concept, composed of multi-spindle CNC lathe, bar loader, oil treatment system, chiller and chip conveyor.

The innovative design allows installation of machine and of all its systems in a shorter time, thanks to the electrical cabinet integrated into the base of the machine. The wide working area allows easy and operator-friendly setup, together with the VDI quick-change tooling system. Machined parts and bar remains are collected in two different containers at the back side of the machine.

TECHNICAL DATA

TMZ518CNC PENTA

Number of spindles	5
Pitch diameter of spindles	290 mm
Maximum spindle speed	8,000 rpm
Rated spindle motor power (TMZ)	3.7 kW
Max. bar stock dimension	
Round cross section with collets 9007E (SCHÜTTE)	∅ 18 mm
Round cross section with collets DAVENPORT	∅ 19 mm
Hexagonal cross section	16 mm
Max. length of bar feeding	90 mm
Idle time (drum indexing time)	0.4 s
Frontal slides axes W1 – W4	
Number	4
Max. working stroke	250 mm
Compound slides	
Number (stations I, II, III, IV, V)	5
Working stroke, X1 – Z1 axes	70 mm - 130 mm
Working stroke, X2 - Y2 – Z2 axes	70 mm - 125 mm - 130 mm
Working stroke, X3 – Z3 axes	60 mm - 90 mm
Working stroke, X4 – Y4 – Z4 axes	70 mm - 125 mm - 165 mm
Working stroke, X5 – Y5 axes	70 mm - 95 mm
Pick-Up S05	
Max. speed	6,000 rpm
Max. motor power	3.7 kW
Pick-Up W5	
Working stroke in W5 axis	390 mm
Pick-Up U5 tool slide rest	
Toll holder type, station V	∅ 12 mm / ∅ 16 mm
Number	2
Working stroke, U5 axis	105 mm
Frontal driven attachments (axes S01 to S04)	
Number	4
Max. speed	6,000 rpm
Machine dimensions	
Total machine length with bar loader (4m)	8,351 mm
Machine height	2,329 mm
Machine width	2,200 mm
Machine weight	
Stock guideways and chips disposal system	9,500 kg
	4,700 kg