

EIGHT-SPINDLE AUTOMATIC LATHE

MORI-SAY 867
TMZ **CNC**

- ▶ High accuracy at mass and series production
- ▶ High thermal stability
- ▶ 8 independent AC drives of spindles
- ▶ Altogether 33 CNC controlled axes
- ▶ 26 additional CNC controlled axes for optional equipment control
- ▶ 2 SINUMERIK 840 D control systems
- ▶ Large selection and flexibility of quick-change tool holders
- ▶ Hydraulically or pneumatically controlled auxiliary functions
- ▶ Machine conforms to the 89/392 EEC directives

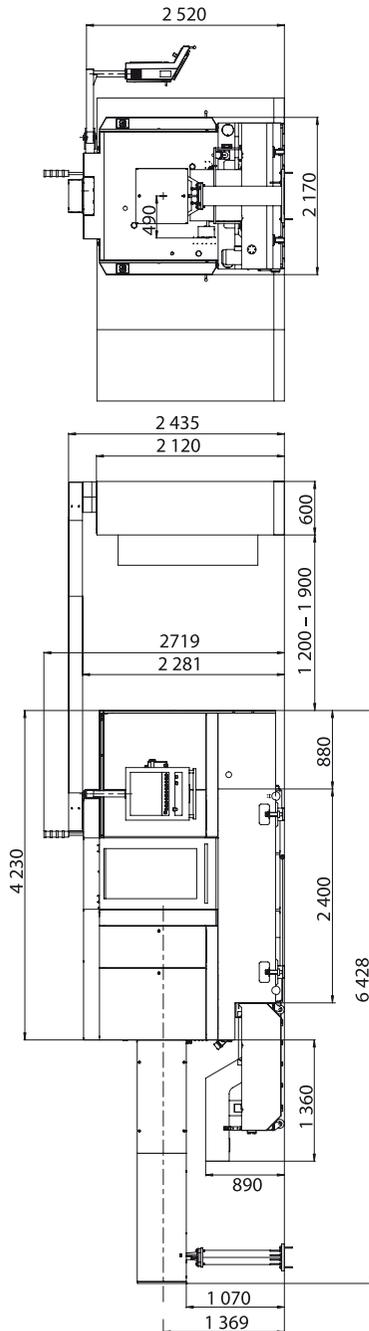
SPECIFICATIONS

STANDARD VERSION

- ▶ Arrestment of the spindle drum by a triad of rims with spur gearing
- ▶ 8 motors for spindles
- ▶ 8 longitudinal slides
- ▶ 7 compound slides
- ▶ 1 cut-off slide
- ▶ 1 axis for spindle drum indexing
- ▶ Altogether 33 CNC controlled axes and 26 additional CNC controlled axes for optional equipment control
- ▶ SIMODRIVE motors and drive systems with continuous speed control from SIEMENS firm
- ▶ Hydraulically controlled bar clamping, bar feeding and bar stop

OPTIONAL EQUIPMENT

- ▶ Pick-up spindle with CNC controlled speed and hydraulically controlled collet clamping
- ▶ Further attachments for longitudinal machining
- ▶ Attachments for profile holes
- ▶ Slide for cut-off side machining (1 tool holder)
- ▶ Attachments for radial and axial drilling and for milling operations from cut-off side
- ▶ Live tools with CNC controlled speed
- ▶ Bar stock feeding in the 5th station
- ▶ Large selection of swarf conveyor systems
- ▶ Large selection of high-pressure systems for tool cooling
- ▶ Large selection of attachments for drilling, reaming, milling, push-broaching, thread cutting and polygon machining
- ▶ Complete setting-up of machine and its acceptance in the Tajmac-ZPS



CNC OPTIONS

Drives of longitudinal rotary attachments (S01 up to S08 axes)

		max.
speed	rpm	4 500
torque	Nm	30

Slide for cut-off side machining with 1 tool holder (X8 axis)

		max.
rapid traverse	m/min	15
radial stroke	mm	90
force	N	2 900
ball screw thread pitch	mm	5

Drives of live tools (ST1 up to ST8 axes)

		max.
number at the disposal		8
speed	rpm	12 000
torque	Nm	22

Bar stock dimensions

	min.	max.
diameter	mm	67
length	m	3
length of bar feeding	mm	200

Spindles (S1 up to S8 axes)

pitch diameter of spindles	mm	480
speed	rpm	2 500
power of spindle motor	kW	20 30
total power of spindle motors	kW	160 240
nominal torque on spindle (20 kW motor)	Nm	191

Spindle drum indexing (CM1 axis)

time of indexing by 1 position	sec.	1
--------------------------------	------	---

Longitudinal slides (W1 up to W7, Z8 axes)

	max.
number	8
rapid traverse	m/min 30
force	N 10 000
stroke	mm 340
ball screw thread pitch	mm 10

Compound slides (X1 up to X7 axes, Z1 up to Z7 axes)

	max.
number	7
rapid traverse (radial and axial)	m/min 15
axial stroke (Z1 up to Z7 axes)	mm 120
axial force (Z1 up to Z7 axes)	N 3 700
radial stroke (Z1 up to Z7 axes)	mm 80
radial force (Z1 up to Z7 axes)	N 3 700
ball screw thread pitch	mm 5

Cut-off slide (U8 axis)

	max.
rapid traverse	m/min 15
force	N 2 900
stroke	mm 70
ball screw thread pitch	mm 5

Machine dimensions

length / height / width	mm	4 230x 2 170x2 520
machine weight	kg	18 000
electrical cabinet weight	kg	1 924
electrical cabinet dimensions	mm	5 000x600x2 200
volume of coolant	litres	1 400

Description, illustrations and numerical data may not always correspond with the machine latest version.

Manufacturer
TAJMAC-ZPS, a. s.
 Třída 3. května 1180
 764 87 Zlín, Malenovice
 ČESKÁ REPUBLIKA
 Tel.: +420 577 532 072
 Fax: +420 577 533 626
 www.tajmac-zps.cz
 e-mail: info@tajmac-zps.cz

Holding
TAJMAC-MTM, S. p. A.
 Via Gran Sasso 15
 20092 Cinisello Balsamo (Mi)
 ITALY
 Tel.: + 39 02 66017878
 Fax: + 39 02 66011457
 www.tajmac-mtm.it
 e-mail: tajmac@tajmac-mtm.it