Shaping of steel has always been our craft. We have managed to improve the craft further.
The TAJMAC group currently belongs to leaders in the field of machine tools manufacturing in Europe. MORI-SAY multi-spindle automatic equipment offers an extraordinary concept of machinery for economic manufacturing of parts in large batches. Complete know-how from engineering up to machinery construction and adjustment coming from a single point.

The outcome of this experience and continuous innovation is represented by the TMZ machinery series. Together with MORI-SAY TMZ867CNC, the MORI-SAY TMZ642CNC machine belongs to contemporary multi-spindle CNC machinery. Productivity, stability and flexibility make this six-spindle automatic CNC the best entry model on the market for multi-spindle automatic equipment, as far as the price-performance ratio is concerned.

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MORI-SAY

TMZ642CNC

1. Machine work space enables sufficient access for adjustment and ensures good removal of chips as well as their transport from the machine work space.

2. Two systems Siemens 840D ensure reliable control of 24 main and 20 auxiliary axes.

3. Six independent AC drives for main spindles with output of 7 kW per spindle enable reliable machining even on materials hard to machine.

The six-spindle automatic lathe MORI-SAY TMZ642CNC enables automatic machining of rotary bar parts with high productivity, as well as machining of intermediates, (mouldings, castings,…).

The machine combines advantages of high productivity provided by conventional, cam controlled multiple-spindle automatic equipment with complex CNC hardware.
ADVANTAGES

COAXIAL DRIVE

The coaxial drive of MORI-SAY TMZ642CNC offers the following advantages: Drive motors with fixed static attachments. That means these are not linked to the spindle drum. The concept enables high transfer of output from individual motors and minimum heating of the spindle drum. This purely mechanical link between the motor and spindle (contactless / brushless), enables continuous rotation of the spindle drum.

Y- SUPPORT

The machine MORI-SAY TMZ642CNC can be used with up to three auxiliary cross saddles with Y-axis. These saddles can be mounted with up to three tool holders. Optional solution comprises application of traverse machining driven tools.

DOUBLE TAKER

Auxiliary axes enable installation of two part takers. The relevant CNC cross saddles then enable complex machining on pick-up side. Optional solution comprises application of traverse machining driven tools.

MILLING OF TEETH

The TMZ machinery series offers technical prerequisites for implementation and installation of special equipment. That allows for manufacture of toothing for worm drive directly on the machine.
## TECHNICAL DATA

### MAXIMUM MATERIAL DIAMETER
- TMZ867CNC: 73 mm
- TMZ642CNC: 48 mm
- TMZ625CNC: 32 mm

### SPINDLE
- **Quantity**: 8
- Spindles pitch: 480 mm
- Max. spindle speed: 2,500 min⁻¹
- Max. output/spindle (100/40 %): 20/30 kW
- Min. idle period: 1 s

### LONGITUDINAL SADDLES
- **Quantity**: 8
- Max. fast traverse: 30 m/min
- Traverse force: 10,000 N
- Stroke: 340 mm

### CROSS SADDLES Z/X
- **Quantity**: 7
- Max. fast traverse: 15 m/min
- Axial stroke (Z): 120 mm
- Axial traverse force (Z): 3,700 N
- Radial stroke (X): 80 mm
- Radial traverse force (X): 3,700 N

### PICK-UP SADDLE
- **Max. fast traverse**: 15 m/min
- Traverse force: 2,900 N
- Stroke: 70 mm

### MACHINE DIMENSIONS
- Length (without material guide): 4,230 mm
- Width: 2,185 mm
- Height: 2,993 mm
- Weight: 17,000 kg
- Coolant volume: 1,400 l

### ELECTRIC BOX DIMENSIONS
- Length × width × height: 5,000 × 600 × 2,200 mm
- Weight: 1,924 kg

### OPTIONS

#### Y-AXIS
- In positions: 2, 3, 4, 5, 6 or 7
- Max. fast traverse: 15 m/min
- Traverse force: 2,900 N
- Stroke: 110 mm

#### PARTS TAKER
- Max. speed: 4,500 min⁻¹
- Max. torque: 30 Nm

#### MACHINING ON PICK-UP SIDE X
- Max. fast traverse: 15 m/min
- Traverse force: 2,900 N
- Stroke: 90 mm

#### MACHINING ON PICK-UP SIDE X/Y
- Max. fast traverse: 15 m/min
- Traverse force: 2,900 N
- Stroke (X): 75 mm
- Stroke (Y): 106 mm
WE ARE LOOKING FORWARD TO DIRECT CONTACT WITH YOU