

MULTISPINDLE AUTOMATIC LATHES

MORI-SAY



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MORI-SAY TMZ642CNC



- ✓ **High accuracy at mass and series production**
- ✓ **High rigidity comparable to cam-operated machines**
- ✓ **6 independent AC drives for spindles**
- ✓ **CNC control system Siemens SINUMERIC 840D sl**
- ✓ **Own technological Tmis software**
- ✓ **Possibility of machine modification to the variant for machining semi-products**

The innovative technical solution developed by our engineers and protected by provisions of law, allows to independently control the speed of each spindle and to calibrate the power of each AC spindle motor in accordance with the requirements of the specific machining operations performed by each customer.

At the same time, the absolute independence of each spindle makes it possible to perform any type of machining, including machining operations requiring spindle stopping or C-axis spindle orienting, thus making of the TMZ a real and complete turning and milling centre.

TECHNICAL DATA

TMZ642CNC

| | |
|----------------------------|-----------|
| Number of spindles | 6 |
| Pitch diameter of spindles | 340 mm |
| Max. speed | 5,000 rpm |
| Nominal power output | 7 kW |

Max. bar stock capacity

| | |
|----------------------------|---------|
| Round cross section | ∅ 42 mm |
| Hexagonal cross section | 36 mm |
| Max. length of bar feeding | 180 mm |

Max. bar capacity (with automatic bar loader)

| | |
|--|-------|
| For HAINBUCH SK52BZI clamping collets | 48 mm |
| For SCHÜTTE clamping collets 42 type 9112E | 45 mm |
| For SCHÜTTE clamping collets 32 type 9070E | 37 mm |

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|------------------|-----------|
| Idle time | 0.7 - 1 s |
|------------------|-----------|

Frontal slides (axes W1 to W6)

| | |
|-------------|--------|
| Number | 6 |
| Max. stroke | 360 mm |

Compound slides (axes X1 to X5 and Z1 to Z5)

| | |
|-------------------------------------|--------|
| Number (stations I, II, III, IV, V) | 5 |
| Axial stroke (axes Z1 to Z2) | 160 mm |
| Axial stroke (axes Z3 to Z5) | 120 mm |
| Radial stroke (axes X1 to X5) | 80 mm |

Cut-off slide (standard axis X6)

| | |
|--------|-------|
| Stroke | 66 mm |
|--------|-------|

Frontal driven attachments (axes S01 to S06)

| | |
|------------|-----------|
| Number | 6 |
| Max. speed | 6,000 rpm |

Machine dimensions

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|--|----------|
| Machine total length with bar stock guide and without electric cabinet | 7,142 mm |
| Machine total length without bar stock guide and electric cabinet | 4,296 mm |
| Machine height | 2,771 mm |
| Machine width | 2,024 mm |

| | |
|-----------------------|-----------|
| Machine weight | 10,750 kg |
|-----------------------|-----------|

| | |
|-----------------------------|------------------------|
| Electric cabinet weight | 1,000 kg |
| Electric cabinet dimensions | 3,400 x 2,260 x 600 mm |