

TURNING AND MILLING CENTER HARDINGE SUPER PRECISION T65



TECHNICAL DATA

CNC Fanuc 31i

TURNING SWING DIAMETER

Over guide cover: 673 mm

WORKING AREA

Chuck size: 250 mm
Bar capacity: 65 mm
Maximum turning diameter: 313,7 mm
Maximum turning length: 520,7 mm

MAIN SPINDLE

Maximum spindle speed: 4.000 rpm
Maximum motor power: 26 kW
Maximum torque: 421 Nm
Base spindle speed: 590 rpm
Spindle nose: A2-6 / 25C

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|---------------------------|--------|
| Spindle bore: | 75 mm |
| Maximum 3-jaw chuck size: | 250 mm |
| Spindle orientation: | 1° |

SUB-SPINDLE

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|--|------------|
| Maximum spindle speed: | 5.000 rpm |
| Maximum torque: | 347 Nm |
| Base spindle speed: | 420 rpm |
| Maximum motor power: | 11 kW |
| Spindle nose: | A2-6 / 20C |
| Chuck size: | 200 mm |
| Bar capacity: | 51 mm |
| Spindle bore: | 60,4 mm |
| Spindle orientation: | 1° |
| Maximum stroke: | 638 mm |
| Maximum rapid traverse: | 38 m/min |
| Maximum distance between sub-spindle and main spindle: | 654,1 mm |

COOLANT SYSTEM

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|---------------------------------------|-----------|
| Tank capacity: | 254 L |
| Maximum pressure: | 13,8 bar |
| High-pressure coolant through turret: | 68,95 bar |

ADDITIONAL FEATURES

| | |
|-----------------|------------|
| Resolution: | 0,0001 mm |
| Machine length: | 3.257 mm |
| Machine depth: | 2.312.4 mm |
| Machine height: | 2.123 mm |
| Machine weight: | 8.118 kg |

Machine equipped with:

- SUPER-PRECISION® certification
- Air blast on main spindle
- 20C collet spindle
- Custom Macro B programming
- Reinforced HARCRETE® machine base
- Grease lubrication on all axes
- Optical scales on X, Y and Z axes
- 12-bar through-tool coolant system
- Parts counter and operating hours counter
- Axis resolution: 0.00010 mm
- Maintenance kit
- Manual Guide i (programming system)
- Rigid tapping (without compensation holder)
- Laser measurement system with Renishaw ball probe
- Live tooling, Y-axis and 20C sub-spindle option

Configuration includes:

- Sub-spindle
- 12-station BMT-55 tool turret with live tooling drive
- C-axis on both main spindle and sub-spindle
- Y-axis
- Optical scale on Y-axis
- Ready To Cut option (Warm-up Cycle – Automatic Start)
- MARPOSS workpiece probe for BMT-55
- MARPOSS tool setter
- Workpiece presence detection in the sub-spindle
- Chip conveyor – discharge on the right-hand side of the machine (interface included)
- High-pressure coolant system
- Spindle reduction sleeve kit
- Operating and maintenance manuals and CE Declaration of Conformity

Year of manufacturing: 2018