

Technical Data Sheet

Horizontal CNC Machining Center · OKUMA MA-600HII

Reference No.: 24180

Machine type	Horizontal machining center
Make	OKUMA
Model	MA-600HII
Quantity	1 off
Year of manufacture	2021
Control	OKUMA OSP-P300MA
Condition	as new, only 438 spindle hours

Equipment

- OSP suite (numerous apps for easier and faster operation)
- ECO suite (extensive energy-saving functions)
- Ambient-temperature-controlled spindle head cooling system
- Coolant shower in the working area
- Shower cooling system in the working area (additional cooling/cleaning of workpieces)
- Hand shower for cleaning workpieces, fixtures and working area
- Ball screw cooling on the X- and Z-axis
- Double ball screw on the Y-axis, bearing and motor flange cooled
- Integrated hinge belt conveyor from the working area
- Integrated screw conveyor
- Coolant supply through the spindle, 15 bar / 20 l/min
- Air supply through the spindle during spindle rotation, nozzle at the spindle nose
- HD pump set, 70 bar version
- Mayfran Consep 2000 II coolant cleaning system (filtration grade approx. 25 microns, clean water tank approx. 1,100 l, discharge to the right)
- Tool breakage control and tool length measurement via mechanical touch sensor
- In-process measuring with RENISHAW probe (OMP60)
- Hi-Cut Pro: control of acceleration behavior when changing feed direction
- ServoNavi: adjustment of servo parameters to workpiece weight and machine condition
- Thermal compensation of the spindle (TAS-S) and of the structural assembly (TAS-C)
- Synchronized tapping up to max. spindle speed, helical interpolation (thread milling)
- Spindle load monitoring for drilling and tapping
- Corner rounding and chamfering
- 100 workpiece zero points, 999 tool length/radius corrections, 8-digit tool numbers
- Part program memory 4 GB, automatic memory 2 MB
- Removable electronic handwheel
- 2 USB interfaces, Ethernet network interface for program transfer

Technical Data

Travels

X-axis	1,000 mm
Y-axis	900 mm
Z-axis	1,000 mm
Rapid traverse X/Y/Z	60 m/min

Working envelope

Spindle center to table surface	50–950 mm
Spindle nose to table center	70–1,070 mm

Main spindle

Taper	SK50 / ISO 50, BIG-PLUS
Drive power	30 kW
Max. speed	6,000 rpm
Max. torque	606 Nm

NC rotary table (B-axis)

Design	full 4th axis
Positions	360,000
Smallest input increment	0.001°

Tool changer

Magazine capacity	60 (ISO 50 / BIG-PLUS, single-chain design, variable pocket coding)
Max. tool diameter	140 mm
Max. tool diameter (adjacent pockets empty)	240 mm
Max. tool length	450 mm
Max. tool weight	25 kg

Pallet changer

Design	2-station rotary pallet changer (NC axis)
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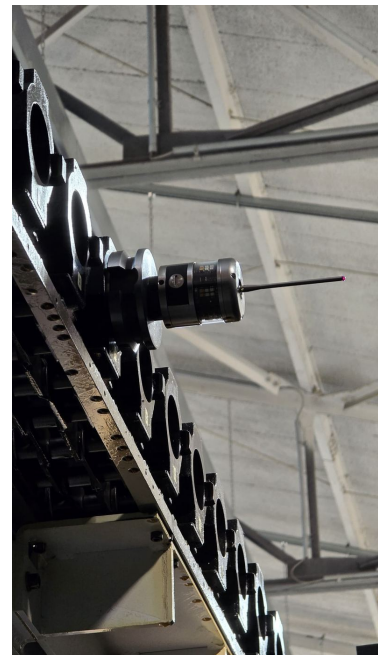
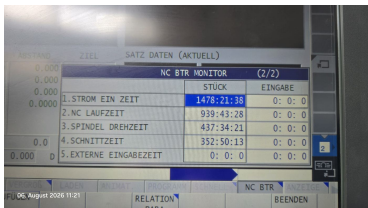
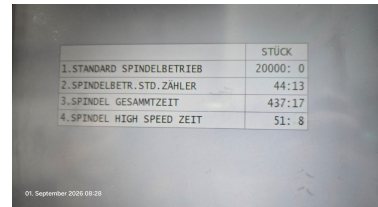
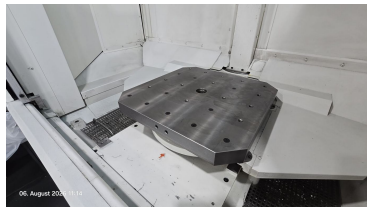
Control

Type	OKUMA OSP-P300MA
Screen	15" color LCD TFT (1024x768), 3D color graphics, multi-touch screen
Operating system	Parallel-running Windows operating system, open for Windows applications

Operating hours / Condition

Power-on time	approx. 1,478 h
Spindle running time	approx. 438 h

Photos



All information is provided without engagement. Errors and omissions excepted; subject to change.