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Product Brochure For Z24022

Multi Tasking CNC Turning Centres - PUMA SMX 2600S - Multi Tasking Sub Spindle CNC Turning Centre



ORDER CODE:	Z24022
MODEL:	PUMA SMX2600S
Swing (mm):	660
Max Turning Diameter (mm):	660
Machining Length (mm):	1540
Chuck Diameter (mm):	255
Bar Diameter Capacity (mm):	81
Turning Spindle Speed (rpm):	4000
Turning Spindle Power (kW):	30
Milling Spindle Taper:	Capto C6
Milling Spindle Speed (rpm):	12000
Milling Spindle Power (kW):	26
Milling Spindle Travel (deg):	240 (±120)
Y Axis Travel (mm):	300 (±150)
Auto Tool Change (No.):	80
Guideways:	Roller LMG
Control:	Fanuc 31i--B5 – CUFOS
Programming:	
C Axis Resolution (deg):	
Sub Spindle:	
Lower Turret:	~

Description

The PUMA SMX series is a next-generation multi-tasking turning centre designed for high productivity and precision. By integrating multiple machine functionalities into one system, it streamlines operations, reducing machining time and complexity.
Engineered for accuracy, the PUMA SMX series minimises thermal deformation with advanced thermal compensation sensors, ensuring exceptional precision. Its ergonomic design enhances operator convenience, while efficient maintenance keeps downtime to a minimum.

Features

- Perfect combination of three high-performance spindles to ensure machining stability, while operating under various cutting conditions.
- All units are combined in an orthogonal direction to create a highly rigid structure that is intuitive and stable for users and guarantees stable performance under any processing conditions.
- Powerful and fast machining capability across turning, milling, drilling, tapping and other multi-tasking operations ensures higher productivity and efficiency.
- Minimised thermal deformation of the spindle and feed axis using oil cooler system
- Adoption of roller LM guideways with high-rigidity and high precision
- Equipped with 0.0001° B-axis and C-axis accuracy control functions
- Front located tool magazine
- Side-to-side movable swivelling Operation panel with adjustable Height (SMX 2100 : Swivelling & height adjustment possible)
- Convenient ATC-magazine operation panel

Includes

- Fanuc 31i-B5 – CUFOS - 5 Axis Simultaneous CNC Control with 19” Touchscreen iHMi
- Max Machining Diametre: 660mm
- Max Turning Length: 1540mm
- Swing Over Bed: 660mm
- Travel Y Axis: 300mm (±150mm)
- Travel B Axis: 240° (±120°)
- Machine Weight: 16,200kg
- Chuck Size (Left & Right): 255mm
- Bar Working Diameter: 81mm
- Power Transmission: Built in Motor
- Turning Spindle Power (Left & Right): 30kW
- Turning Spindle Torque (Left & Right): 724Nm
- Turning Spindle Speed (Left & Right): 4000RPM

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- Milling Spindle Taper: Capto C6
- Milling Spindle Power: 26kW
- Max Milling Spindle Speed: 12000RPM
- Milling Spindle Torque: 124Nm
- Milling Spindle Indexing: 360° @ 15° Clamping Increments
- B Axis Drive: Servo Motor & Roller Gear Cam
- ATC Capacity: 80 Tools
- Max Tool Diameter Continuous: 90mm (130mm possible)
- Max Tool Length: 450mm (From Gauge Line)
- Through Spindle Coolant: 30Bar
- Coolant Gun
- Spindle Oil Cooler (Turning and Milling Spindles)
- X Axis Ball Screw Cooling
- Auto Tool Setter + Renishaw RMP60 Spindle Probe
- Bar Feed Interface
- Parts Unloader and Conveyor + Sub Spindle Work Ejector
- Chip Conveyor Hinged Belt Type
- IKC Software for Multitasking

Doosan Machine Tools changes its name to DN SOLUTIONS
MACHINE GREATNESS

Specific Features













