05 / CNC MACHINE SERIES

CP-Series Power Turret Lathes

Models: CP-52P

A power turret lathe is the machine you buy when the cut is heavy and the part is hard. The turret indexes under servo control, the base is cast in resin sand, and the spindle is supported by precision bearings — three things that decide whether the machine still holds size after a thousand parts.

AT A GLANCE

- Resin-sand cast base — heavy cuts without deformation
- High-precision spindle and bearings
- Servo turret, fast and accurate indexing
- Repeat positioning ±0.003 mm

SPECIFICATIONS

Specification	CP-52P
Max. swing over turret	Ø450 mm
Max. bar diameter	Ø52 mm
Spindle through hole	Ø66 mm (material through Ø52 mm)
Spindle type	A2-6
Spindle taper	MT-5
Max. spindle speed	4,000 rpm
Spindle motor power	11 kW
X / Z rapid traverse	24 m/min
X / Z servo motor power	2.4 kW
Chuck and rotary cylinder	8 inch
Repeat positioning accuracy (X / Z)	±0.003 mm
Positioning accuracy (X / Z)	±0.003 mm

WHERE IT WINS

- Hardened shafts and pins turned after heat treatment
- Hydraulic and pneumatic fittings with heavy wall sections
- Parts with a large depth of cut and a tight roundness requirement
- Volume work where tool-change time is part of the cost

STANDARD FEATURES

- Base cast in resin sand: strong shock resistance, minimal machine deformation, accuracy and stability retained during heavy cutting
- Spindle motor is a variable-frequency motor — speed changed in real time
- High-precision spindle on high-precision bearings, particularly suited to high-hardness and heavy-cut parts
- Large-stroke tailstock with stable speed and stable thrust; the slide runs on precision-grade ball screws

Shipping FOB Shenzhen (Yantian / Shekou) · 60% deposit, balance before shipment · approx. 45 days from order · 12-month warranty · test cut and inspection at our plant before dispatch. Specifications are drawn from the published series data and may be adjusted to your part; confirm on the quotation.