04 / CNC MACHINE SERIES

CK-Series Turn-Mill Centers

Models: CK-52YD

A turn-mill center puts a lathe and a small machining center on one bed. Parts that are mostly round but carry flats, cross holes or milled slots come off complete, without a second clamping and without the runout that comes with it.

AT A GLANCE

- Turning and polygon milling in one setup
- Ø52 mm bar capacity, A2-6 spindle, 17 kW
- Imported roller linear rails and ball screws
- 3- to 8-sided forms cut on the same spindle

SPECIFICATIONS

Specification	CK-52YD
Spindle speed range	0–4,000 rpm
Spindle through hole	Ø66 mm
Bar capacity (drawn tube)	Ø52 mm
Spindle type	A2-6
Max. swing over bed	Ø500 mm (depends on turret)
Max. turning diameter	Ø270 mm
X-axis travel	260 mm
Z-axis travel	600 mm
Rapid traverse (X / Y / Z)	25 / 15 / 25 m/min
Spindle motor power	17 kW
Power head motor	2.3 kW
Tool stations	12 / 15

WHERE IT WINS

- Shafts, piston rods and valve stems with flats or cross holes
- Fasteners and fittings that need a milled port on a turned body
- Brass, copper and aluminium electrical parts with multi-sided heads
- Batch work where a second setup would double the handling

STANDARD FEATURES

- Turning and multi-sided forming combined on one machine — outer diameter turning, drilling, parting and polygon turning in one cycle, with high concentricity and one machine doing several jobs
- Bed and bed foot cast as one piece, finished by sanding, with imported roller linear rails and ball screws: good shock resistance and strong cutting force
- Spindle positioning set per product, so any polygon can be cut — three-, four-, five-, six-, seven-sided and irregular forms in one cycle
- With the polygon function switched off, the same machine runs as a high-precision CNC lathe

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.