



shandong lu young machinery co.,ltd
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TCK630 Metal Turning Centers Milling And Boring Lathes Slant Bed Cnc 3000rpm 3500rpm

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: Luyoung
- Certification: CE
- Model Number: TCK630x1000
- Minimum Order Quantity: 1
- Price: USD28000-40000
- Packaging Details: Fumigation-free plywood
- Delivery Time: 45 working days
- Supply Ability: 100sets

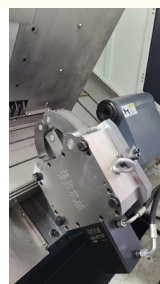


Product Specification

- Highlight: slant bed cnc 3000rpm, slant bed cnc 3500rpm, TCK630 metal turning centers



More Images



Product Description

Slant bed machine TCK630 metal turning centers milling and boring lathes 3000/3500rpm



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Model	TCK40	TCK50	TCK56*750(Servo turret)	TCK56*750(with Y axis)	TCK63*750	TCK63*1000
Max. swing diameter over bed(mm)	Φ450	Φ550	Φ560	Φ650	Φ650	Φ630
Max. cutting diameter(mm)	Φ120	Φ440	Φ540	Φ540	Φ540	Φ460
Max.cutting length(mm)	335	Φ450	580	540	540	1000
X axis travel(mm)	900	250	280	280	280	340
Z axis travel(mm)	335	500	750/1000	750/1000	750	1000
X/Z axis movement speed(mm/min)	24000	24000	24000	24000	24000	24000
Handwheel(mm)	0.001/0.01/0.1	0.001/0.01/0.1	0.001/0.01/0.1	0.001/0.01/0.1	0.001/0.01/0.1	0.001/0.01/0.1
X,Z axis feed speed(mm/min)	0~5000	0~5000	0~5000	0~5000	0~5000	0~5000
X,Z axis manual feed speed(mm/min)	0~1260	0~1260	0~1260	0~1260	0~1260	0~1260
X/Z axis repositioning accuracy(mm)	0.005/0.006	0.005/0.006	0.005/0.006	0.005/0.006	0.005/0.006	0.005/0.006
X/Z axis positional accuracy(mm)	0.01/0.015	0.01/0.015	0.01/0.015	0.01/0.015	0.01/0.015	0.01/0.015
Max spindle speed (rpm)	4,500	3500	3500	3500	10-3000	35-3000
Max. spindle torque (N.m)	35	48	72	72	72	72

Spindle taper	A2-5(optional A2-6)	A2-6	A2-6	A2-6	A2-8	A2-8
Spindle bore (mm)	Φ52	Φ66	Φ66	Φ66	Φ87	Φ87
Bar through-hole(mm)	Φ40	Φ50	Φ52	Φ52	Φ75	Φ75
hydraulic chuck	6" (Optional 8")	10" (Optional 2")	8" (Optional 10")	8" (Optional 10")	8" (Optional 10")	10" (Optional 12")
Turret type	Gang type tool holder	Hydraulic turret	Hydraulic turret	living turret	Hydraulic turret	Hydraulic turret
Number of tool holder	/	12	12	12	12	12
Tool change times(s)	/	0.25	0.25	0.25	0.25	0.25
Tool mounting dimension(mm)	20×20	25×25	25×25	25×25	25×25	25×25
Boring tool holder mounting diameter(mm)	Φ25	Φ32	Φ32	Φ32	Φ32	Φ40
Tailstock travel (mm)	/	480	480	480	480	1130
Center taper	/	MT-5#	MT-5#	MT-5#	MT-5#	MT-5#
Main motor power(kW)	5.5	7.5	11	11	11	11
Main motor torque (N.m)	35	48	72	72	72	72
X/Z axis feed motor Power (kw)	1.5	2.3	2.3	2.3	2.3	2.3
X/Z axis feed motor torque (N.m)	6	15	15	15	15	15
Coolant capacity (L)	200	200	200	200	200	200
Motor type (1HP) (kw)	0.125	0.18	0.18	0.18	0.18	0.18
L×W×H(mm)	2100*1450*1850	2697*1795*1860	3400/3600/×2060×2100	3400/3600/×2060×2100	3400×2060×2100	3650*1870*2100
Machine weight (kg)	1600	3600	4200/4500	4200/4500	4200/4500	5700

Specifications:

The TCK630 Turn-Mill Compound Lathe is a powerful and precise CNC machine that combines turning and milling technologies, allowing it to complete complex part machining in a single setup. Here are the main features and characteristics of the TCK630 Turn-Mill Compound Lathe:

Multi-axis Linkage and High Precision Spindle: It comes with a multi-axis control system for precise machining of complex surfaces. The spindle boasts high precision and rigidity to meet stringent turning and milling requirements.

Sliding Saddle and Toolholder: The sliding saddle and toolholder are precisely designed with high wear resistance to maintain accuracy during machining processes.

Versatile Attachments: Including power heads and turret tool holders, adaptable to various machining tasks.

Processing Capabilities: Light in design, suitable for machining smaller to medium-sized components.

Power and Number of Axes: Equipped with an 11kW spindle motor, single spindle, typically featuring 4-axis linkage.

Travel Ranges: X-axis travel of 250 mm and Z-axis travel of 750 mm, providing ample workspace.

Positioning Accuracy: Achieves up to 0.01 mm in positioning accuracy, ensuring high-precision machining.

Structure and Protection: Fully enclosed for protection, the machine body is made using resin sand casting for high rigidity and stability.

Lubrication and Chip Management: The spindle utilizes high-grade lubricating grease for improved precision and lifespan; an advanced chip conveyor system maintains machine rigidity and supports automatic chip disposal.

Control System and Layout: A dual-channel control system with a dual tool post structure, enabling two tools to work simultaneously, enhancing efficiency.

Suitable Industries: Ideal for the valve and hub industries, allowing one-clamping completion of turning and drilling operations.

Other Specifications: Including tool post capacity (12 or 8 stations), weight (4800 kg), warranty (1 year), guide rail width (400 mm), dimensions (3170*1200*1800 mm), brand (Lu Young), voltage (380V), and CNC system.

The TCK630 Turn-Mill Compound Lathe, due to its high efficiency and precision, is widely employed in manufacturing sectors that demand high precision and productivity.

Optional configuration:

Cnc control sytem: GSK/FANUC/SYNTEC/SIMEMENS

Auto bar feeder:

Workpiece catcher

Raw material puller

Hydraulic steady rest



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