



shandong lu young machinery co.,ltd
luyoungcncmachines.com



TCK46P Slant Bed Lathe Hydraulic Chuck Servo Turret Lathe Machine 550mm Swing

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Luyoung
- Certification: CE
- Model Number: TCK46P
- Minimum Order Quantity: 1
- Price: USD18000-USD30000
- Packaging Details: Fumigation-free plywood
- Delivery Time: 45 working days
- Payment Terms: L/C, T/T
- Supply Ability: 100sets



Product Specification

- Highlight: TCK46P Slant Bed Lathe 550mm Swings,
TCK46P Slant Bed Lathe Servo 550mm Swings,
TCK46P Slants Bed Lathe Turret 550mm Swings



for more products please visit us on luyoungcncmachines.com

Product Description

TCK46P slant bed machine hydraulic chuck and turret servo turret



Specifications:

Model	TCK40	TCK46P
Max. swing diameter over bed(mm)	Φ450	Φ550
Max. cutting diameter(mm)	Φ120	Φ440
Max. cutting length(mm)	335	Φ450
X axis travel(mm)	900	250
Z axis travel(mm)	335	500
X/Z axis movement speed(mm/min)	24000	24000
Handwheel(mm)	0.001/0.01/0.1	0.001/0.01/0.1
X,Z axis feed speed(mm/min)	0~5000	0~5000
X,Z axis manual feed speed(mm/min)	0~1260	0~1260
X/Z axis repositioning accuracy(mm)	0.005/0.006	0.005/0.006
X/Z axis positional accuracy(mm)	0.01/0.015	0.01/0.015
Max spindle speed (rpm)	4,500	3500
Max. spindle torque (N.m)	35	48
Spindle taper	A2-5(optional A2-6)	A2-6
Spindle bore (mm)	Φ52	Φ66
Bar through-hole(mm)	Φ40	Φ50
hydraulic chuck	6" (Optional 8")	10" (Optional 12")
Turret type	Gang type tool holder	Hydraulic turret
Number of tool holder	/	12
Tool change times(s)	/	0.25
Tool mounting dimension(mm)	20×20	25×25

Boring tool holder mounting diameter(mm)	Φ25	Φ32
Tailstock travel (mm)	/	480
Center taper	/	MT-5#
Main motor power(kW)	5.5	7.5
Main motor torque (N.m)	35	48
X/Z axis feed motor Power (kw)	1.5	2.3
X/Z axis feed motor torque (N.m)	6	15
Coolant capacity (L)	200	200
Motor type (1HP) (kw)	0.125	0.18
L×W×H(mm)	2100*1450*1850	2697*1795*1860
Machine weight (kg)	1600	3600

Features:

Advantages of TCK46P Slant Bed CNC Lathe

The TCK46P slant bed CNC lathe offers several key advantages:

1. High Rigidity and Reliability

The slant bed design provides a larger cross-section, enhancing resistance to bending and torsion.

The integral cast bed and 45° inclined guideway layout deliver excellent rigidity and vibration absorption, ensuring high-precision machining.

2. Improved Space Utilization and Production Efficiency

The slant bed design effectively utilizes indoor space, significantly reducing the machine's footprint.

The linear rolling guideways meet the requirements for high-speed and efficient operation, reducing friction resistance and thermal deformation, thus improving machining accuracy.

A centralized control panel makes machine operation simple and precise.

3. Enhanced Machining Accuracy and Stability

The slant bed CNC lathe features fully enclosed guideway protection, with a separate cooling tank and chip removal system, ensuring that machining accuracy is not affected by thermal cutting.

The use of high-quality ball screws ensures high precision and stability.

It meets the high-precision machining requirements for both single-piece and batch production.

4. Additional Advantages

Fully enclosed design with stainless steel protective covers for the X and Z axes, and a stainless steel shield for the Y axis, providing excellent protection against chips.

Dual-spiral chip removal and liquid filtration, along with imported water pumps, offer superior cooling and chip removal performance.

In summary, the TCK46P slant bed CNC lathe, with its high rigidity, efficiency, and precision, is widely used for high-precision machining of both single parts and batch products.



shandong lu young machinery co.,ltd



86 18660852746



sales@luyoungmachinery.com



luyoungcncmachines.com

Room 1061, Building A, Guoshan Center, Taiqian Street, Taishan District, Taian City, Shandong Province