



TCK560 Metal Slant Bed CNC Lathe Machine Automatic High Precision

Our Product Introduction

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Basic Information

- Place of Origin: CHINA
- Brand Name: BAISHUN
- Certification: ISO
- Model Number: TCK550
- Minimum Order Quantity: 1 Set
- Price: Negotiable
- Packaging Details: Export standard wooden case package
- Delivery Time: 30-35 work days
- Payment Terms: L/C, T/T, Western Union
- Supply Ability: 50 Set per Month



Product Specification

- Max. Spindle Speed: Slant Bed CNC Lathe Machine
- Max. Rotating Diameter Over Bed: 540mm
- Max. Turning Diameter Over Slide: 270mm
- Max. Processing Length: 700mm
- Positioning Accuracy: $\pm 0.016\text{mm}$
- X Travel: 220mm
- Z Travle: 750mm
- Applicable Industries: Metal Working
- Tailstock: Manual
- Power: 7.5kw
- Machine Weight: 3800mm
- Package: Export Standard Wooden Case
- Highlight: **Metal Slant Bed CNC lathe Machine, TCK560, CNC lathe Machine Automatic**



More Images



Product Description

TCK550 CNC Lathe Automatic High Precision Metal Slant Bed CNC lathe Machine

TCK550 series CNC horizontal lathe is a high-quality product designed and produced in accordance with the market and development needs based on the experience of our factory in designing horizontal CNC horizontal lathes for many years. The maximum machining diameter of the machine tool is $\phi 380\text{mm}$, and the maximum machining length is 315mm. The newly designed mainframe structure and reliable assembly process make the TCKseries machine tools fully upgraded. With stable and reliable product performance and innovative ergonomic design, the TCK series It will undoubtedly become a leader in the industry. This machine tool can process shaft and disc parts, turn threads, arcs, cones, and inner and outer surfaces of revolving bodies. In the design, the rigidity of the main shaft, bed, tailstock and other components is reasonably matched, which greatly improves the rigidity of the whole machine and ensures the stability during heavy cutting. Therefore, the machining accuracy of the outer circle of this machine tool can reach IT6~IT7 level. As a general-purpose machine tool, it is especially suitable for high-efficiency, large-scale, and high-precision machining of rotating body parts in industries such as automobiles, motors, bearings, and hydraulics.

Product Parameters

MAIN TECHNICAL DATA		Unit	TCK550	TCK40-750	TCK40-1000
The scope of work	Maximum rotating diameter on the bed	mm	$\phi 540$	$\phi 540$	$\phi 540$
	Maximum turning diameter on the slide	mm	$\phi 270$	$\phi 270$	$\phi 270$
	Maximum processing diameter	mm	$\phi 400$	$\phi 400$	$\phi 400$
	Maximum processing length	mm	700	700	900
Spindle	Maximum spindle speed	r/min	4000	4000	4000
	Spindle runout	mm	0.008/300	0.008/300	0.008/300
	Spindle through hole diameter	mm	$\phi 65$	$\phi 65$	$\phi 65$
	Bar capacity	mm	$\phi 48$	$\phi 48$	$\phi 48$
	Hydraulic chuck	inch	8	8	8
	Spindle motor power	kw	7.5	7.5	7.5
stroke	X-axis travel	mm	220	220	220
	Z-axis travel	mm	750	750	1000
Feed	X axis fast moving	m/min	20	20	20
	Z axis fast moving	m/min	20	20	20
	Cutting feed	mm/min	1-6000	1-6000	1-6000
Tail stock	Tail stock stroke	mm	550/manual	550/manual	800/manual
	Tail stock sleeve stroke	mm	120/ hydraulic/manual		
Guide	Bed rail tilt angle	Deg.	30	30	30
	Type		Liner guideway	Liner guideway	Liner guideway
Precision	positioning accuracy	mm	0.016	0.016	0.016
	Repeatability	mm	0.008	0.008	0.008
Other	Machine weight	kg	3800	3800	4200
	Dimensions	mm	2920x1680x2070	2920x1680x2070	3200x1680x2070

Machine pictures:



CNC SYSTEM



SYNTEC 22MA

FANUC

SIEMENS

HNC808DM

Main Configuration



8-station servo hydraulic tool



A2-5 5000 rpm spindle



KND Control system



Hydraulic chuck



Ball screw and line track



A convex and a flat tailstock design

Assembly Process and Quality Control



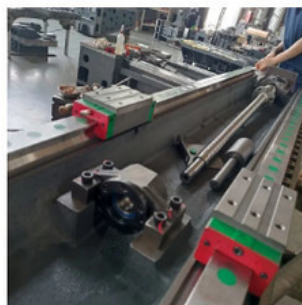
Each contact surface of the workpiece is manually scraped to ensure the precision of the machine.



Line guide rail installation, using code meter accuracy test.



Installation details of inclined track



Screw installation process



Screw installation process



Electrical system configuration box





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