Metal Cutting Automatic Alloy Wheel Slant Bed CNC Lathe Machine TCK550

Our Product Introduction

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: Alloy Wheel Slant Bed CNC Lathe Machine
- Max. Rotating Diameter Over Bed: 540mm
- Max. Turning Diameter Over Slide: 270mm
- Max. Processing Length: 700mm
- Positioning Accuracy: ±0.016mm
- X Travel: 220mm
- Z Travle: 750mm
- Applicable Industries: Metal Working Plant
- Tailstock: Manually
- Power: 7.5kw
- Machine Weight: 3800mm
- Package: Customized
- Highlight: **Wheel Slant Bed CNC Lathe Machine**, **TCK550**, **Slant Bed CNC Lathe Machine TCK550**

More Images

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Product Description

High Precision Metal Cutting Automatic Alloy Wheel Slant Bed CNC Lathe Machine

TCK series CNC horizontal slant bed lathe machine 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. This machine tool has a maximum diameter of φ360mm and a maximum length of 500mm for machining. We have upgraded the TCK50 series machines with a newly designed mainframe structure and a reliable assembly process. With its stable performance and innovative ergonomic design, the TCK50 series will undoubtedly become an industry leader. This lathe can handle shafts, discs, threads, arcs, cones, and both inner and outer surfaces of rotating objects. We have carefully matched the rigidity of the main spindle, bed, and tailstock to greatly improve the overall stability during heavy cutting. As a result, the machining accuracy of the outer circular surface can reach IT6 to IT7 level. This versatile machine tool is especially suitable for efficient, large-scale, and high-precision machining of rotating parts in industries such as automotive, electrical, bearing, and hydraulic.

Product Parameters

MAIN TECHNICAL DATA		Unit	TCK550	TCK40-750	TCK40-1000
The scope of work	Maximum rotating diameter on the bed	mm	∅540	∅540	∅540
	Maximum turning diameter on the slide	mm	∅270	∅270	∅270
	Maximum processing diameter	mm	∅400	∅400	∅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	∅65	∅65	∅65
	Bar capacity	mm	∅48	∅48	∅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

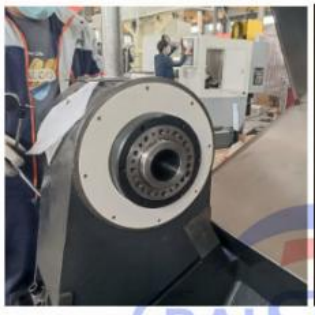
Machine pictures:

CNC SYSTEM

SYNTEC 22MA FANUC SIEMENS HNC808DM

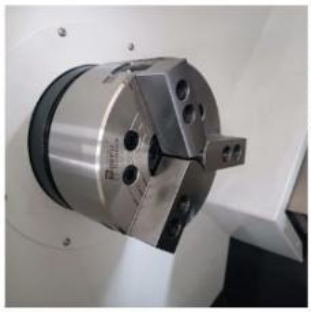
Main Configuration

8-station servo hydraulic tool



A2-5 5000 rpm spindle

KND Control system



Hydraulic chuck

Ball screw and line track

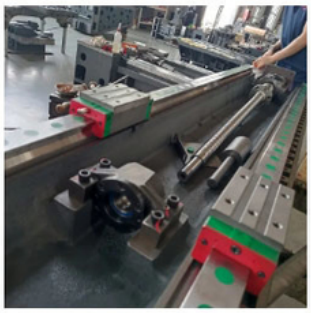
A convex and a flat tailstock design

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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