



## Small Cnc Lathe Slant Bed Machining Center For Metal Working

Our Product Introduction

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### Basic Information

- Place of Origin: CHINA
- Brand Name: BAISHUN
- Certification: ISO
- Model Number: TCK40
- 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 For Metal Working
- Max. Rotating Diameter Over Bed: 540mm
- Max. Processing Length: 900mm
- X Travel: 220mm
- Z Travle: 1000mm
- Applicable Industries: Metal Working
- Precision: High Precision
- Key Words: Slant Bed CNC Lathe Machine
- Color: Customized
- Package: Export Standard Wooden Case
- Highlight: **cnc lathe slant bed, slant lathe, small cnc slant bed lathe**



### More Images



## Product Description

### Machining Center CNC Lathe Slant Bed CNC Lathe Machine For Metal Working

#### Description

The Slant Bed CNC lathe Machine is a high-quality product that we designed and built based on the market demand and our factory's extensive experience in making horizontal CNC lathes for many years. It is built with a sturdy box structure bed made of high-strength Mhanna cast iron. Its compact and robust design ensures appropriate hardness, low friction coefficient, and self-lubrication. The integral box structure of the base bed greatly enhances the rigidity and stability of the entire machine tool. It also has vibration absorption capabilities, reducing tool loss and improving workpiece quality. With its great cost-performance ratio, compact layout, high speed, precision, rigidity, and various configuration options, it guarantees high efficiency and reliability for users.

- 1.TCK Slant Bed CNC Lathe Machine adopts 45° inclined layout and integrated bed base structure, which greatly improves the bending and torsional rigidity, high rigidity and high stability of the machine, a strong guarantee.
- 2.The Spindle Unit for the assembly of the spindle, the use of high-precision NSK spindle bearings, the whole spindle, unit precision, good rigidity and has an ideal performance. Through strict dynamic balance test, the spindle system has high accuracy, good accuracy retention, small thermal deformation, good thermal stability, the highest speed up to 2600rpm.
- 3.TCK Slant Bed CNC Lathe Machine configuration hydraulic knife tower, to provide users with convenient, practical and reliable processing parts.
- 4.TCK Slant Bed CNC Lathe Machine provides the user with perfect hydraulic and lubrication system, using high-quality hydraulic pump and hydraulic, valve and other components, greatly reducing the failure rate. Hydraulic and lubrication system design is simple and reliable. The machine tool adopts centralized fixed, quantity automatic lubrication.
- 5.The driving motor and the ball screw adopt the elastic coupling, the transmission has no clearance, the precision is high, has the good protection function to the machine tool.
- 6.This machine tool can choose servo main motor

#### Product Parameters

MAIN TECHNICAL DATA		Unit	TCK550	TCK40-750	TCK40-1000
The scope of work	Maximum rotating diameter on the bed	mm	Ø540	Ø540	Ø540
	Maximum turning diameter on the slide	mm	Ø270	Ø270	Ø270
	Maximum processing diameter	mm	Ø400	Ø400	Ø400
	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	Ø65	Ø65	Ø65
	Bar capacity	mm	Ø48	Ø48	Ø48
	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
	Machine weight	kg	3800	3800	4200

Other	Dimensions	mm	2920x1680x2070	2920x1680x2070	3200x1680x2070
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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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