

Double Spindle TCK600 Slant Bed Machine Driven Turret

Our Product Introduction

for more products please visit us on luyoungcncmachines.com

Basic Information

- Place of Origin: China
- Brand Name: Luyoung
- Certification: CE
- Model Number: TCK600
- Minimum Order Quantity: 1
- Price: USD80000
- Packaging Details: Fumigation-free plywood
- Delivery Time: 45 working days
- Supply Ability: 100sets



Product Specification

- Number Of Axes: 2
- Chuck: 8inch
- Voltage: 380V
- Lathe Bed Structure: 3 Jaw Manual Chuck
- Spindle Rotation Speed: 3500rpm
- Showroom Location: None
- After Warranty Service: Field Maintenance And Repair Service
- Core Components: Bearing, Gear
- Spindle Nose: A2-6
- X Axis Travel: 210
- Z Travel: 1000mm
- Max Processing Length: 1000
- Model: TCK600
- Type: TURNING CENTER
- Weight: 2500kg



Product Description

Specifications:



Specification	单位	规格
Max.swing over bed	mm	600
Center Distance	mm	500/1000
Maximum cutting diameter	mm	350
Standard cutting diameter	mm	300
Max.swing over cross slide	mm	400
Main Chuck	inch	8"/6"
Spindle taper		A2-6电主轴
Spindle bore	mm	65
Spindle bar diameter	mm	50
Max.main spindle speed	r/min	50 ~ 4500
Maximum output torque of the spindle	Nm	144
Spindle speed level		无级变速
Main motor output power	kW	30
X-axis fast movement speed	m/min	30
Z-axis fast movement speed	m/min	30
Y-axis fast movement speed	m/min	10
X axis max.travel	mm	280
Z axis max.travel	mm	550
Y axis travel	mm	+50/-50
C axis max.travel	mm	360°
Distance from the end face of the first spindle chuck to the end face of the second spindle chuck	mm	50-600
Spindle taper		A2-5电主轴
Spindle bore	mm	56
Spindle bar diameter	mm	46
Max.main spindle speed	r/min	50 ~ 5000
Maximum output torque of the spindle	Nm	42
Spindle speed level		无级变速
Main motor output power	kW	11
Tool size		BMT55-ER32
Knife holder form		BMT55 12工位硬轨动力刀塔
Maximum speed of power cutting tools	rpm	5000
Can the cutterhead be selected nearby		可
Weight	kg	5000KG
Max weight of Disk type workpiece	kg	200(含卡盘等机床附件)
Max weight of shaft type workpiece	kg	500(含卡盘等机床附件)
Machine tool dimensions (lenqth x width x height)	mm	2790×1900×1850

The double-spindle slant bed CNC lathe combines the advantages of slant bed design and a dual spindle system, featuring the following notable characteristics:

Structure and Design

Slant Bed Design: The bed of the machine is inclined, typically at angles of 30°, 45°, 60°, or 75°. This design enhances the stability and resistance to bending and twisting of the machine, reduces vibrations during the cutting process, and ensures machining precision.

Dual Spindle Configuration: Equipped with a main spindle and a sub-spindle aligned on the same axis, this setup allows for rapid switching between ends of a workpiece after completing machining on one end. This design minimizes clamping time and increases production efficiency.

Machining Performance

High-Efficiency Machining: The dual spindle system allows for simultaneous multi-surface machining on the same workpiece, significantly shortening production cycles. Both spindles can be equipped with multiple tools, enabling one-time machining of complex parts.

Strong Adaptability: This machine can handle various materials, including high-temperature alloys, titanium alloys, and stainless steel, making it suitable for industries such as aerospace and electronics for medium-sized part processing.

Operational Advantages

High Automation Level: The double-spindle slant bed CNC lathe can be equipped with hydraulic chucks and tailstocks for automatic loading and unloading, reducing manual intervention and improving production efficiency.

Excellent Chip Removal Capability: The inclined guideway design facilitates automatic chip removal, keeping the working area clean and preventing issues related to chip accumulation that could lead to thermal deformation, thereby enhancing machining stability.

Additional Features

High Rigidity and Durability: The machine is constructed from high-quality cast iron materials, enhancing overall rigidity and vibration-damping performance, which helps extend the lifespan of the equipment.

Versatility: Capable of performing turning, milling, and various other machining operations, it adapts well to different production needs, especially excelling in small-batch and diverse production scenarios.

The double-spindle slant bed CNC lathe provides robust support for modern manufacturing, particularly in the high-precision machining of complex parts.



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