

Slant Bed Lathe TCK800 Big Size 1500mm Between Two Centers

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: Luyoung
- Certification: CE
- Model Number: TCK800
- Minimum Order Quantity: 1
- Price: USD41000-USD68000
- Packaging Details: Fumigation-free plywood
- Delivery Time: 45 working days
- Payment Terms: L/C, T/T
- Supply Ability: 100sets



Product Specification

- Max. Swing Diameter Over Bed mm : $\Phi 800$
- Max. Cutting Diameter mm : 460
- Max. cutting Length mm : $\Phi 630$
- X Axis Travel mm : 380
- Y Axis Travel mm : ± 50
- X/Z Axis Movement Speed(mm/min): 24000
- Z Axis Travel mm : 1500
- L×W×H mm): 3650×1870×2100
- Machine Weight (kg): 5700
- Highlight: Slants Bed Lathes TCK800 Big 1500mm,
Slant Bed Lathes TCK800 1500mm Big,
Slant Beds Lathes TCK800 1500mm



More Images



Product Description

TCK800 big size 1500mm distance between two centers slant bed machine



High-Precision Machining: With a positioning accuracy and repeat accuracy of 0.01 mm, it guarantees precise machining for components requiring high accuracy.

Composite Functionality: Integrating turning and milling capabilities, it can complete multiple processes in a single setup, reducing the need for multiple clamping operations and enhancing processing efficiency.

Efficiency Boost: By minimizing clamping-induced errors, and potentially featuring online inspection functions, it ensures real-time control over machining precision, thereby increasing overall productivity.

Space Efficiency: Its compact design conserves floor space and simplifies maintenance, contributing to lower production costs.

Processing Capacity: It is suitable for medium-sized machining tasks, handling workpieces up to 1500 mm in length, backed by a powerful 22 kW spindle motor.

Automation Potential: It can be configured with an automatic feeding system for continuous processing, paving the way for automated production.

Bed Design: The slanted bed design enhances rigidity and vibration resistance, offering superior resistance to bending and torsion, especially with its optimized X-axis carriage and tool position layout.

Cost-Effective Integration: Although the initial investment is higher, it reduces the process chain, equipment, and maintenance costs, leading to lower overall fixed asset investment and operating costs.

Warranty on Core Components: A 13-month warranty on core components ensures reliable post-sales support.

Environmental Adaptability: It has specific requirements for the machining environment, such as temperature, humidity, and cleanliness, reflecting its adaptability to precision machining conditions.

These advantages make the TCK800 a highly valuable option in the realms of precision and efficient machine.

Item	Model	TCK630
Working Range	Max. swing diameter over bed(mm)	Φ800
	Max. cutting diameter(mm)	Φ460
	Max. cutting length(mm)	Φ630
Machine travel and feed	X axis travel(mm)	380
	Y axis travel(mm)	+50
	Z axis travel(mm)	1500
	X/Z axis movement speed(mm/min)	24000
	Hand wheel(mm)	0.001/0.01/0.1

Accuracy	X,Z axis feed speed(mm/min)	0~5000
	X,Z axis manual feed speed(mm/min)	0~1260
	X/Z axis repositioning accuracy(mm)	0.005/0.006
	X/Z axis positional accuracy(mm)	0.01/0.015
Spindle	Max spindle speed (rpm)	35-3000
	Max. spindle torque (N.m)	72
	Spindle taper	A2-8
	Spindle bore (mm)	Φ87
	Bar through-hole(mm)	Φ75
Turret	hydraulic chuck	10" (Optional2")
	Turret type	driven turret
	Number of tool holder	12
	Tool change times(s)	0.25
	Tool mounting dimension(mm)	25×25
	Boring tool holder mounting diameter(mm)	Φ40
Main motor	Tail stock travel (mm)	1130
	Center taper	MT-5#
	Main motor power(kW)	18 (1500rpm)
X, Z axis feed motor	Main motor torque (N.m)	118
	X/Z axis feed motor Power (kw)	2.3
	X/Z axis feed motor torque (N.m)	15
Cooling system	Coolant capacity (L)	200
	Motor type (1HP) (kw)	0.18
Dimensions(mm)	L×W×H(mm)	3650×1870×2100
Weight	Machine weight (kg)	5700



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