

0.01 mm Positioning Accuracy High Precision Automatic Slant Bed CNC Lathe Machine TCK40

Our Product Introduction

for more products please visit us on luyoungcncmachines.com

Basic Information

- Place of Origin: Shandong, China
- Brand Name: Lu Young
- Certification: CE ISO
- Model Number: TCK40
- Price: \$15,000.00/sets >=1 sets

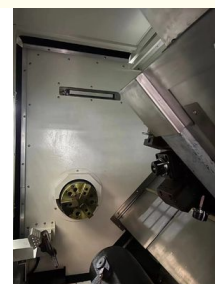


Product Specification

- Type: Horizontal
- Max. Length Of Workpiece (mm): 700 Mm
- Structure: Slant Bed Lathe
- Machining Capacity: Heavy Duty
- Max. Weight Of Workpiece(kg): 200
- Width Of Bed (mm): 400 Mm
- No. Of Spindles: Single
- Number Of Axes: 4
- Travel (X Axis)(mm): 420 Mm
- Travel (Z Axis)(mm): 800 Mm
- Positioning Accuracy (mm): 0.01 Mm
- Repeatability (X/Y/Z) (mm): 0.003
- Dimension(L*W*H): 2100*1450*1850
- Voltage: 380V



More Images



Product Description

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Key Specifications

Type	Horizontal
Max. Workpiece Length	700 mm
Structure	Slant Bed Lathe
Machining Capacity	Heavy Duty
Max. Workpiece Weight	200 kg
Positioning Accuracy	0.01 mm
Repeatability	0.003 mm
Spindle Speed	3000-3500 rpm
CNC Control System	GSK
Warranty	1 Year

Product Features



- Max. swing over bed: 650mm
- Max cutting diameter: 540mm
- Clamping: 10" Hydraulic Chuck
- Distance between centers: 700mm
- Main motor power: 7.5KW
- Turret: 12 station living turret

Optional Components

- 10/12 station hydraulic turret
- 12 station living turret or living tools
- Hydraulic tailstock
- GSK or Fanuc controller system

Technical Specifications

Optional configuration



8station living turret



12station hydraulic turret



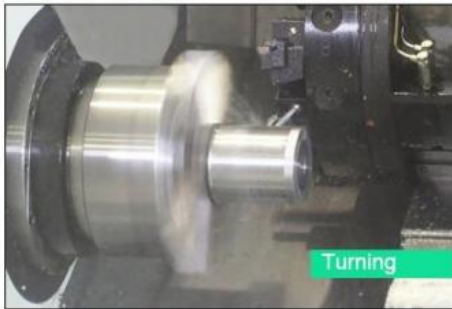
12station living turret



3+3 living tool



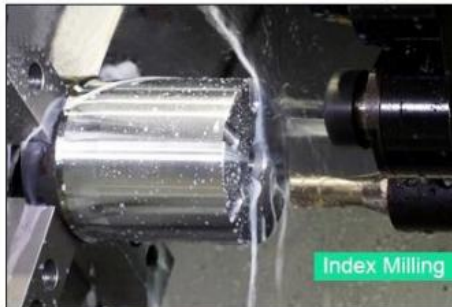
4+4 living tools



Turning



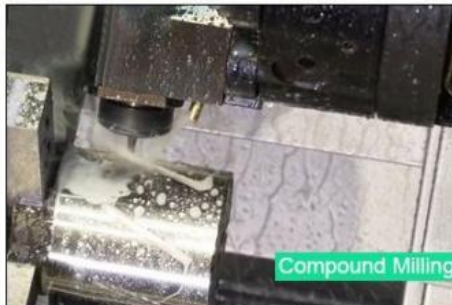
Center Drilling



Index Milling



Eccentric Drilling



Compound Milling



Polygon Milling

Specification	Unit	Value
Max swing over bed diameter	mm	Φ 640
Max swing over cross slide diameter	mm	Φ 280
Max cutting length	mm	540

Hydraulic chuck size	mm	10"
Spindle speed range	r/min	20-3500
Main motor power	kW	11
Bed angle	DEG	45°
Turret stations		12
Machine dimensions	cm	3400×2060×2100
Weight	kg	4200

Advanced Features

- **Spindle:** High rigidity structure with stepless speed variation for constant linear speed cutting
- **Turret:** High-performance hydraulic tool post with fast, accurate tool change
- **Chuck:** Standard hydraulic chuck with stable accuracy, optional sleeve chuck available
- **Controller:** CNC system with Siemens 808D controller (GSK or FANUC optional)
- **Guideways:** Taiwan Hiwin linear guideways for superior load capacity and accuracy
- **Casting:** High-rigidity horizontal cast iron bed with 45° Z-direction sliding table

Applications

This high precision CNC lathe is ideal for roughing and finishing of shafts, discs, sleeves, and mass production parts in automotive, motorcycle, and compressor industries. Particularly suitable for heavy cutting and interrupted cutting operations, it can automatically process various surfaces including cylinders, cones, arcs, and threads.

Spindle

Φ82 Spindle
hole diameter.



Turret

8 station Hy-
draulic turret.

Chuck

305mm hydrau-
lic hollow type
chuck.





control system

Could choose Siemens, Fanuc, GSK etc.

Guide way

Taiwan Hiwin linear guide way



Casting

one-piece casting



flange plate



plunger



hub bearing



bearing



gearing shaft



Curved cutting edge



cutted thread screwing



cutterhead



milling cutter arbor

Related Products





Manufacturer Information





Shandong Lu Young Machinery Co., Ltd., established in 1996, is a professional manufacturer of CNC lathes, milling machines, and Swiss lathes. With three dedicated factories and over 500 employees including 40 engineers, we produce more than 1000 CNC machines annually that are exported to over 40 countries.

- ♥ More than 20 years of production experience
- ♥ Exported to more than 40 countries
- ♥ Over 300 factory staff
- ♥ CE and ISO9001 certified
- ♥ 24/7 online service





After-Sales Service



TCK 630CNC Lathe Machine Slant Bed with servo mot...



so happy to get the lathe,quality is very good.next order will come soon.

Order No.: 10000000000000000000

Russian Federation

Supplier Service: **Very Satisfied** (5 stars)

On-time Shipment: **Very Satisfied** (5 stars)



CK0640 factory price stability turning cnc machine



Hello. The machines are reliable, they correspond to the characteristics in the description. Fast delivery seller has an individual approach to each machine and tooling. I liked working with this seller.



CK0640 cheap cnc turning lathe with auto feed...



No comments



vmc420 China small cheap CNC machine price...



No comments

Supplier Service: **Very Satisfied** (5 stars)

On-time Shipment: **Very Satisfied** (5 stars)



CK 6136 china price economic flat bed cnc lat...



the quality of the machine is very good. I like this machine and I will continue to buy it



Order No.: 10000000000000000000

United States

Supplier Service: **Very Satisfied** (5 stars)

On-time Shipment: **Very Satisfied** (5 stars)



ck6180 horizontal chinese 2 axis heavy duty au...



This company supply the exceptional service and good machine!

Order No.: 10000000000000000000

United States

Supplier Service: **Very Satisfied** (5 stars)

On-time Shipment: **Very Satisfied** (5 stars)



h50 china factory price metal cnc turning lathe ...



Everything looks well,now we didn't find any problem.

- 1 year warranty for complete machine
- Lifetime technical support
- 24/7 support via phone, email, WhatsApp/Skype
- English version manuals provided
- Overseas engineer service available

Packaging & Shipping



- Non-fumigation seaworthy plywood packaging
- Reinforced steel base plate (3-5x stronger than standard)
- Water-resistant film wrapping
- Fully sheathed case for collision protection

Frequently Asked Questions

What is the warranty period?

Our warranty covers one year for the complete machine, including free replacement of damaged parts under normal use. Lifetime technical support is provided.

What packaging is used?

We use durable plywood cases with steel base plates and water-resistant wrapping to ensure complete protection during transit.

What is the delivery time?

Standard delivery time is 30 days after order confirmation.

Can the machine be customized?

Yes, we can customize machines according to your specific requirements. Provide your drawings and specifications for a tailored solution.



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