

CNC Lathe

Model: CK61125



Supplier: Shanghai ANTS Machine Equipment Co.,Ltd

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Technical proposal

Part 1: Technical parameter

Name		Unit	Specifications		
			CK61125E/1500	CK61125E/2000	CK61125E/3000
Max. Swing over Bed		mm	φ1250	φ1250	φ1250
X-direction rail span		mm	420	420	420
Z-direction rail span		mm	755	755	755
Max. Swing over slide		mm	φ850	φ850	φ850
Top distance		mm	1500	2000	3000
Max. turning length		mm	1350	1850	2850
Center High	From the bed	mm	625	625	625
	From the ground	mm	1375	1375	1375
Spindle through hole diameter		mm	φ130	φ130	φ130
Bar diameter		mm	φ130	φ130	φ130
Optional Hollow Chuck Pull Rod Through Hole		mm	φ118	φ118	φ118
Spindle end type			A2-15	A2-15	A2-15
Chuck		mm	φ630	φ630	φ630
Spindle Taper Hole Taper		No	Metric 140, 1: 20	Metric 140, 1: 20	Metric 140, 1: 20
Spindle limit speed		rpm	Manual Three-Speed (10~40, 40~120, 100~400)	Manual Three-Speed (10~40, 40~120, 100~400)	Manual Three-Speed (10~40, 40~120, 100~400)
Tailstock sleeve diameter		mm	φ160	φ160	φ160

Tailstock sleeve bore taper		No	MT6#	MT6#	MT6#
Tailstock sleeve travel		mm	250	250	250
Tailstock form			Ordinary hand crank	Ordinary hand crank	Ordinary hand crank
Number of electric tool holders		Pcs	4	4	4
Knife square size		mm	40×40(four stations)	40×40(four stations)	40×40(four stations)
Screw model	X direction	mm	FDC4005-P3	FDC4005-P3	FDC4005-P3
	Z direction	mm	FDC6310-P3	FDC6310-P3	FDC6310-P3
X/Z direction rapid movement speed		m/min	4/5	4/5	4/5
X travel		mm	650	650	650
Z travel		mm	1350	1850	2850
Minimum setting unit		mm	0.001	0.001	0.001
main motor power		KW	22	22	22
Total power		KW	28	30	31
Net weight of machine tool		Kg	8000	8600	9600
Dimensions (length x width x height)		mm	4100×2355×2300	4600×2355×2300	5520×2355×2455

Part 2 : Product reference picture**Part 3: Equipment Introductions****Product description**

1. CK61125E is a mature product mainly exported by Shanghai ANTS Machine Equipment Co.,Ltd. The whole machine has compact structure, beautiful and pleasant appearance, large spindle torque, high rigidity, stable and reliable performance, and excellent precision retention.
2. The optimized design of the bedhead box is suitable for the turning of disc and shaft parts. It can perform the machining of straight line, circular arc, metric and imperial threads and multi-head threads, and can be applied to the machining of disc and shaft parts with complex shapes and high precision requirements.
3. The guide rails of the machine tool and the slide saddle guide rails are all made of hard guide rails made of special materials. After high-frequency quenching, they are super hard and wear-resistant, durable, and have good machining accuracy.
4. The numerical control system adopts Guangshu GSK988T system, and adopts domestic famous and high-quality ball screws and high-precision screw bearings.
5. The spindle with high-precision spindle bearing group and precision assembly and dynamic balance test ensures that the spindle has high precision, low noise and strong rigidity.
6. Each lubricating point adopts a forced automatic lubricating device to lubricate the lead screw and guide rail quantitatively at fixed points. When there is an abnormal state or the oil is insufficient, a warning signal is automatically generated.
7. The standard configuration adopts the domestic three-jaw self-centering manual chuck.
8. The guide rail is equipped with a scraping device to prevent the guide rail from being corroded by iron filings and coolant, and to facilitate the cleaning of iron filings.

Part 4: Standard Equipment**Standard accessories:**

Name	Specifications	Quantity	Supplier
Control System	GSK 988T	1 set	China
Spindle structure	Three-speed manual, stepless within the file	1 set	China
Screw bearing	Special bearings for ball screw	1 set	China
Spindle motor	22 KW servo	1 set	China
Ball screw	6310	1 set	China
Knife holder	Four-station electric knife holder	1 set	China
Automatic lubrication device	HR-3	1 set	China
Three-jaw manual chuck	K11630/A2-15;K72630/A2-15;K72630/A2-15	1 set	China
Cooling pump	P=250W	1 set	China

Part 5 :Manufacturing Time

Around 35-60 calender days, The machine will be ready for FAT(Factory Acceptance Test) after received deposit and after confirmed contract and technical proposal.

Remark: If the customer has special requirements for the delivery time, please confirm with Shanghai ANTSHI

Part 6 : Acceptance Test

The machine is accepted according to GB/T25659.1-2010 standard

Test items	Standard tolerance (mm)
Periodic axial movement of the main shaft	0.005
Radial runout of the positioning cone surface of the	0.005
Positioning precision	X±0.012/Z±0.025

Repeat positioning accuracy	X±0.006/Z±0.012
Diameter consistency	0.02/300
Planarity	0.025/φ300
Dimensional accuracy of outer circle	IT7
Surface roughness	Ra3.2μm

Part 7 : Quality Assurance & After-sales Service

Shanghai ANTS Machine Equipment Co., Ltd. fully fulfills the terms of machine tool technical services promised to users.

1. Since the final acceptance of the machine tool, all failures caused by quality problems will be guaranteed for one year free of charge.
2. Since the final acceptance of the machine tool, the failure of other parts caused by quality problems will be guaranteed for one year free of charge.
3. Since the final acceptance of the machine tool, we also guarantee to actively cooperate with the user to repair the failure caused by the quality of the machine tool, and free labor costs within one year.
4. Lifetime guarantee to provide spare parts supply at preferential prices.

Warranty service:

one year warranty(12 months since customer receive & use the machine).

The manufacturer guarantees to provide life-long paid maintenance services for the product.

Part 8: Packing & Shipping Terms

1. Provide the following technical documents when the equipment is delivered

Packing list 1 copy

Factory qualified certificate 1 copy

Operation manual 1 copy

Circuit system schematic diagram 1 copy

2. Packaging and transportation

Exporting standard wood box packing

The transportation is carried out in accordance with the contract terms.

Part 9: Company Introduction

Shanghai ANTS Machine Company is mainly engaged in Universal lathe, CNC lathe, Heavy duty lathe, Special purpose lathe, Sawing machine, Drilling machine, Milling Machine, VMC(Vertical Machining Centre), HLC(Horizontal Machining Centre), Gantry Machining Centre and other equipment. The products are sold to Hebei, Shaanxi, Hunan, Henan, Jiangsu, Shandong, Guangdong, Shanghai and other places. More than 300 professional after-sales service personnel in 83 offices across the country provide customers with pr-sales and after-sales services at any time. The products are deeply trusted by customers and are exported to more than 20 countries and regions such as the United States, Germany, Italy, India, Thailand, and Russia. Especially in recent years, they have been widely used in major domestic well-known enterprises such as China National Heavy Duty Truck, Ministry of Aeronautics and Space, Zhongyuan Special Steel, Zhengmei Machinery, Shanghai Heavy Industry, Wuhan Iron and Steel, Anshan Iron and Steel and Sany Heavy Industry have the characteristics of rich experience, excellent.

Factory Pictures



**ISO 14001 Environment
Management System**

**ISO 9001 Quality
Management System**

**European CE
Certificate**



Part 10: Quotation & Transaction Terms.

QUOTATION SHEET

CURRENCY UNIT : USD

Date: July 23th, 2023

Machine Type	Equipment Model	Technical Parameter	PRICE in USD (EXW Factory)
CNC Lathe	CK61125E	GSK CNC SYSTEM	52350 USD/set

* The sea freight cost fluctuate everyday due to the global shipping situation, The final confirmed price can be checked when the machine is about to ship.

Remarks :

- Origin:** The People's Republic of China
- Delivery Time:** 45-60 Days ready for the factory acceptance test.
- Payment terms:** 30% payment in advance for deposit, 70% balance after the pre-acceptance test before shipment
- Package:** Exporting standard Wooden Box Package
- Validity: 30 Days.** (The buyer has to re-check with seller if the quotation validity is expired)