



Built on Quality Defining High-Efficiency Fully Automated Turning Solutions

*Delivering exceptional precision and continuous reliability
through engineering excellence.*

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嘉坤机械
JIA KUN MACHINERY

High-End Precision CNC Lathe Multi-Axis Turn-Mill Solutions



Twin-Spindle Dual-Turret / Dual-Gang-Tool

True Y-Axis / Interpolated Y-Axis Turret

Slant-Bed Gang-Tool Type

Since 1994 Precision Manufacturing

30+ Years of Engineering Excellence

For over 30 years,
Jiakun Machinery has been
dedicated to the R&D and
manufacturing of CNC machine tools
and advanced automation systems.

From standard CNC machine tools
to automated production lines,
from precision machining
to custom equipment solutions.

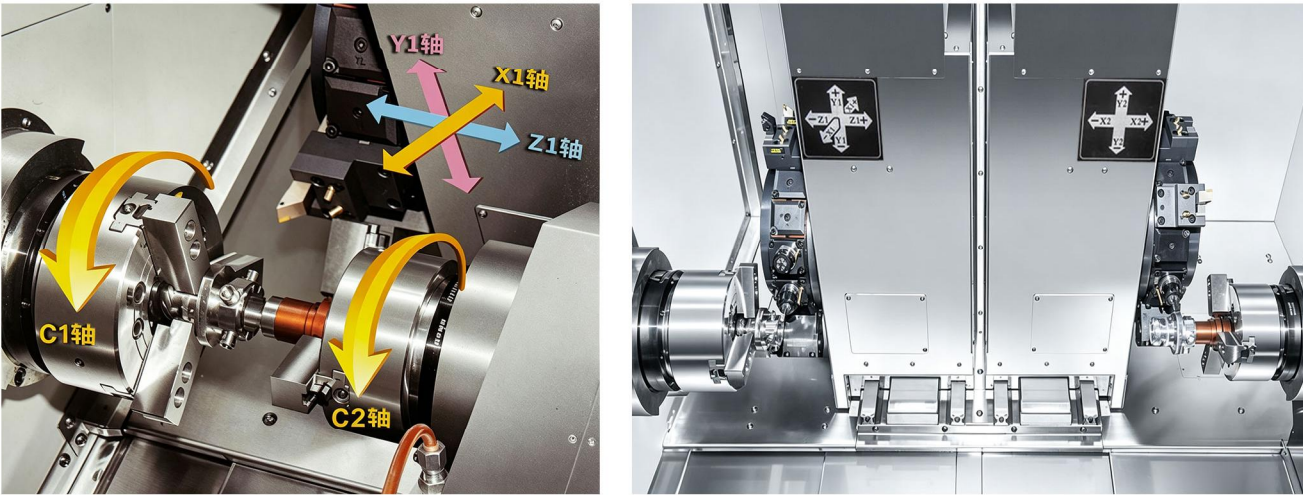
Driven by stable quality
and continuous innovation,
we provide trusted machinery
and services to global clients.

We believe the stable operation
of every machine stems from
uncompromised quality
in every single process.



KS-6452

Twin-Spindle Series
(Twin Spindles, Dual Y-axis Live Tool Turrets)



- 1.A small high-end milling machine with multiple functions.
- 2.The left and right turrets are equipped with hard rail Y-axis milling function! Optional 12-station 24-division/16-station 16-division specifications, up to 48 tools can be equipped.
- 3.It can handle small batches and multiple varieties to large batches, and complete all processes with one clamping.
- 4.Double Y-axis power turret design, opposing dual spindles, multi-tool simultaneous processing on the front and back of the workpiece, greatly reducing processing time

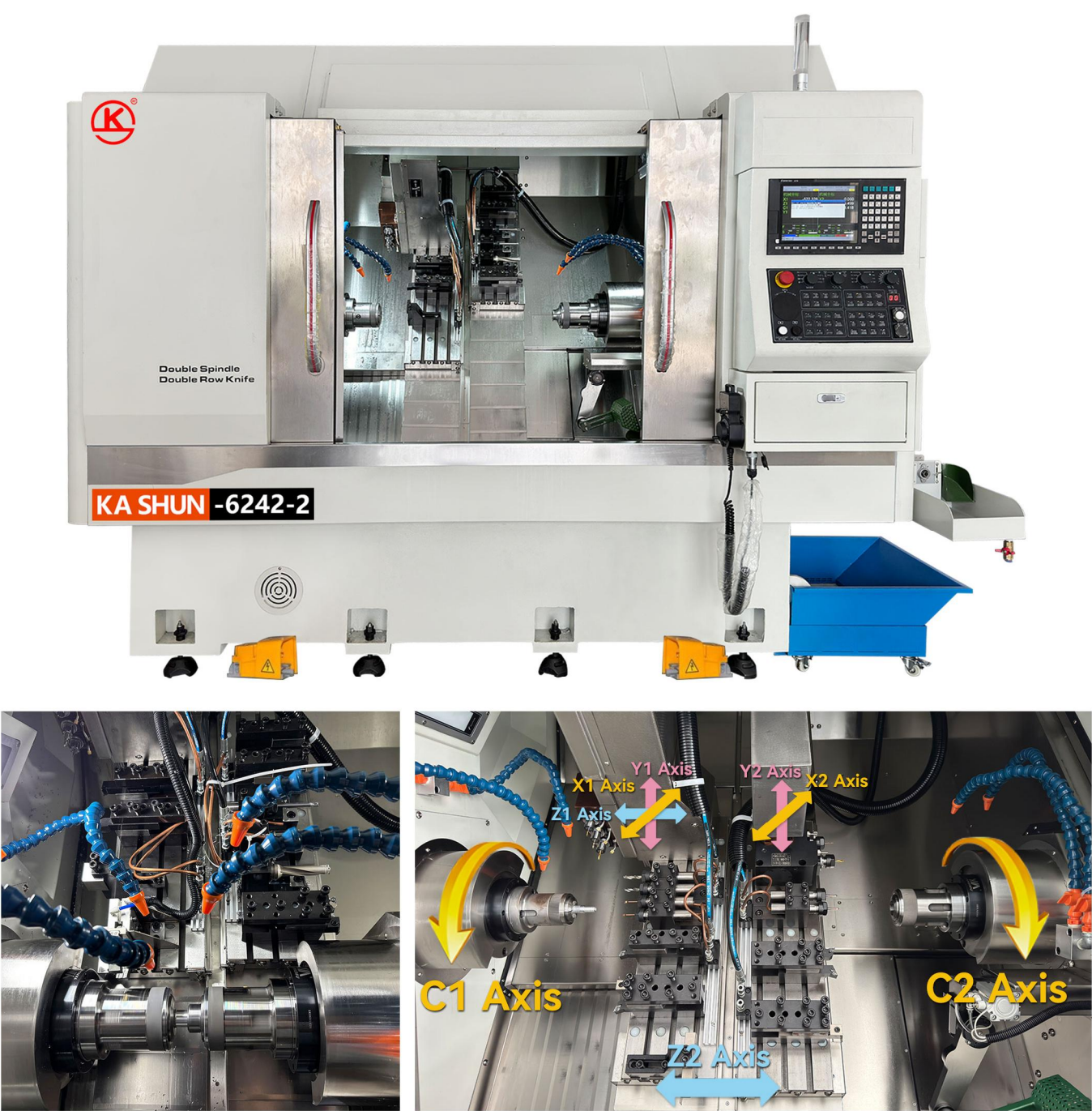
Technical parameters	KS-6452
Processing capacity	
Number of axes	10 Axis (X1+Y1+Z1+X2+Y2+Z2+C1+C2+D1+D2)
Bed body rotation diameter	Φ500mm
Max. processing diameter	Φ280mm
Max. processing length	260mm
Spindle nose	
Spindle nose	Main: A2-6 , Sub: A2-5
Spindle bore diameter	Main: Φ66mm , Sub: Φ56mm
Rod hole diameter	Main: Φ52mm , Sub: Φ46mm
Spindle speed	Main: 0-4500rpm , Sub: 0-6000rpm
Hydraulic chuck	Main: 8" or 52 Type Collet Sub: 6" or 46 Type Collet
Power turret	
Main and auxiliary turret models	BMT55 (12 Stations)or BMT40 (16 Stations)
Number of tools	12 or 16
Outside diameter tool holder	25mm
Inner diameter tool holder	Φ32 or Φ25mm
Milling axis speed (direct drive motor)	0-12000rpm
Slide	
X1/ X2 axis travel	420mm
Y1/ Y2 axis travel (hard rail)	80mm(±40mm)
Z1/ Z2 axis travel	265mm/1200mm Effective machining length 156mm Back Spindle
X1/ X2 axis rapid displacement	25m/s
Y1/ Y2 axis rapid displacement	15m/s
Z1/ Z2 axis rapid displacement	25m/s
Accuracy	
Spindle/Sub-spindle repeatability accuracy	±0.005°
Spindle/Sub-spindle accuracy	±0.002°
Repeatable accuracy of X/Y/Z axis	0.002mm
X/Y/Z axis accuracy	0.003mm
Motor	
Spindle motor (electric spindle)	18.5KW
Sub-spindle motor (electric spindle)	12KW
X1/X2 axis motor power	3.1KW
Y1/Y2 axis motor power	2.4KW
Z1/Z2 axis motor power	3.9KW/3.1KW
D1/D2 axis (milling axis) direct drive motor	5.5KW
Hydraulic pump motor	2.2KW
Cooling pump motor	0.37KW*2
Capacity	
Hydraulic tank capacity	120L
Cooling water tank capacity	180L
Dimensions	
Weight (net weight/gross weight)	7800KG
Machine dimensions(L*W*H)	L3550xW2215xH2295mm

*Products are constantly updated, product specifications are subject to change without notice

KS-6232-2/42-2

Twin-Spindle Series

(Twin Spindles, Dual Gang-Tool Posts)



High-precision docking of spindle/sub-spindle

Spindle/sub-spindle can be equipped with Y-axis side milling power head

The new generation of dual-channel turning and milling compound (dual-spindle dual-row tool) can cope with small batch and multi-variety to large-scale production, and complete all processes in one clamping.

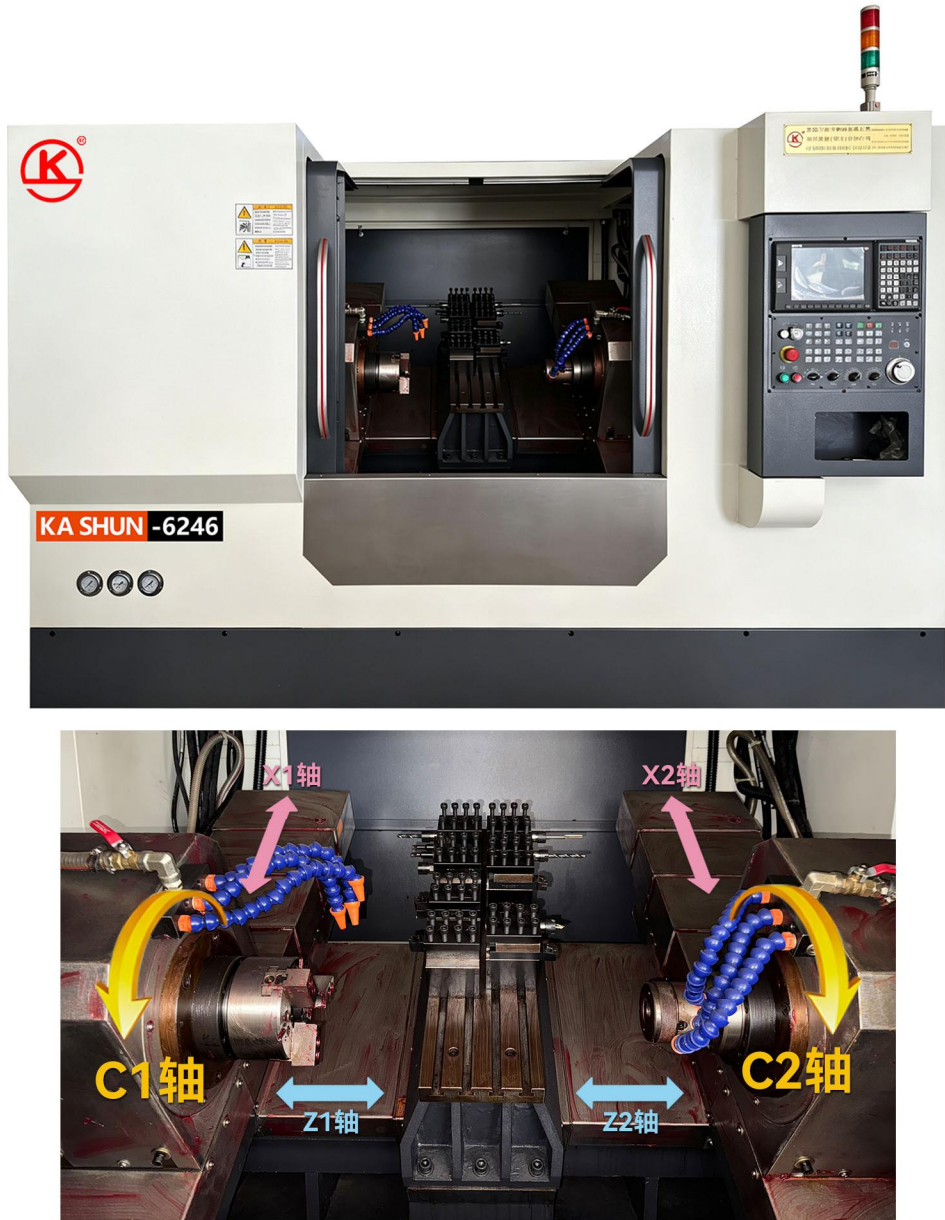
Technical parameters	KS-6232-2	KS-6242-2
Spindle		
Nose end of main and auxiliary shaft	A2-5	
Main and countershaft chuck size	6"or 32collet	6"or 46collet
Main/sub through-hole	56mm	
Bar capacity	32mm	46mm
Processing range		
Maximum swing diameter	Φ200mm	
Tool platen and spindle center height	65mm	
Maximum workpiece length	120mm	
Mechanical capacity		
Spindle speed	0-6000rpm	
A/B axis shaft speed (optional)	0-5000rpm	
X ₁ /X ₂ /Z ₁ /Z ₂ rapid traverse rate	≤25m/min	
Number of A axis power tools	2xER20	
Number of B axis power tools	2xER20	
Axial stroke		
X ₁ /X ₂ axis Travel	1400mm	
Z ₁ /Z ₂ axis Travel	300/180mm	
Mechanical accuracy		
Spindle indexing repeatability	±0.005°	
Spindle indexing positioning accuracy	±0.002°	
X ₁ /X ₂ /Z ₁ /Z ₂ axis repeat positioning accuracy	0.002mm	
X ₁ /X ₂ /Z ₁ /Z ₂ axis positioning accuracy	0.003mm	
Motor power		
Spindle and sub-spindle (electric spindle)	12Kw	
X ₁ /X ₂ axis (servo) and motor	2.4KW/With brake	
Z ₁ /Z ₂ axis (servo) and motor	3.1Kw	
A/B axis (Double motor, servo)	1.0Kw	
Cutting fluid pump	0.37Kw*2	
Other		
Hydraulic tank capacity	120L	
Water tank volume	160L	
Weight	4200KG	
Machine dimensions(L*W*H)	L2800xW2100xH2280mm	

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KS-6246

Twin-Spindle Series

(Twin Spindles, Dual Gang-Tool Posts)



The equipment features a 30° slanted integrated base structure. Both the main and sub spindles are driven by their respective X and Z axes, allowing the entire machining process to be completed in the time required to machine only one end. The machine has passed years of continuous 24-hour automatic operation testing, demonstrating strong adaptability to harsh machining environments. It offers mature process solutions for stainless steel and chrome steel workpieces and comes standard with an auto-chip-pushing function that removes 80% of chips entangled around the cutting tools, preventing machining defects caused by chip wrapping. The equipment provides excellent compatibility with various automation systems and can be configured flexibly according to production requirements.

Technical parameters	KS-6246
Spindle	
Nose end of main and auxiliary shaft	A2-5
Main and countershaft chuck size	6"or 32collet
Main/sub through-hole	55mm
Bar capacity	44mm
Processing range	
Maximum swing diameter	Φ600mm
Tool platen and spindle center height	80mm
Maximum workpiece length	150mm
Mechanical capacity	
Spindle speed	0-4000rpm
A/B axis shaft speed (optional)	0-2000rpm
X ₁ /X ₂ /Z ₁ /Z ₂ rapid traverse rate	≤23m/min
Number of A axis power tools	2xER20
Number of B axis power tools	2xER20
Axial stroke	
X ₁ /X ₂ axis Travel	1100mm
Z ₁ /Z ₂ axis Travel	310mm
Mechanical accuracy	
Spindle indexing repeatability	±0.005°
Spindle indexing positioning accuracy	±0.002°
X ₁ /X ₂ /Z ₁ /Z ₂ axis repeat positioning accuracy	0.005mm
X ₁ /X ₂ /Z ₁ /Z ₂ axis positioning accuracy	0.005mm
Motor power	
Spindle and sub-spindle (electric spindle)	5.5KW/7.5KWAdapted
X ₁ /X ₂ axis (servo) and motor	2.4KW With brake
Z ₁ /Z ₂ axis (servo) and motor	3.1Kw
Spindle/Sub-spindle accuracy	1.0Kw
Cutting fluid pump	550W
Other	
Hydraulic tank capacity	80L
Water tank volume	160L
Weight	4300KG
Machine dimensions(L*W*H)	L3000xW1900xH2200mm

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KS-52CY

Single-Spindle Series (Interpolated Y-Axis Turn-Mill Complex)



Technical parameters	KS-52CY
Spindle	
Spindle nose	A2-6
Chuck size	8"/52collet
Spindle through-hole diameter	66mm
Bar diameter	52mm
Processing range	
Max. swing diameter	650mm
Max. turning/milling diameter	400mm
Max. machining length	500mm
Mechanical ability	
Spindle speed	0-4500r/min
Milling axis speed	8000/12000r/min
X/Y/Z axis fast-moving speed	≤24m/min
Mechanical Precision	
Spindle indexing repeat positioning accuracy	±0.01°
Spindle indexing positioning accuracy	±0.02°
X/Y/Z axis repeat positioning accuracy	±0.004mm
X/Y/Z axis positioning accuracy	±0.003mm
Axial travel	
X axis travel	270mm
Y axis travel (Rectangular rail)	100mm
Z axis travel	530mm
Turret	
Number of knife positions	15
Hydraulic tailstock	
Tailstock shaft diameter	95mm
Tailstock travel	420mm
Tip travel	120mm
Motor	
Spindle (Motor)	5.5KW-7.5KW
X axis (Motor)	2.4KW
Y axis (Motor)	1.7KW
Z axis (Motor)	2.4KW
Milling axis (servo) and Motor	3.1KW
Cutting fluid pump	0.75KW
Other	
Hydraulic tank capacity	40L
Tank volume	Approx 125L
Weight	5500KG
Machine dimensions(L*W*H)	L3050xW1850xH2120mm

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KS-46DY/52DY

Single-Spindle Series (Y-Axis Live-Tool Turret CNC Lathe)

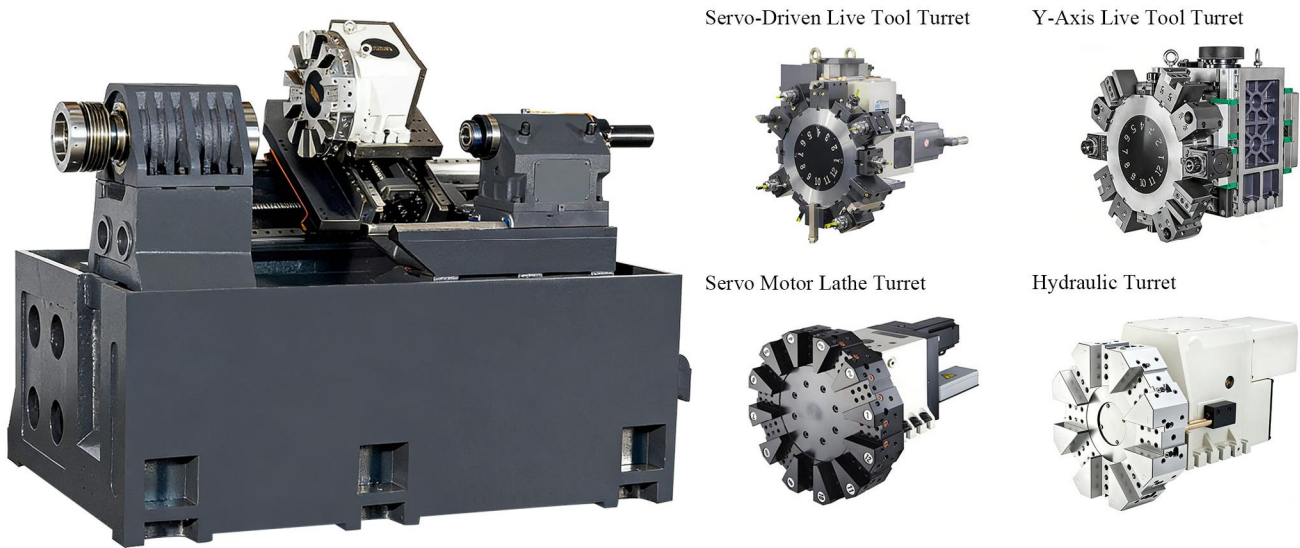


Technical parameters	KS-46DY	KS-52DY
Spindle		
Spindle nose	A2-5	A2-6
Chuck size	6"/46 collet	8"/52 collet
Spindle through-hole diameter	56mm	66mm
Bar diameter	46mm	52mm
Processing range		
Max. swing diameter	640mm	
Max. turning/milling diameter	400mm	
Max. machining length	510mm	
Mechanical ability		
Spindle speed	0-4500r/min	
Milling axis speed	Optional	
X/Y/Z axis fast-moving speed	≤30m/min	
Mechanical Precision		
Spindle indexing repeat positioning accuracy	±0.01°	
Spindle indexing positioning accuracy	±0.02°	
X/Y/Z axis repeat positioning accuracy	±0.004mm	
X/Y/Z axis positioning accuracy	±0.003mm	
Axial travel		
X axis travel	260mm	
Y axis travel (Rectangular rail)	100mm	
Z axis travel	550mm	
Turret		
Number of knife positions	15	
Hydraulic tailstock		
Tailstock shaft diameter	95mm	
Tailstock travel	380mm	
Tip travel	120mm	
Motor		
Spindle (Motor)	5.5KW-7.5KW	
X axis (Motor)	2.4KW	
Y axis (Motor)	1.7KW	
Z axis (Motor)	2.4KW	
Milling axis (servo) and Motor	3.1KW	
Cutting fluid pump	0.75KW	
Other		
Hydraulic tank capacity	40L	
Tank volume	Approx 125L	
Weight	4300KG	4500KG
Machine dimensions(L*W*H)	L2865xW1865xH2040mm	L2865xW1865xH2040mm

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KS-46D/52D

Single-Spindle Series (Slant-bed Turret CNC Lathe)



Technical parameters	KS-46D	KS-52D
Spindle		
Spindle nose	A2-5	A2-6
Chuck size	6"/46 collet	8"/52 collet
Spindle through-hole diameter	56mm	66mm
Bar diameter	46mm	52mm
Processing range		
Max. swing diameter	450mm	560mm
Max. turning/milling diameter	350mm	400mm
Max. machining length	500mm	540mm
Mechanical ability		
Spindle speed	0-5000r/min	0-4500r/min
Milling axis speed	Optional	
X/Y/Z axis fast-moving speed	≤24m/min	≤30m/min
Mechanical Precision		
Spindle indexing repeat positioning accuracy	±0.01°	
Spindle indexing positioning accuracy	±0.02°	
X/Y/Z axis repeat positioning accuracy	±0.004mm	
X/Y/Z axis positioning accuracy	±0.003mm	
Axial travel		
X axis travel	250mm(-25mm+225mm)	260mm
Y axis travel (Rectangular rail)	/	
Z axis travel	510mm	550mm
Turret		
Number of knife positions	10-16	
Hydraulic tailstock		
Tailstock shaft diameter	95mm	
Tailstock travel	420mm/300mm	380/450mm
Tip travel	120mm	
Motor		
Spindle (Motor)	5.5KW-7.5KW	
X axis (Motor)	2.4KW	
Y axis (Motor)	/	
Z axis (Motor)	2.4KW	
Milling axis (servo) and Motor	3.1KW	
Cutting fluid pump	0.75KW	
Other		
Hydraulic tank capacity	40L	
Tank volume	Approx 125L	
Weight	3800KG	4200KG
Machine dimensions(L*W*H)	L2710xW1635xH1685mm	L2865xW1865xH1950mm

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KS-46P

Slant-bed Gang-Tool CNC Lathe



Technical parameters	KS-46P
Spindle	
Spindle nose	A2-5
Chuck size	6"/46 collet
Spindle through-hole diameter	Φ56
Bar diameter	46mm
Processing range	
Max. swing diameter	Φ420
Max. machining length	Gang: 200 / Turret: 120
Mechanical ability	
Spindle speed	4500-6000r/min
X/Z axis fast-moving speed	≤24m/min
Mechanical Precision	
X/Z axis repeat positioning accuracy	±0.004mm
X/Z axis positioning accuracy	±0.003mm
Axial travel	
X axis travel	470mm
Z axis travel	400mm
Turret	
Number of knife positions	5-8
Motor	
Spindle (Motor)	5.5KW-7.5KW
X axis (Motor)	2.0KW
Z axis (Motor)	2.0KW
Milling axis (servo) and Motor	Optional
Cutting fluid pump	0.75KW
Other	
Hydraulic tank capacity	40L
Tank volume	120L
Weight	2800KG
Machine dimensions(L*W*H)	L2470xW1480xH1710mm

KS-36P

Slant-bed Gang-Tool CNC Lathe



Technical parameters	KS-36P
Spindle	
Spindle nose	A2-4
Chuck size	5"/36 collet
Spindle through-hole diameter	Φ46
Bar diameter	36mm
Processing range	
Max. swing diameter	Φ410
Max. machining length	Gang: 360
Mechanical ability	
Spindle speed	4500-6000r/min
X/Z axis fast-moving speed	≤24m/min
Mechanical Precision	
X/Z axis repeat positioning accuracy	±0.004mm
X/Z axis positioning accuracy	±0.003mm
Axial travel	
X axis travel	405mm
Z axis travel	400mm
Turret	
Number of knife positions	5-8
Motor	
Spindle (Motor)	3.7KW-5.5KW
X axis (Motor)	1.7KW
Z axis (Motor)	1.7KW
Milling axis (servo) and Motor	Optional
Cutting fluid pump	0.75KW
Other	
Hydraulic tank capacity	40L
Tank volume	120L
Weight	2300KG
Machine dimensions(L*W*H)	L2210xW1420xH1580mm

KS-25P

Slant-bed Gang-Tool CNC Lathe



Technical parameters	KS-25P
Spindle	
Spindle nose	A2-4
Chuck size	5"/25 collet
Spindle through-hole diameter	Φ36
Bar diameter	25mm
Processing range	
Max. swing diameter	Φ320
Max. machining length	Gang: 200 / Turret: 120
Mechanical ability	
Spindle speed	4500-6000r/min
X/Z axis fast-moving speed	≤24m/min
Mechanical Precision	
X/Z axis repeat positioning accuracy	±0.004mm
X/Z axis positioning accuracy	±0.003mm
Axial travel	
X axis travel	320mm
Z axis travel	250mm
Turret	
Number of knife positions	5-8
Motor	
Spindle (Motor)	2.2KW-3.7KW
X axis (Motor)	1.5KW
Z axis (Motor)	1.5KW
Milling axis (servo) and Motor	Optional
Cutting fluid pump	0.75KW
Other	
Hydraulic pump motor	40L
Tank volume	100L
Weight	1700KG
Machine dimensions(L*W*H)	L2100xW1350xH1550mm

Accessories Series

High Quality Configuration (Some Accessories Are Optional)

Engineered for Reliability with Tailored Solutions for Every Need

YASKAWA



YASKAWA Servo Motor



Servo Motor



Electric Spindle



Mechanical Spindle



Linear Guide



Ball Screw/Roller Screw

NSK NTN FAG



NSK/NTN/FAG Bearing



High Pressure Coolant System



Lubrication System

High-quality configurations are essential to manufacturing premium machine tools. Every machine is thoughtfully equipped with top-tier components from renowned brands in Germany, Japan, and Taiwan, ensuring long-term, stable, and high-efficiency operation.

Optional Accessories

Automation Option Series

Flexible Automation Solutions for Maximum Productivity



Gantry Robot



Gantry Robot



Integrated Auto Loading



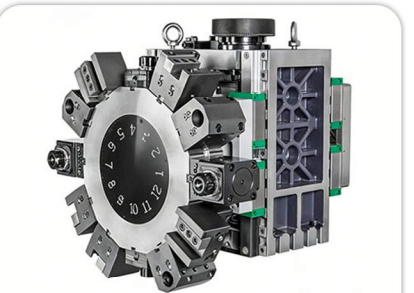
Bar Feeder



Servo-Driven Live Tool Turret



Hydraulic Turret



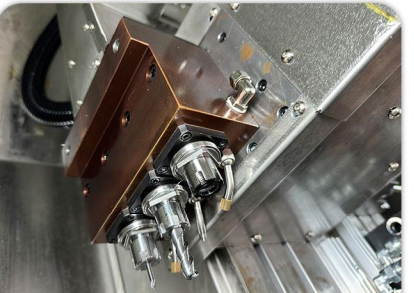
Y-Axis Live Tool Turret



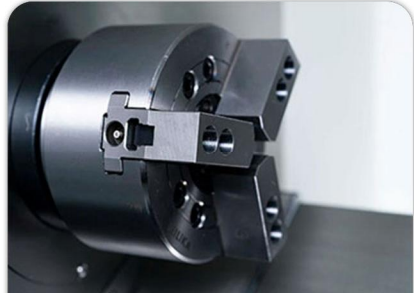
0° Live Tool Holder



90° Live Tool Holder



3-Station Live Tool Holder



3-Jaw Hydraulic Chuck



Part Catcher



Auto Tools Setter



Oil Cooler



Oil Mist Collector



Chip Conveyor

JIA KUN Machinery

Empowering Diverse Industries

To Contribute to Various Industries

Digital Innovation · Smart Manufacturing
『JIAKUN MACHINERY』

Aviation Industry

Military Industry

Burning Oil

Robotics Industry

Ship Industry

Building Machinery

Medical Instruments

Automobile Industry



High-Precision CNC, Empowering Automated Production
Precision Turning · Multi-Task Machining · Automated Lines · Intelligent Control

JIA KUN

Multiple Certifications

CERTIFICATE
ATTESTATION CERTIFICATE
OF MACHINERY AND ELECTROMAGNETIC
COMPATIBILITY AND LOW VOLTAGE DIRECTIVES

实用新型专利证书

高新技术企业证书

实用新型专利证书

高新技术企业证书

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(Selected patents shown due to space limitations)