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GOOD FAITH



The spirit of integrity

Integrity is a moral category, the second "identity card" of a citizen, and a general term for the honesty in daily behavior and the credit in formal communication.





COMPANY PROFILE

Taizhou Gao Guang CNC Machine Tool Manufacturing Co., Ltd. is a professional manufacturer of CNC lathes integrating research and development, production and manufacturing, marketing, and after-sales service. Since its establishment, the company has won the trust of customers with high-quality products, reasonable prices, professional technology, and honest services, fully demonstrating the company's corporate style of seeking survival by quality and development by reputation. Together with numerous partners, it has promoted the rapid development of China's machining industry! Our company adheres to the principle of striving for perfection, continuous exploration, and innovation, and has developed new machine models that keep up with the trend of the times to meet the needs of our vast number of users. We sincerely hope that we can join hands and forge ahead to explore the future!

join hands
and move
forward

Gaoguang
Manufacturing

Pioneer
the future

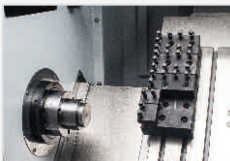


GAO GUANG WEI CHENG

Slant-bed Turret Lathe Linear-Guide CNC Lathe

G-350

Operating system optional



● PRODUCT FEATURES

It adopts high-strength cast iron 45-degree inclined bed base structure, with novel design, humanized operation panel and fully enclosed protection; The main shaft adopts a main shaft unit and undergoes dynamic balancing treatment to increase the rotating speed of the main shaft and improve the roughness of the processed parts; The guide rails feature linear guides for high precision.

● MACHINE TOOL PROCESSING

The most suitable processing field for this machine: Aviation equipment, optical precision parts, automobile parts, electronic connectors, advanced button fittings, small valves, clock parts, threaded joints and so on. It is especially good for processing small parts, precision parts and non-ferrous metals.

- Small hardware parts: steel parts, stainless steel parts, copper and aluminum parts
- Short shafts, disk parts: precision pins, bushings, spindles, rings
- Precision threads: high-grade threaded joints, precision spindle locking caps, dental compound nuts



● TECHNICAL PARAMETERS

G-350	Item	unit	reference data
Main work parameters	Max.rotation d. of bed	mm	Φ 325
	Max. Bar d. on carriage	mm	Φ 120
Feed	X axis rapid traverse speed	mm/min	20000
	Z axis rapid traverse speed	mm/min	24000
	X axis max.stroke	mm	300
	Z axis max.stroke	mm	250
Machining precision	X.Z repeat positioning accuracy	mm	± 0.003
	X.Z positioning accuracy	mm	± 0.005
Spindle	Spindle speed	rpm	50–3000(Optional Spindle Units)
	Main motor	Kw	4(Servo without indexing)
	Spindle through hole d.	mm	Φ 49(Optional hydraulic Φ 34)
	Lathe structure		45° slanting bed
Others	Tool holder mode		Tool holder
	Lubrication method		auto
	Cooling pump power	W	90
	illumination	V	220
	system		choose
	Machine size (L*W*H)	mm	1730x1200x1640
	Machine weight	T	1.3

Note: There may be errors between this product description, data and actual, subject to change without notice.



GAO GUANG WEICHENG

Slant-bed Turret Lathe Linear-Guide CNC Lathe

G-360L/460

Operating system optional



• PRODUCT FEATURES

It adopts a 45-degree inclined bed base structure made of high-strength cast iron, with a novel appearance design, a user-friendly operation panel, and full enclosure protection.

The spindle uses a spindle unit and has undergone dynamic balance treatment, which improves the spindle speed and enhances the surface roughness of the machined parts.

Linear guide rails are used for the guide rails, enabling high precision.

• MACHINE TOOL PROCESSING

The most suitable processing fields for this machine tool are: aviation equipment, optical precision parts, automotive components, electronic connectors, high-grade button accessories, small valves, watch parts, threaded joints, etc. It has particularly excellent processing performance for small parts, precision parts, and non-ferrous metals.

- Small hardware parts: Steel parts, stainless steel parts, copper and aluminum parts
- Short shafts and disc-shaped parts: Precision shaft pins, shaft sleeves, main shafts, rings
- Precision threads: High-grade threaded joints, precision main shaft lock nuts, thread restoration nuts



• TECHNICAL PARAMETERS

	Item	unit	G-360L	G-460
Main work parameters	Max.rotation d. of bed	mm	Φ 360	Φ 360
	Max. Bar d. on carriage	mm	Φ120	Φ120
	Max. Feed d. through spindle	mm	Φ 35	Φ 46
Feed	X axis rapid traverse speed	mm/min	20000	20000
	Z axis rapid traverse speed	mm/min	24000	24000
	X axis max.stroke	mm	360	360
	Z axis max.stroke	mm	280	280
Machining precision	X.Z repeat positioning accuracy	mm	± 0.003	± 0.003
	X.Z positioning accuracy	mm	± 0.005	± 0.005
Spindle	Sleeve spindle		Φ150(A2-5)	Φ150(A2-5)
	Main motor	KW	5.5(Servo without indexing)	5.5(Servo without indexing)
	Spindle speed	mm	50-4000	50-4000
	Spindle through hole d.	rpm	Φ49(Optional hydraulic Φ36)	Φ56(Optional hydraulic Φ46)
	Chuck d.		choose(6inch/8inch)	choose(6inch/8inch)
Others	Lathe structure		45° slanting bed	45° slanting bed
	Spring collet		hydraulic	hydraulic
	Tool holder mode		Tool holder	Tool holder
	Lubrication method		auto	auto
	Cooling pump power	W	120	120
	illumination	V	220	220
	system		choose	choose
	Machine size (L*W*H)	mm	2000 x1420x1700	2000x1420x1700
Machine weight	T	1.8	1.8	

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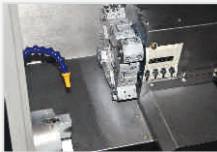


GAO GUANG WEICHENG

Tool turret machine Linear-Guide CNC Lathe

G-400

Operating system optional



• PRODUCT FEATURES

The machine tool is integrally cast with high - strength cast iron in a 30° inclined bed structure in Japan. It has a novel appearance design, a user - friendly operation panel, and full - enclosure protection.

The spindle adopts a sleeve - type spindle unit and has been dynamically balanced, which increases the spindle speed and improves the surface roughness of the machined parts.

The guideways use ball - type linear guideways, enabling high - precision machining.

• MACHINE TOOL PROCESSING

This machine tool is most suitable for processing in the following fields: aerospace materials, automotive parts, large valves, threaded joints, etc. It also performs particularly well in processing small parts, precision parts, and non - ferrous metals.

- For short - shaft and disk - type parts: precision shaft pins, bushings, main shafts, rings.
- For precision threads: high - end threaded joints, precision main shaft lock nuts, dental restoration nuts.



• TECHNICAL PARAMETERS

G-400	Item	unit	reference data
Main work parameters	Max. swing diameter of parts on the bed	mm	Φ 360
	Max. Bar d. on carriage	mm	Φ 36
	Max. Feed d. through spindle	mm	Φ 230
Feed	X axis rapid traverse speed	mm/min	20000
	Z axis rapid traverse speed	mm/min	24000
	X axis max.stroke	mm	200
	Z axis max.stroke	mm	260
Machining precision	X.Z repeat positioning accuracy	mm	± 0.003
	X.Z positioning accuracy	mm	± 0.004
Spindle	Spindle	mm	Φ 150(A2-5)
	Spindle speed	rpm	50-4000
	Spindle through hole d.	mm	Φ 49
	Main motor	Kw	5.5(Servomotor)
	Chuck d.	mm	6 inch
Servo hydraulic tool lower	Tool disc d.	mm	220
	Center high	mm	63(8 station)
Others	Lathe structure		30° slanting bed
	Clamping method		hydraulic
	Lubrication method		auto
	Cooling pump power	W	250
	illumination	V	220
	system		choose
	Machine size (L*W*H)	mm	1750x1370x1580
Machine weight	T	2.1	

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GAO GUANG WEICHENG

Tool turret machine Linear-Guide CNC Lathe

G-4033

Operating system optional



• PRODUCT FEATURES

This machine tool is most suitable for processing in the following fields: aerospace materials, optical precision parts, automotive components, electronic connectors, high - end button accessories, small valves, watch parts, threaded joints, etc. It is especially good at processing small parts, precision parts, and non - ferrous metals.

• MACHINE TOOL PROCESSING

This machine tool is most suitable for processing in the following fields: aerospace materials, automotive parts, large valves, threaded joints, etc. It also performs particularly well in processing small parts, precision parts, and non - ferrous metals.

- Small hardware parts: steel parts, stainless - steel parts, copper - aluminum parts
- Short - shaft and disk - type parts: precision shaft pins, bushings, main shafts, rings
- Precision threads: high - end threaded joints, precision main shaft lock nuts, dental restoration nuts



• TECHNICAL PARAMETERS

G-4033	Item	unit	reference data
Main work parameters	Max. swing diameter of parts on the bed	mm	Φ370
	Max. Bar d. on carriage	mm	Φ46
	Max. Feed d. through spindle	mm	Φ210
Feed	X axis rapid traverse speed	mm/min	20000
	Z axis rapid traverse speed	mm/min	24000
	X axis max.stroke	mm	220
	Z axis max.stroke	mm	400
Machining precision	X.Z repeat positioning accuracy	mm	± 0.003
	X.Z positioning accuracy	mm	± 0.005
Tailstock	Distance between two tops	mm	300
	Tailstock sleeve	Mohs Hardness	4#
Spindle	Spindle	mm	Φ170(A2-5)
	Spindle speed	rpm	50-4000
	Spindle through hole d.	mm	Φ56
	Main motor	Kw	5.5(Servomotor)
	Chuck d.	mm	6 inch
Servo hydraulic tool tower	Tool disc d.	mm	220
	Center high	mm	63(8 station)
Others	Lathe structure		45° slanting bed
	Clamping method		hydraulic
	Lubrication method		auto
	Cooling pump power	W	250
	illumination	V	220
	system		choose
	Machine size (L*W*H)	mm	2100x1550x1710
Machine weight	T	2.66	

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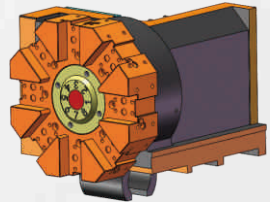
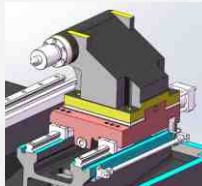


GAO GUANG WEICHENG

Japanese-style integrated Tool turret machine CNC high-low rail lathe

G-4035

Operating system optional



• PRODUCT FEATURES

1. The machine body is made of high - strength cast iron and integrally cast, featuring strong high - load capacity and wear resistance. With a 30° high - low rail integral inclined bed, it has excellent mechanical properties and stable supporting rigidity.
2. Independently developed Japanese - style integral turret with good rigidity.
3. The internal and external protection adopts an integral enveloping design to reduce the spillage of iron chips and water mist.
4. The main shaft is a rigid main shaft, with dynamic balance verification to improve the surface finish of products.
5. Equipped with high - precision linear guides to improve accuracy and extend the service life of the machine tool.
6. Lead screw pre - tensioning process effectively reduces the influence of lead screw heating on transmission accuracy. The lead screw adopts double - end support to enhance rigidity and accuracy.
7. Use a high - precision gantry machining center to process the installation datum surface of the machine tool, and a customized vertical and horizontal machining center to process functional components in one - go, improving the accuracy of functional components.



• TECHNICAL PARAMETERS

G-4035	Item	unit	reference data	Note
Main work parameters	Max.rotation d. of bed	mm	Φ 450	
	Max.swing diameter over the slide	mm	Φ 280	
	Max. Processing d.	mm	Φ 210	
Feed	Max. Processing length	mm	355	
	Type and code of spindle nose		A2-5	
	Chuck	mm	44	
	Spindle through hole d.	mm	Φ 56	
	Spindle speed		50-3000	
	Through - hole for pipe drawing, chuck	mm	44	
Main motor	Main motor power	Kw	5.5Kw	
Two axes	X/Z axis rapid traverse speed	m/min	20/20	
	X axis max.stroke	mm	240	
	Z axis max.stroke	mm	365	
Tool holder	Turret	80	80-8	Tool disc 280
	Tool disc	mm	280	
	Tool shank size	mm	25-25	
	Boring bar diameter	mm	Φ 25	
Others	Machine weight	T	2.2	
	Machine size (length*width*height)	mm	2000-1460-1650	
	Tailstock	mm	200	

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GAO GUANG WEICHENG

Tool turret machine Linear-Guide CNC Lathe

G-520

Operating system optional



● PRODUCT FEATURES

It adopts a high - strength cast iron 30 - degree inclined bed base structure, with a novel exterior design and a user - friendly operation panel, featuring full - enclosure protection.

The spindle uses a spindle unit and has undergone dynamic balancing treatment, which increases the spindle speed and improves the surface roughness of machined parts.

Linear guides are used for the guides, enabling high - precision operation.

● MACHINE TOOL PROCESSING

This machine tool is most suitable for processing in the following fields: aerospace materials, automotive parts, large valves, threaded joints, etc. It performs exceptionally well in machining precision parts and non - ferrous metals.

- Short shafts and disc - type parts: Precision shaft pins, bushings, spindles, rings
- Precision threads: High - end threaded joints, precision spindle lock nuts, dental nuts
- Tool shanks, gears, flanges and large - scale discs



● TECHNICAL PARAMETERS

G-520	Item	unit	reference data
Main work parameters	Max. swing diameter of parts on the bed	mm	Φ 500
	Max. Bar d. on carriage	mm	Φ 52
	Max. Feed d. through spindle	mm	Φ 330
Feed	X axis rapid traverse speed	mm/min	20000
	Z axis rapid traverse speed	mm/min	24000
	X axis max.stroke	mm	280
	Z axis max.stroke	mm	400
Machining precision	X.Z repeat positioning accuracy	mm	± 0.003
	X.Z positioning accuracy	mm	± 0.005
Spindle	Sleeve spindle	mm	Φ 200(A2-6)
	Spindle speed	rpm	50-3000
	Spindle through hole d.	mm	Φ 65
	Main motor	Kw	11(Servomotor)
	Chuck d.	mm	8 inch
Servo hydraulic tool tower	Tool disc d.	mm	Φ 330
	Center high	mm	80(8 station)
Others	Lathe structure		30° slanting bed
	Clamping method		hydraulic
	Lubrication method		auto
	Cooling pump power	W	370
	illumination	V	220
	system		choose
	Machine size (L*W*H)	mm	2210 x1680x1700
	Machine weight	T	3.0

Note: There may be errors between this product description, data and actual, subject to change without notice.



GAO GUANG WEICHENG

Tool turret machine Linear-Guide CNC Lathe

G-540

Operating system optional



● **PRODUCT FEATURES**

It adopts a 45 - degree inclined bed base structure made of high - strength cast iron, with a novel appearance design, a user - friendly operation panel, and full - enclosure protection. The spindle adopts a spindle unit and has undergone dynamic balancing treatment, which increases the spindle speed and improves the surface roughness of the machined parts. The guide rails adopt linear guide rails, enabling high - precision machining.

● **MACHINE TOOL PROCESSING**

This machine tool is most suitable for processing in the fields of aerospace materials, automotive parts, large valves, threaded joints, etc. It is especially good at processing small parts, precision parts, and non - ferrous metals.

- Short - shaft and disk - type parts: precision shaft pins, shaft sleeves, main shafts, rings
- Precision threads: high - end threaded joints, precision main shaft lock caps, multi - start nuts



● **TECHNICAL PARAMETERS**

G-540	Item	unit	reference data
Main work parameters	Max. swing diameter of parts on the bed	mm	Φ 450
	Max. Bar d. on carriage	mm	Φ 46
	Max. Feed d. through spindle	mm	Φ 251
Feed	X axis rapid traverse speed	mm/min	20000
	Z axis rapid traverse speed	mm/min	24000
	X axis max.stroke	mm	235
	Z axis max.stroke	mm	450
Machining precision	X.Z repeat positioning accuracy	mm	± 0.003
	X.Z positioning accuracy	mm	± 0.004
Tailstock	Distance between two tops	mm	380
	Tailstock sleeve	Mohs Hardness	5#
Spindle	Spindle	mm	Φ 170(A2-5)
	Spindle speed	rpm	50-3600
	Spindle through hole d.	mm	Φ 56
	Main motor	Kw	7.5(Servomotor)
	Chuck d.	mm	8 inch
Servo hydraulic tool lower	Tool disc d.	mm	300
	Center high	mm	80(8 station)
Others	Lathe structure		45° slanting bed
	Clamping method		hydraulic
	Lubrication method		auto
	Cooling pump power	W	250
	illumination	V	220
	system		choose
	Machine size (L*W*H)	mm	2410x1500x1760
Machine weight	T	3.0	

Note: There may be errors between this product description, data and actual, subject to change without notice.

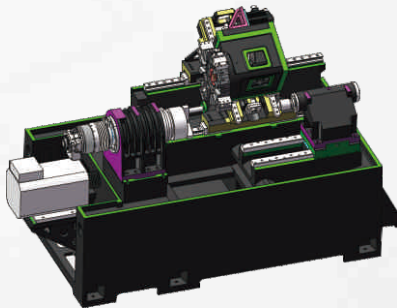


GAO GUANG WEICHENG

Japanese-style integrated Tool turret machine CNC high-low rail lathe

G-550

Operating system optional



● PRODUCT FEATURES

- 1.The machine body is made of high - strength cast iron and is integrally cast. It has strong high - load - bearing capacity and wear resistance. The 30° high - low rail integral inclined bed has excellent mechanical properties and stable supporting rigidity.
- 2.The self - developed Japanese - style integrated turret has good rigidity.
- 3.The internal and external protection adopts an overall enclosure type to reduce the spillage of iron chips and water mist.
- 4.The spindle is a rigid spindle, and dynamic balance verification is carried out to improve the surface finish of the product.
- 5.It is equipped with high - precision linear guide rails, which improves precision and extends the service life of the machine tool.
- 6.The lead screw pre - tensioning process is adopted to effectively reduce the influence of lead screw heating on transmission accuracy. The lead screw adopts double - end support to enhance rigidity and improve precision.
- 7.A high - precision gantry machining center is used to machine the installation reference surface of the machine tool, and a customized vertical and horizontal dual - purpose machining center is used to machine functional components in one - go, improving the precision of functional components.



● TECHNICAL PARAMETERS

G-550	Item	unit	reference data	Note
Main work parameters	Max.rotation d. of bed	mm	Φ 550	
	Max.swing diameter over the slide	mm	Φ 320	
	Max. Processing d.	mm	Φ 450	
	Max. Processing length	mm	530	Product length
	Tailstock travel distance	mm	120	
Feed	Type and code of spindle nose		A2-6	
	Chuck through - hole	mm	Φ Φ 52	
	Spindle through hole d.	mm	65	
	Spindle speed		50-3000 Stepless	
Main motor	Main motor power	Kw	11Kw	Servomotor
Two axes	X/Z axis rapid traverse speed	m/min	20/24	
	X axis max.stroke	mm	270(radius)	
	Z axis max.stroke	mm	550	
Tool holder	Tool holder mode		Servo tool tower	
	Tool disc	mm	360	100-station turret
	Tool shank size	mm	25-25	
Others	Boring bar diameter	mm	Φ 40	
	Machine weight	T	3.8	
	Machine size (length*width*height)	mm	2550 x1600x1900	
	Tailstock		Hydraulic tailstock	Morse No. 5

Note:There may be errors between this product description, data and actual, subject to change without notice.



GAO GUANG WEI CHENG

Tool turret machine Linear-Guide CNC Lathe

G-600

Operating system optional



• PRODUCT FEATURES

It adopts a 30 - degree inclined bed base structure made of high - strength cast iron, featuring a novel appearance design, a user - friendly operation panel, and full - enclosure protection. The spindle uses a spindle unit and has undergone dynamic balancing treatment, which increases the spindle speed and improves the surface roughness of machined parts. Linear guide rails are adopted to achieve high precision.

• MACHINE TOOL PROCESSING

This machine tool is most suitable for processing aerospace materials, automotive components, large valves, threaded joints, etc. It performs particularly well in processing precision parts and non - ferrous metals.

- Short - shaft and disk - type parts: precision shaft pins, shaft sleeves, main shafts, rings
- Precision threads: high - end threaded joints, precision main shaft lock caps, multi - start nuts
- Large - sized disk - type parts such as tool shanks, gear discs, and flanges



• TECHNICAL PARAMETERS

G-600	Item	unit	reference data
Main work parameters	Max. swing diameter of parts on the bed	mm	Φ 600
	Max. Bar d. on carriage	mm	Φ 75
	Max. Feed d. through spindle	mm	Φ 400
Feed	X axis rapid traverse speed	mm/min	20000
	Z axis rapid traverse speed	mm/min	24000
	Y axis rapid traverse speed	mm/min	/
	X axis max.stroke	mm	300
	Z axis max.stroke	mm	700
	Y axis max.stroke	mm	/
Machining precision	Repeat positioning accuracy	mm	X0.004/Z0.005
	Positioning accuracy	mm	± 0.005(X,Z)
Spindle	Sleeve spindle	mm	Φ 230(A2-8)
	Spindle speed	rpm	50-2500
	Spindle through hole d.	mm	Φ 86
	Main motor	Kw	11(Servo motor)
	Chuck d.	mm	10 inch
Servo hydraulic tool tower	Tool disc d.	mm	Φ 420
	Turret	-	12(100)
Tailstock	Distance between centers	mm	670(hydraulic)
	Sleeve	Mohs Hardness	5#
Others	Lathe structure	-	30° slanting bed
	Clamping method	-	hydraulic
	Lubrication method	-	auto
	Cooling pump power	W	750
	illumination	V	220
	Chip conveyor	-	Chain type chip conveyor
	Machine size (L*W*H)	mm	2880 x1800x2200
	Machine weight	T	4.9

Note: There may be errors between this product description, data and actual, subject to change without notice.



GAO GUANG WEICHENG

Turn-mill composite Linear-Guide CNC Lathe

G-520S

Operating system optional



• PRODUCT FEATURES

It adopts a 30 - degree inclined bed base structure made of high - strength cast iron, with a novel appearance design, a user - friendly operation panel, and full - enclosure protection. The spindle uses a spindle unit and has been dynamically balanced, which increases the spindle speed and improves the surface roughness of the machined parts. Linear guide rails are used to achieve high precision.

• MACHINE TOOL PROCESSING

This machine tool is most suitable for processing in the fields of aerospace materials, automotive components, large valves, threaded joints, etc. It is especially good at processing small parts, precision parts, and non - ferrous metals.

- Short - shaft and disk - type parts: precision shaft pins, shaft sleeves, main shafts, rings
- Precision threads: high - end threaded joints, precision main - shaft lock caps, multi - start nuts



• TECHNICAL PARAMETERS

G-520S	Item	unit	reference data
Main work parameters	Max. swing diameter of parts on the bed	mm	Φ 560
	Max. Bar d. on carriage	mm	Φ 52
	Max. Feed d. through spindle	mm	Φ 320
Feed	X axis rapid traverse speed	mm/min	20000
	Z axis rapid traverse speed	mm/min	24000
	Y axis rapid traverse speed	mm/min	10000
	X axis max.stroke	mm	200
	Z axis max.stroke	mm	350
	Y axis max.stroke	mm	± 45
Machining precision	Repeat positioning accuracy	mm	± 0.005(X.Y.Z)
	Positioning accuracy	mm	± 0.005(X.Y.Z)
Spindle	Sleeve spindle	mm	Φ 200(A2-6)
	Spindle speed	rpm	50-3000
	Spindle through hole d.	mm	Φ 65
	Main motor	Kw	11(Servo motor)
	Chuck d.	mm	8 inch
Servo hydraulic tool tower	Tool disc d.	mm	Φ 290
	BMT45	mm	12 - station live tool turret
Others	Lathe structure	-	30° slanting bed
	Clamping method	-	hydraulic
	Lubrication method	-	auto
	Cooling pump power	W	750
	illumination	V	220
	system	-	choose
	Machine size (L*W*H)	mm	2400x1680x1950
Machine weight	T	3.3	

Note: There may be errors between this product description, data and actual, subject to change without notice.



GAO GUANG WEI CHENG

Turn-mill composite Linear-Guide CNC Lathe

G-655S

Operating system optional

Lifting power turret



• PRODUCT FEATURES

It adopts a 30 - degree inclined bed base structure made of high - strength cast iron, with a novel appearance design, a user - friendly operation panel, and full - enclosure protection. The spindle uses a spindle unit and has undergone dynamic balancing treatment, which increases the spindle speed and improves the surface roughness of machined parts. Linear guide rails are adopted to achieve high precision.

• MACHINE TOOL PROCESSING

This machine tool is most suitable for processing aerospace materials, automotive components, large valves, threaded joints, etc. It performs particularly well in processing precision parts and non - ferrous metals.

- Short - shaft and disk - type parts: precision shaft pins, shaft sleeves, main shafts, rings
- Precision threads: high - end threaded joints, precision main shaft lock caps, multi - start nuts
- Large - sized disk - type parts such as tool shanks, gear discs, and flanges



• TECHNICAL PARAMETERS

G-655S	Item	unit	reference data
Main work parameters	Max. swing diameter of parts on the bed	mm	Φ 630
	Max. Bar d. on carriage	mm	Φ 52
	Max. Feed d. through spindle	mm	Φ 400
Feed	X axis rapid traverse speed	mm/min	20000
	Z axis rapid traverse speed	mm/min	24000
	Y axis rapid traverse speed	mm/min	10000
	X axis max.stroke	mm	280
	Z axis max.stroke	mm	650
	Y axis max.stroke	mm	± 45
Machining precision	Repeat positioning accuracy	mm	± 0.005(X.Y.Z)
	Positioning accuracy	mm	± 0.005(X.Y.Z)
Spindle	Sleeve spindle	mm	Φ 200(A2-6)
	Spindle speed	rpm	50-3000
	Spindle through hole d.	mm	Φ 65
	Main motor	Kw	16 (Rear-mounted servo motor)
	Chuck d.	mm	8 inch
Servo hydraulic tool tower	Tool disc d.	mm	Φ 330
	Turret	-	12 (BMT55)Live tool turret
Tailstock	Distance between centers	mm	620
	Sleeve	Mohs Hardness	5#
Others	Lathe structure	-	30° slanting bed
	Clamping method	-	hydraulic
	Lubrication method	-	auto
	Cooling pump power	W	750
	illumination	V	220
	Chip conveyor	-	Chain type chip conveyor
	Machine size (L*W*H)	mm	2880 x1800x2200
	Machine weight	T	5.0

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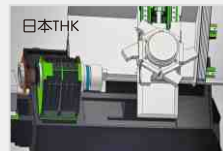


GAO GUANG WEICHENG

Special-purpose machine tool CNC differential special-purpose machine

Z-500

Operating system optional



• PRODUCT FEATURES

This machine tool adopts a high - strength cast iron base with a 30° inclined bed cast integrally.

Both internal and external protection adopt an overall enveloping - type design.

The spindle uses a sleeve - type spindle unit and has undergone dynamic balance verification.

High - precision ball - type linear guide rails are employed to enhance product accuracy.



• TECHNICAL PARAMETERS

Z-500	Item	unit	reference data
Main work parameters	Max.rotation d. of bed	mm	Φ 500
	Max. Travel of Slide	mm	Φ 330
Feed	Spindle end types and their designations	/	A2-6
	Chuck through - hole	mm	None
	Spindle through hole d.	mm	Φ 65
	Spindle speed	/	50-2800(Stepless)
Chuck	Back - pull type chuck	/	8 inch
Main motor	Main motor power	KW	11 Kw
Three axes	X/Z axis rapid traverse speed	m/min	20/24
	X axis max.stroke	mm	400
	Z axis max.stroke	mm	400
	A axis max.stroke	mm	360
Turret	Turret type	/	Horizontal servo-driven rotary tool turret
	Tool station	/	6
	Boring bar diameter	mm	Φ 32-40
Machining precision	X repeat positioning accuracy	mm	0.004
	Z repeat positioning accuracy	mm	0.005
Others	Machine weight	T	3.0
	Machine size (L*W*H)	mm	2210x1680x1700

Note: There may be errors between this product description, data and actual, subject to change without notice.

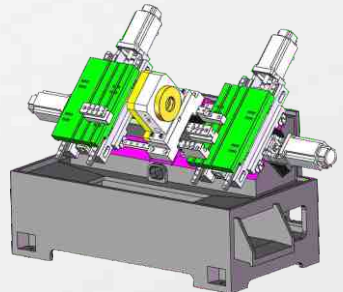


GAO GUANG WEI CHENG

Special-purpose machine tool CNC double-turret middle-drive

Z-C32

Operating system optional



● PRODUCT FEATURES

- 1.The machine body is made of high - strength cast iron and integrally cast, featuring strong high - load capacity and wear resistance. The 45° integral inclined bed has excellent mechanical properties and stable supporting rigidity.
- 2.The external protection adopts an overall enveloping type to reduce the spillage of iron chips and water mist.
- 3.The central shaft uses a high - precision rotary body from Taiwan and has undergone dynamic balance verification, which improves the surface finish of the product.
- 4.Equipped with high - precision linear guide rails from Taiwan, it improves precision and extends the service life of the machine tool.
- 5.The feed drive system is a complete set. The driving motor converts rotational motion into linear motion of the lead screw, driving the precision slide to achieve feed during the machining process. The lead screw adopts the pre - tensioning process of THK from Japan, effectively reducing the influence of lead screw heating on transmission accuracy. The lead screw uses double - end support to enhance rigidity and precision.
- 6.The machine tool is equipped with a lubrication system with automatic control of the lubrication cycle. There is an alarm device for lubrication to remind the operator not to forget refueling.
- 7.A high - precision gantry machining center is used to machine the installation reference surface of the machine tool, and a customized vertical and horizontal dual - purpose machining center is used to machine the functional components in one go, improving the precision of the functional components.



● TECHNICAL PARAMETERS

Z-C32	Item	unit	reference data	Notes
Main work parameters	Machining length	mm	150-500	Designed according to customer requirements
	Shortest length of spindle clamping position	mm	50	Single collet chuck
	Clamping diameter range of spindle collet	mm	Φ 5-32	Single customized collet
	Max. speed of central drive	r/min	2200	
Main motor	Main motor power	Kw	4	Designed according to customer requirements
Four-axis	X1、X2/Z1、Z2 axis rapid traverse speed	m/min	20/20	
	X1-X2 axis max.stroke	mm	580	Diameter
	Z1-Z2 axis max.stroke	mm	180	
Turret	Tool shank size	mm	20	
	Boring bar diameter	mm	25	
Machining precision	Roundness of machined workpiece	mm	0.008/Φ 50	
	Concentricity of machined workpiece	mm	0.012	
	X repeat positioning accuracy	mm	0.005	
	Z repeat positioning accuracy	mm	0.005	
Others	Machine weight	T	2.1	Approx.
	Machine size (L*W*H)	mm	1768x1390x1650	Approx.

Note: There may be errors between this product description, data and actual, subject to change without notice.

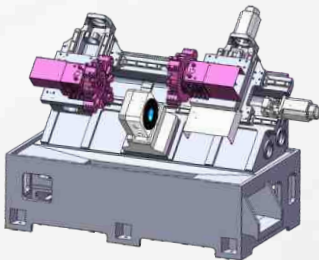


GAO GUANG WEICHENG

Special-purpose machine tool CNC double-turret middle-drive

Z-C65

Operating system optional



● PRODUCT FEATURES

- 1.The machine body is made of high - strength cast iron and integrally cast, featuring strong high - load capacity and wear resistance. The 45° integral inclined bed has excellent mechanical properties and stable supporting rigidity.
- 2.The external protection adopts an overall enveloping type to reduce the spillage of iron chips and water mist.
- 3.The central shaft uses a high - precision rotary body from Taiwan and has undergone dynamic balance verification, which improves the surface finish of the product.
- 4.Equipped with high - precision linear guide rails from Taiwan, it improves precision and extends the service life of the machine tool.
- 5.The feed drive system is a complete set. The driving motor converts rotational motion into linear motion of the lead screw, driving the precision slide to achieve feed during the machining process. The lead screw adopts the pre - tensioning process of THK from Japan, effectively reducing the influence of lead screw heating on transmission accuracy. The lead screw uses double - end support to enhance rigidity and precision.
- 6.The machine tool is equipped with a lubrication system with automatic control of the lubrication cycle. There is an alarm device for lubrication to remind the operator not to forget refueling.
- 7.A high - precision gantry machining center is used to machine the installation reference surface of the machine tool, and a customized vertical and horizontal dual - purpose machining center is used to machine the functional components in one go, improving the precision of the functional components.



● TECHNICAL PARAMETERS

Z-C65	Item	unit	reference data	Notes
Main work parameters	Machining length	mm	150–500	Designed according to customer requirements
	Shortest length of spindle clamping position	mm	150	
	Clamping diameter range of spindle collet	mm	Φ 20–72	Designed according to customer requirements
	Max. speed of central drive	r/min	1800	
Main motor	Main motor power	Kw	7.5KW	
Four-axis	X1、X2/Z1、Z2 axis rapid traverse speed	m/min	20/20	
	X1–X2 axis max.stroke	mm	430	Diameter
	Z1–Z2 axis max.stroke	mm	240	
Turret	Tool shank size	mm	25–25	
	Boring bar diameter	mm	Φ 32	
Machining precision	Roundness of machined workpiece	mm	0.008/Φ 50	
	Concentricity of machined workpiece	mm	0.012	
	X repeat positioning accuracy	mm	0.004	
	Z repeat positioning accuracy	mm	0.005	
Others	Machine weight	T	4.2	Approx.
	Machine size (L*W*H)	mm	2860 x1820x1780	Approx.

Note: There may be errors between this product description, data and actual, subject to change without notice.