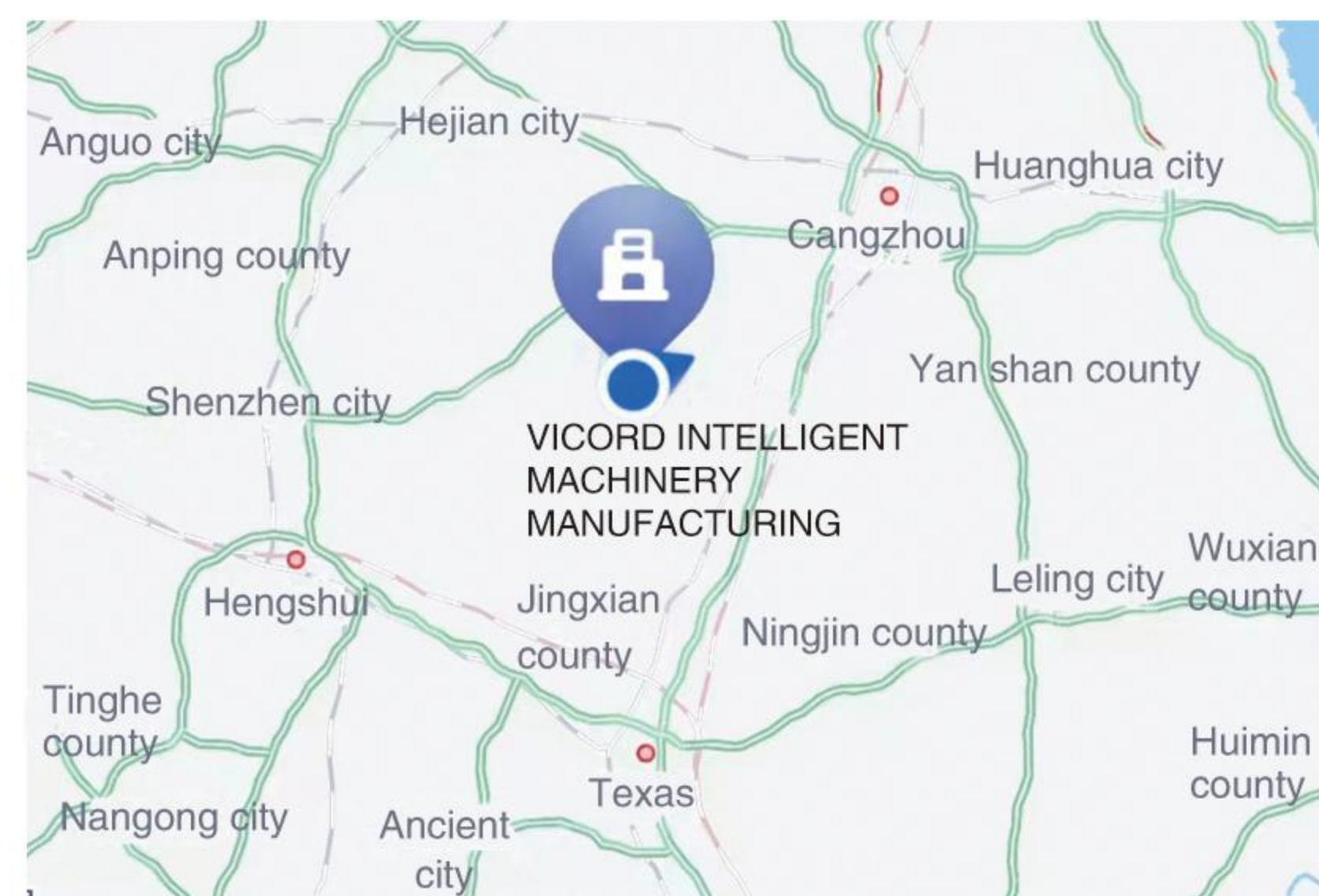


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3DVR全景二维码



<http://www.vicordmachinetool.com/>

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Botou Vicord

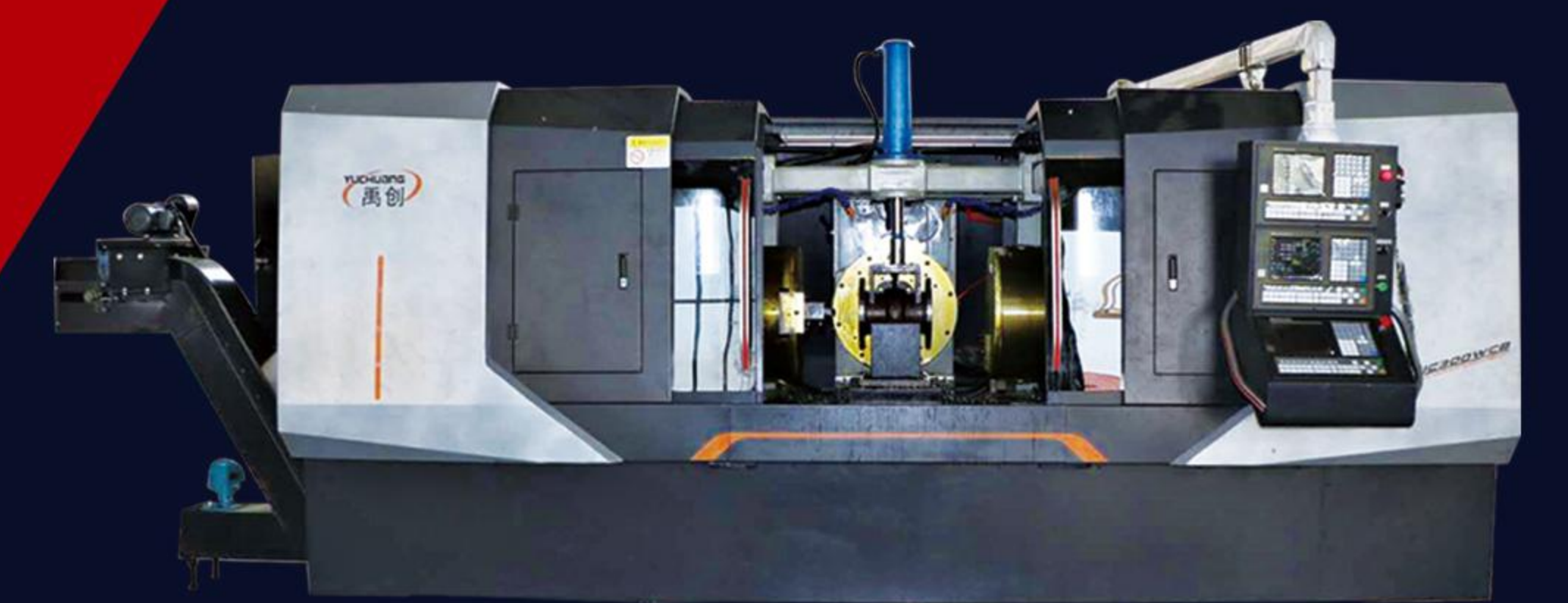


Hebei Yuchuang

Professional

Strength

Quality



VICORD Heavy industry YUCHUANG machinery

Professional design and production
of special machine tools

We can design all kinds of processing
equipment according to customer's requirements

» **About Vicord**

500+

The annual prodiction capacity is 500 sets

1

one-stop service

10+

More than 10 years of service edxpience

NO1

Machine tool No1



Botou Vicord Intelligent Machinery Manufacturing Co.,Ltd. is located in Botou, Hebei province, is a collection of scientific research, development, production of all kinds of valves, fittings, pumps, fire hydrants, automobile rearaxle, reducer and other processing of the professional team; I gathered a group of experienced modern enterprise innovation and development of excellent management and technical personnel, strong technical force, strong processing capacity. Our company strictly in accordance with the ISO9001 Quality Management System and advanced design standards at home and abroad design and manufacture of various types of special aircraft.

Strong processing capacity: processing workshop existing CNC gantry processing center 3, other types of processing center more than 10, more than ordinary processing equipment.

Our products are YCIIC series pump valve special machine tool for processing valve flangedn20-1200; YC3Z series multi-hole drilling machine for processing DN40-DN600 flange connecting hole; YCZG series drilling machine, YC3ZG series drilling and tapping integrated machine, which is used for processing the flange connecting hole of DN40-DN400, and the one-time forming combination machine for drilling and tapping thread of middle flange. YC2C2Z series double-car double-drilling combined machine, yCIIT series double-sided boringmachine can meet the processing needs of all kinds of double-ended boring machine parts.

Now our annual production capacity of more than 500 sets of equipment sold to Zhejiang, Jiangsu, Shanghai, Anhui, Henan, Hebei, Tianjin, Liaoning and other places. And exported to Russia, India, Vietnam, South Korea, Japan, Taiwan and more than 10 countries and regions; and users alike.

Our aim is quality first, customer first, reputation first, to develop domestic and foreign markets, quality productsand excellent service, welcome friends at home and abroad to visit cooperation, business negotiations.

Company culture

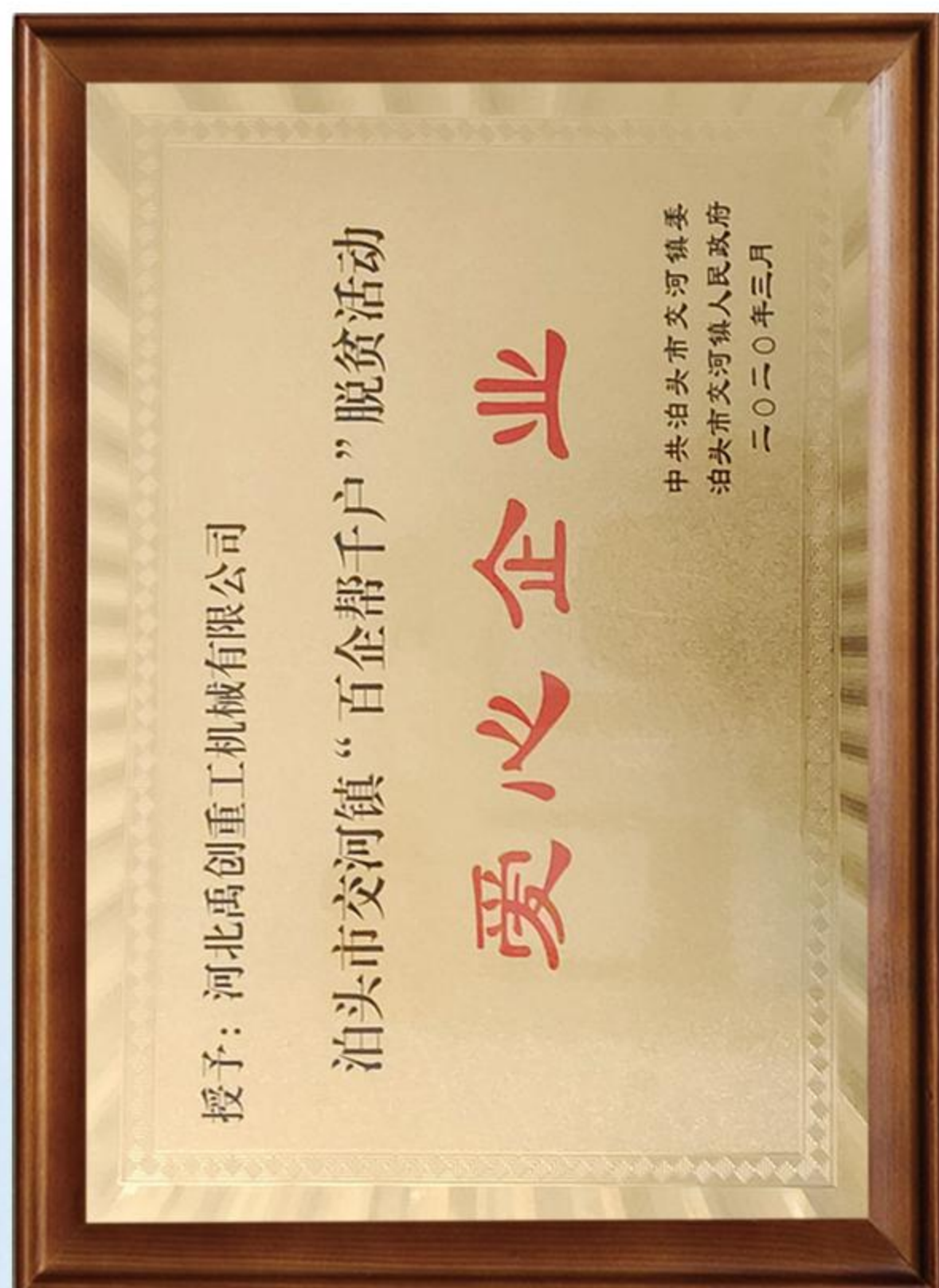
Vicord Spirit:Innovation,Dedication,Cooperation and win-win.
Vicord Vision:From manfacting to creation.
Lean management,comprehensive upgrading, becoming stronger and better,and being firsh-chass in china.
Carefully manufacture high-quality products.
Sincerely provide satisfactory customer service
Always remember :serving customers is the only reason for our ecistence.
Yuchuang lean management;
New 5S observation See
Stream Line
Standardize
Sequential PUL
Sustain
Vicord 's work spirit:carry it out to the end and implement
Vicord 's learning spirit:systematic thinking and team learning



9

WIN MANY
HONORS

We not only provide valve-added pre-sales services for customers, but also provide conceptual services for customers, thus forming a strategic partnership with customers; Quality is the foundation of products, and we will never allow any defective products to leave the factory. The awareness of quality products has penetrated into the hearts of every employee.

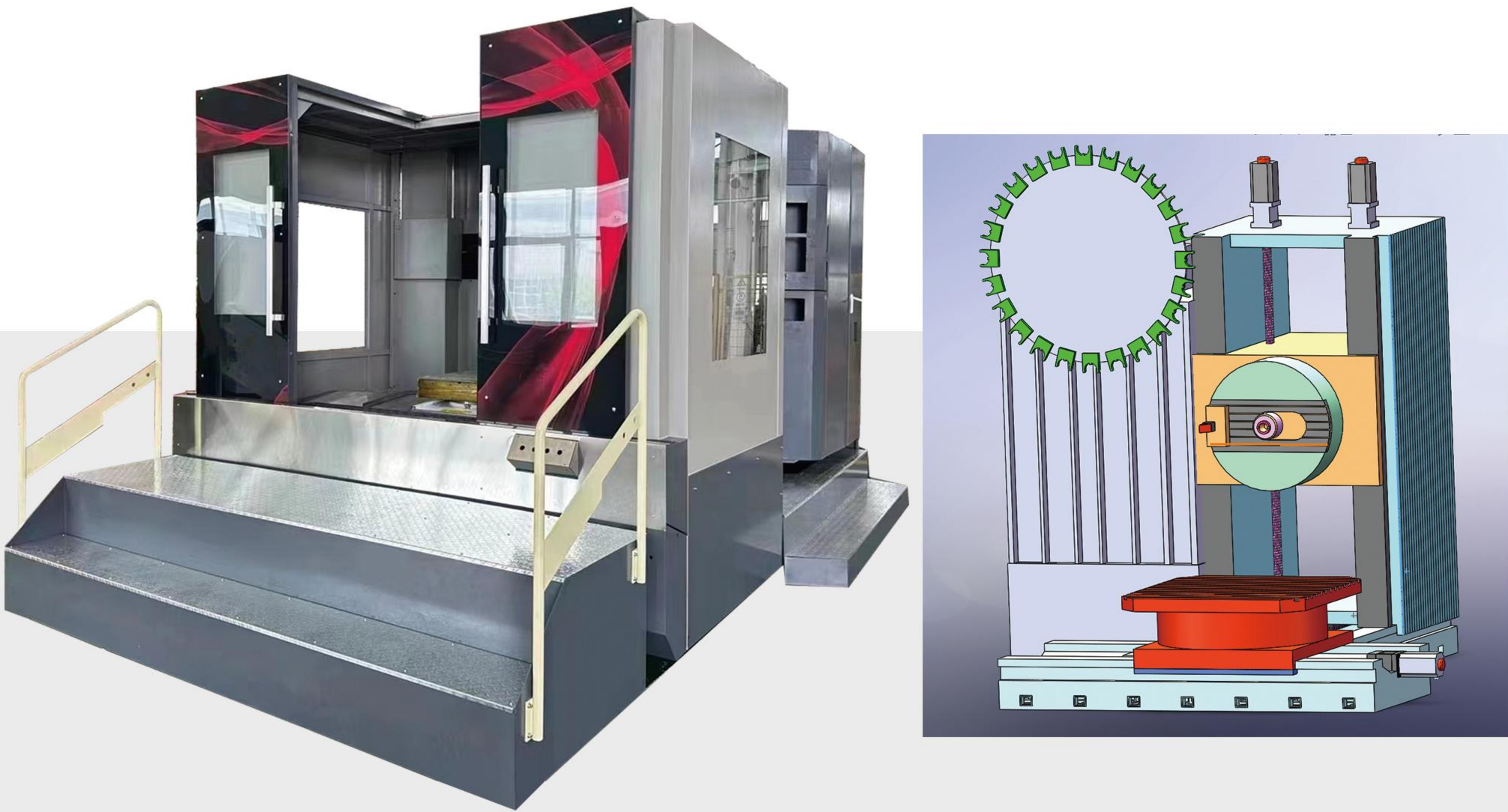


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COMPOSITE HORIZONTAL MACHINING CENTER

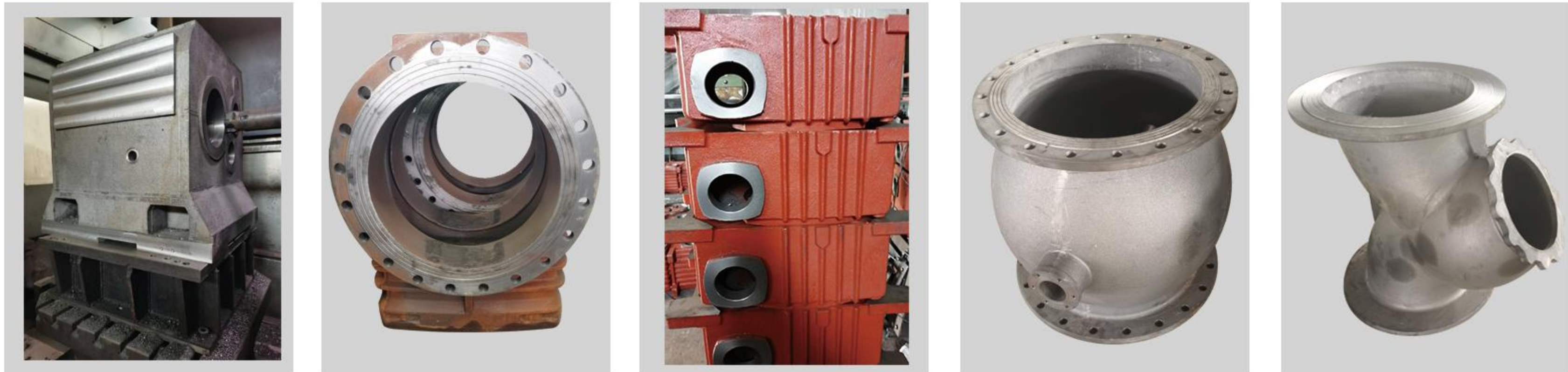
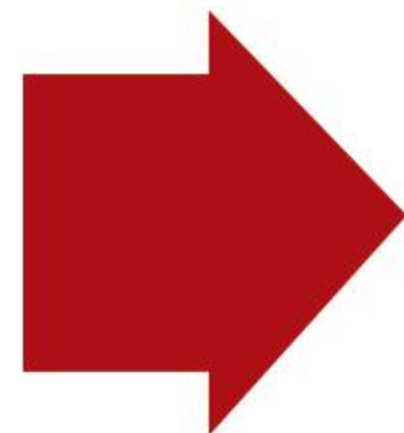
Simple and qulick operation | Improve processing efficiency | Save labor | Reduce cost



Introduction to horizontal machining center

YCWJ-1200 compound horizontal machining center is a kind of equipment developed according to industrial products, which is mainly suitable for multi-process machining of parts such as turning, drilling, boring, milling and tapping. It has the characteristics of completing multi-process machining of workpieces by clamping at one time, greatly reducing the reverse order problem of production process during machining and improving machining efficiency and accuracy. Machine tools are mainly composed of X-axis, Y-axis, Z-axis, B-axis, U-axis and BT50 spindle.

Processed Products



SPECIFICATIONS

Machine tool specification 机床规格	unit 单位	YCWJ-1200
X/Y/Z axis stroke X/Y/Z轴行程	mm	1800/1600/1100
Spindle Center to Worktable 主轴中心至工作台面	mm	180-1600
Spindle end face to workbench center 主轴端面至工作台中心	mm	400-1500
Turntable area 回转台面积	mm	1300X1300
Turntable indexing (optional) 回转台分度 (选配)	°	90° --1° --0.001°
Positioning accuracy of turntable 转台定位精度	"	± 20"
Repetitive positioning accuracy 重复定位精度	"	± 6"
Milling spindle 铣削主轴	BT	BT50
U-axis rotary disk speed U轴平旋盘转速	r/min	0-60
Milling spindle speed 铣削主轴转速	r/min	0-750r/min
U-axis flat disk diameter U轴平旋盘直径	mm	φ 1000
Spindle transmission mode 主轴传动方式		gear drive 齿轮传动
Guide rail form 导轨形式		Double rectangular guide rail 双矩形导轨
Tool magazine (optional) 刀库 (选配)	hold	10 tool positions-24 hat tool magazines-24 disc tool magazines. 刀位10把--斗笠式刀库24把-圆盘式刀库24把
Numerical control system (optional) 数控系统 (选配)		Guangshu-Kandy-New Generation 广数--凯恩帝--新代
Servo motor X/Y/Z/B 伺服电机X/Y/Z/B	Nm	30/30/30/18
Spindle servo motor 主轴伺服电机	KW	22KW
Protective form 防护形式		No-semi-protection-full protection 无--半防护--全防护
Overall dimensions of machine tool (length × width × height) 机床外形尺寸 (长 × 宽 × 高)	mm	4000 × 5000 × 4000
Machine tool weight 机床重量	KG	About 25000KG 约25000KG

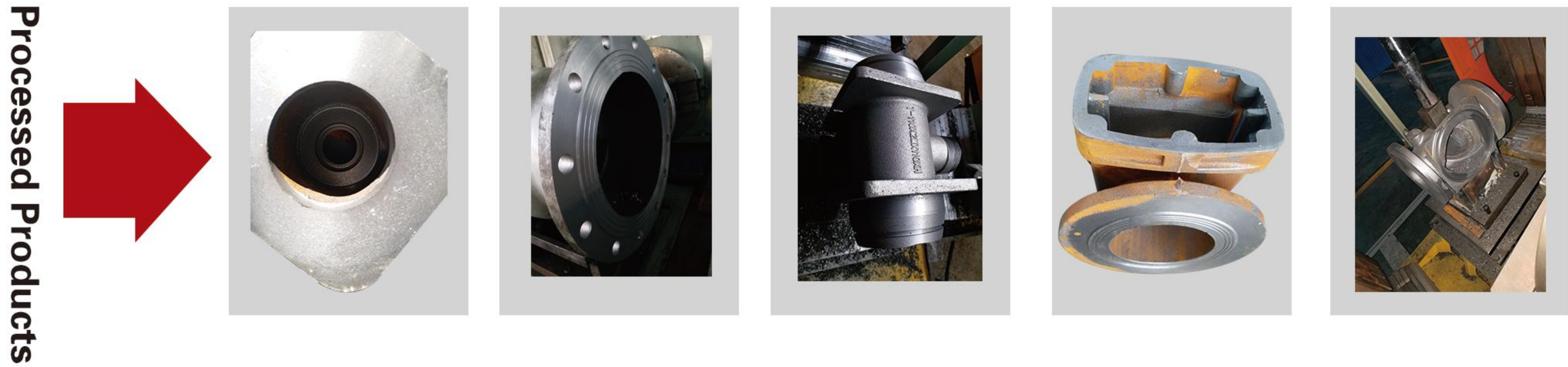
THREE-SIDED CNC BORING LATHE

Simple and qulick operation | Improve processing efficiency | Save labor | Reduce cost



Characteristics and advantages of machine tools

- The machine tool is controlled by a numerical control system, which is easy and fast to operate. Simultaneous processing of three surfaces is fast, improving processing efficiency, saving labor, and reducing costs.
1. The machine tool is suitable for processing various surfaces such as lubrication doors, pipe fittings, and fire hydrants that require parallelism and perpendicularity. It has high processing efficiency, uniform processing dimensions, and easy operation.
 2. High processing efficiency, the machine tool can complete the machining of three outer rings, planes or holes at the same time by using three power heads to work simultaneously during the machining process.
 3. Reducing manual labor, one dedicated machine is equivalent to the efficiency of three ordinary devices, and one person can operate 2-3 dedicated machines.
 4. The uniformity of machining dimensions is high, and this machine tool is completely controlled by a CNC system. Only one tool alignment is needed to repeatedly machine the same type of workpiece, thereby improving the uniformity of dimensions.
 5. Easy to operate, this special machine is completely controlled by a CNC system. Experienced CNC operators or those with a foundation in machine tool processing can learn it at a glance.

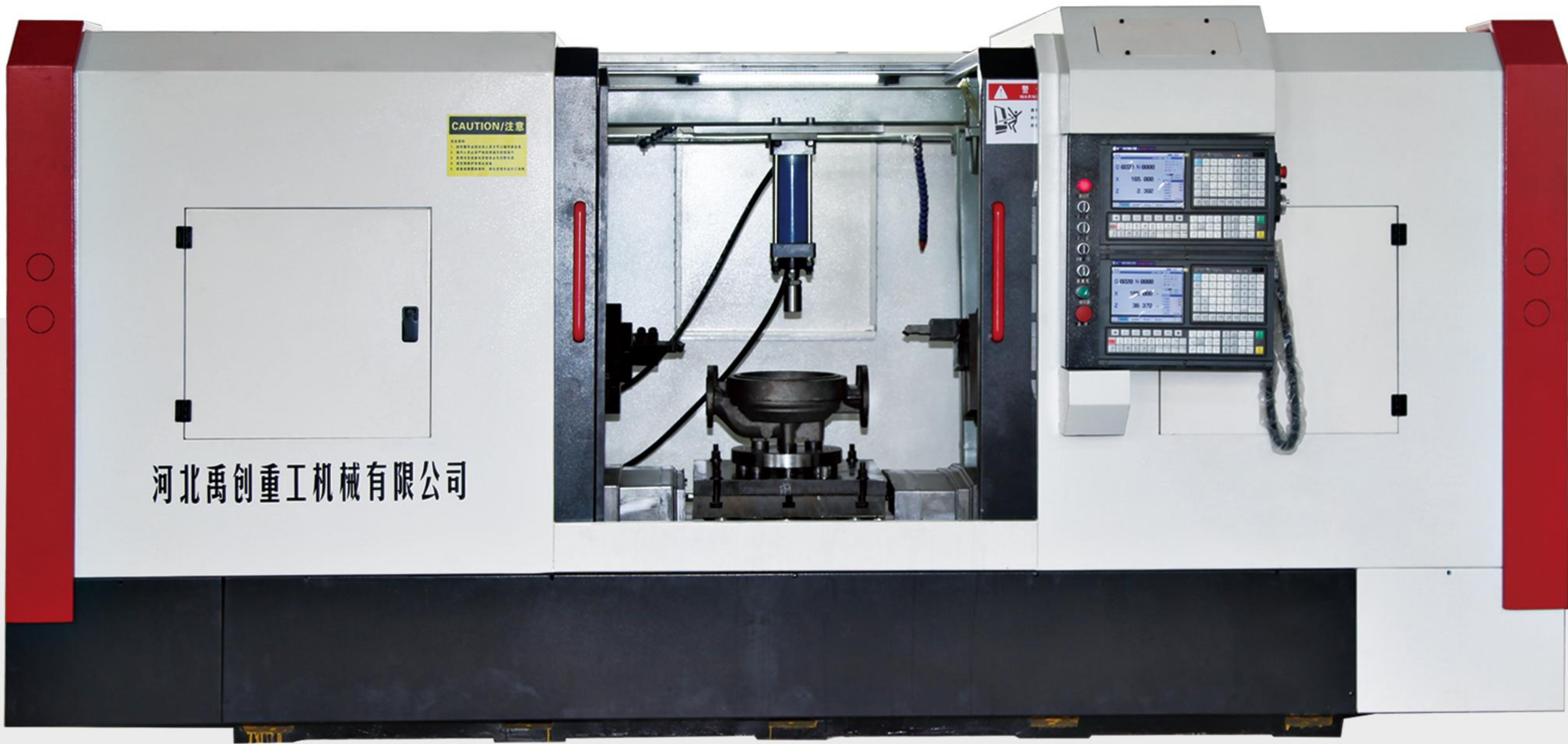


SPECIFICATIONS

Project 项目		Machine tool specification 机床规格	YC III C300HT	YC III C400HT	YC III C600HT	YC III C800HT
Technical specifications 技术规格	Maximum turning diameter (mm) 最大车削直径 (mm)		φ 460	φ 580	φ 840	φ 1025
	Maximum machining length(mm) 最大加工长度 (mm)		600	800	1000	1100
	Minimum machining length(mm) 最小加工长度 (mm)		200	300	300	400
	Intermediate flange to center maximum machining size(mm) 中间法兰至中心最大加工尺寸 (mm)		400	600	700	900
	Intermediate flange to center minimum machining size(mm) 中间法兰至中心最小加工尺寸 (mm)		150	200	200	250
	X-axis travel(mm) X轴行程 (mm)		170	270	450	570
	Z-axis travel(mm) Z轴行程 (mm)		280	395	450	450
Machining precision 加工精度	Coaxiality(mm) 同轴度 (mm)		≤0.1	≤0.1	≤0.15	≤0.2
	Parallelism(mm) 平行度 (mm)		≤0.1	≤0.1	≤0.15	≤0.2
	Verticality(mm) 垂直度 (mm)		≤0.1	≤0.1	≤0.15	≤0.2
	Surface roughness 表面粗糙度		6.3	6.3	6.3	6.3
Spindle drive 主轴传动	Transmission from (Gearshifting) 传动形式 (齿轮变速)		Four speed change 4档变速	Third speed change 3档变速	Second speed change 2档变速	Third speed change 3档变速
	Spindle motor range (r/min) 主轴转速范围 (r/min)		72-256	69-157	32-47	43-87
	Spindle motor model 主轴电机型号		YE2-132M-6-5.5KW	YE2-132M-6-5.5KW	YE2-160L-8-7.5KW	YE2-180L-8-11KW
Numerical control system (optional) 数控控制系统 (选配)		Nanjing Huaxing---Step System 南京华兴---步进系统	Nanjing Huaxing---Servo system 南京华兴---伺服系统	Guangzhou cnc---Stepping 广州数控---步进系统	Guangzhou cnc---Servo system 广州数控---伺服系统	
Feed form(optional) 进给形式 (选配)	Stepmptor 步进电机		24N.m	24N.m	35N.m	50N.m
	Actuating motor 伺服电机		7.7N.m	7.7N.m	10N.m	15N.m
Machine Bedoutersha	Full protection 全防护	Overall dimension of machinetool (length X width X height)(mm) 机床外形尺寸 (长X宽X高mm)	3800X2700X1700	4500X3300X2200	5000X3600X2200	5400X3900X2500
机床 外形	Simple protection 简易防护	Overall dimension of machinetool (length X width X height)(mm) 机床外形尺寸 (长X宽X高mm)	3600X2600X1700	4350X3200X2200	4800X3500X2200	5200X3800X2500
Machine tool weight (kg) 机床重量 (kg)			4500	6500	8000	11000

DOUBLE-SIDED CNC BORING LATHE

Simple and quick operation | Improve processing efficiency | Save labor | Reduce cost



Characteristics and advantages of machine tools

The machine tool is controlled by a numerical control system, which is easy and fast to operate. Simultaneous processing of two surfaces is fast, improving processing efficiency, saving labor, and reducing costs.

1. Machine tools are suitable for various reducers and turbine boxes: machining two surfaces or holes that require parallelism, heavy coaxiality, high machining efficiency, reduced manual labor, high uniformity of machining dimensions, and simple operation.

2. High processing efficiency: During the machining process, the CNC machine tool uses a power head to work simultaneously, which can complete the machining of two surfaces or holes at the same time.

3. Reduce labor: One person can operate two lathes.

4. High uniformity of machining dimensions: This machine tool fully adopts a CNC control system without the need for repeated tool alignment, thereby improving dimensional uniformity.

5. Easy to operate: The machine tool adopts a numerical control system, and those with numerical control experience can learn it immediately.



SPECIFICATIONS

Project 项目		Machine tool specification 机床规格	YC II C300HT	YC II C400HT	YC II C600HT	YC II C800HT
Technical specifications 技术规格		Maximum turning diameter (mm) 最大车削直径 (mm)	φ 460	φ 580	φ 840	φ 1025
		Maximum machining length(mm) 最大加工长度 (mm)	600	800	1000	1100
		Minimum machining length(mm) 最小加工长度 (mm)	200	300	300	400
		X-axis travel(mm) X轴行程 (mm)	170	270	450	570
		Z-axis travel(mm) Z轴行程 (mm)	280	395	450	450
Machining precision 加工精度		Coaxiality(mm) 同轴度 (mm)	≤0.1	≤0.1	≤0.15	≤0.2
		Parallelism(mm) 平行度 (mm)	≤0.1	≤0.1	≤0.15	≤0.2
		Surface roughness 表面粗糙度	6.3	6.3	6.3	6.3
Spindle drive 主轴传动		Transmission from (Gearshifting) 传动形式 (齿轮变速)	Four speed change 4档变速	Third speed change 3档变速	Second speed change 2档变速	Third speed change 3档变速
		Spindle motor range (r/min) 主轴转速范围 (r/min)	72-256	69-157	32-47	43-87
		Spindle motor model 主轴电机型号	YE2-132M-6-5.5KW	YE2-132M-6-5.5KW	YE2-160L-8-7.5KW	YE2-180L-8-11KW
Numerical control system (optional) 数控控制系统 (选配)		Nanjing Huaxing---Step System 南京华兴---步进系统	Nanjing Huaxing---Servo system 南京华兴---伺服系统	Guangzhou cnc---Stepping 广州数控---步进系统	Guangzhou cnc---Servo system 广州数控---伺服系统	
Feed form(optional) 进给形式 (选配)		Stepmotor 步进电机	24N.m	24N.m	35N.m	50N.m
		Actuating motor 伺服电机	7.7N.m	7.7N.m	10N.m	15N.m
Machine Bedoutersha	Full protection 全防护	Overall dimension of machinetool (length X width X height)(mm) 机床外形尺寸 (长X宽X高mm)	3800X1500X1700	4500X1800X2200	5000X1800X2200	5400X2300X2500
机床 外形	Simple protection 简易防护	Overall dimension of machinetool (length X width X height)(mm) 机床外形尺寸 (长X宽X高mm)	3600X1500X1700	4350X1800X2200	4800X1800X2200	5200X2300X2500
Machine tool weight (kg) 机床重量 (kg)			2800	4000	5700	8500

SINGLE-SIDED CNC BORING LATHE

Simple and quick operation | Improve processing efficiency | Save labor | Reduce cost



Characteristics and advantages of machine tools

The machine tool is controlled by a numerical control system, which is easy to operate, improves processing efficiency, saves labor, and reduces costs.

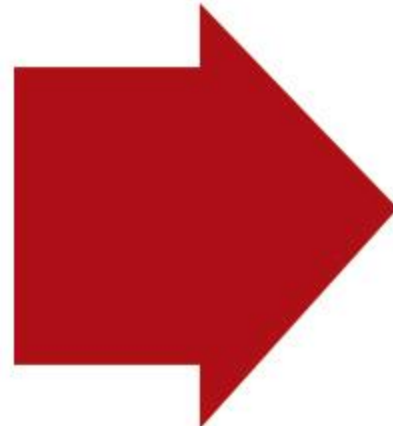
1. Machine tools are suitable for various valve bodies: Machine tools are suitable for the machining of key end faces, outer circles, flat surfaces, and inner holes of various valve bodies, with high machining efficiency, reduced manual labor, high uniformity of machining dimensions, and easy operation. The machine tool can process any valve body with three flange faces at an angle of 90 degrees, valve bodies with two flange faces on the same straight line, and valve bodies with a single flange face.

2. High processing efficiency: During the machining process, CNC machine tools can complete the machining of flange surfaces, end surfaces, and water lines at the same time by using the power head to work simultaneously, with a required time of 1-3 hours minute.

3. Reduce labor: One person can operate two lathes or one lathe and one drilling machine simultaneously.

4. Easy to operate: The machine tool is controlled by a numerical control system, and those with numerical control operation experience will learn it at once.

Processed Products

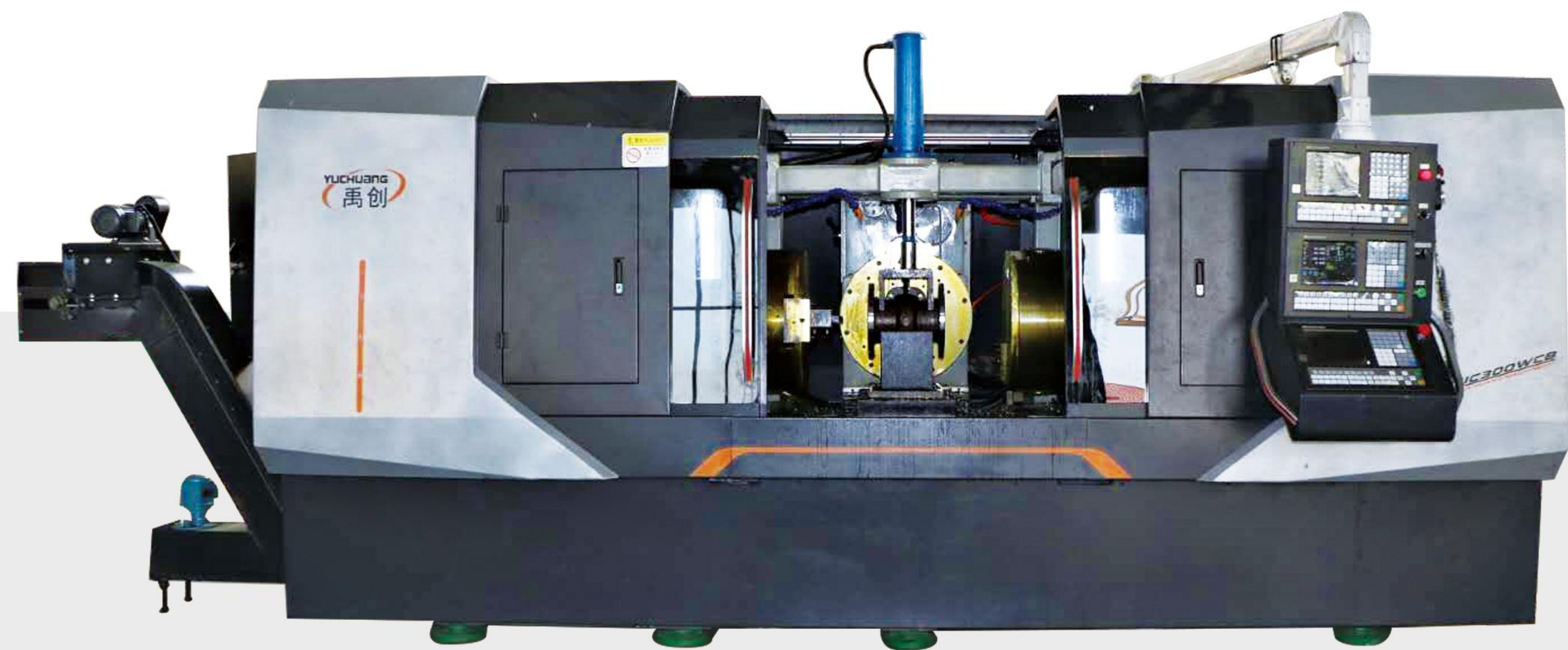


SPECIFICATIONS

Project 项目		Machine tool specification 机床规格	YCIC300HT	YCIC300HT-GLQ	YCIC600HT
Technical specifications 技术规格		Maximum turning diameter (mm) 最大车削直径 (mm)	φ 460	φ 460	φ 840
		X-axis travel(mm) X轴行程 (mm)	170	170	270
		Z-axis travel(mm) Z轴行程 (mm)	395	515	520
Machining precision 加工精度		Coaxiality(mm) 同轴度 (mm)	≤0.1	≤0.1	≤0.15
		Parallelism(mm) 平行度 (mm)	≤0.1	≤0.1	≤0.15
		Surface roughness 表面粗糙度	6.3	6.3	6.3
Spindle drive 主轴传动		Transmission from (Gearshifting) 传动形式 (齿轮变速)	Four speed change 4档变速	Four speed change 4档变速	Second speed change 2档变速
		Spindle motor range (r/min) 主轴转速范围 (r/min)	72-256	72-256	32-47
		Spindle motor model 主轴电机型号	YE2-132M-6-5.5KW	YE2-132M-6-5.5KW	YE2-160L-8-7.5KW
Numerical control system (optional) 数控控制系统 (选配)		Nanjing Huaxing---Step System 南京华兴---步进系统	Nanjing Huaxing---Servo system 南京华兴---伺服系统	Guangzhou cnc---Stepping 广州数控---步进系统	Guangzhou cnc---Servo system 广州数控---伺服系统
Feed form(optional) 进给形式 (选配)		Stepmptor 步进电机	24N.m	24N.m	35N.m
		Actuating motor 伺服电机	7.7N.m	7.7N.m	10N.m
Machine Bedoutersha 机床 外形	Full protection 全防护	Overall dimension of machinetool (length X width X height)(mm) 机床外形尺寸 (长X宽X高mm)	2300X1900X1700	2500X1900X1700	3000X2300X2500
	Simple protection 简易防护	Overall dimension of machinetool (length X width X height)(mm) 机床外形尺寸 (长X宽X高mm)	2100X1900X1700	2300X1900X1700	2700X1800X2300
Machine tool weight (kg) 机床重量 (kg)			1800	2000	4500

CAST STEEL THREE-SIDED CNC BORING LATHE

Simple and qulick operation | Improve processing efficiency | Save labor | Reduce cost



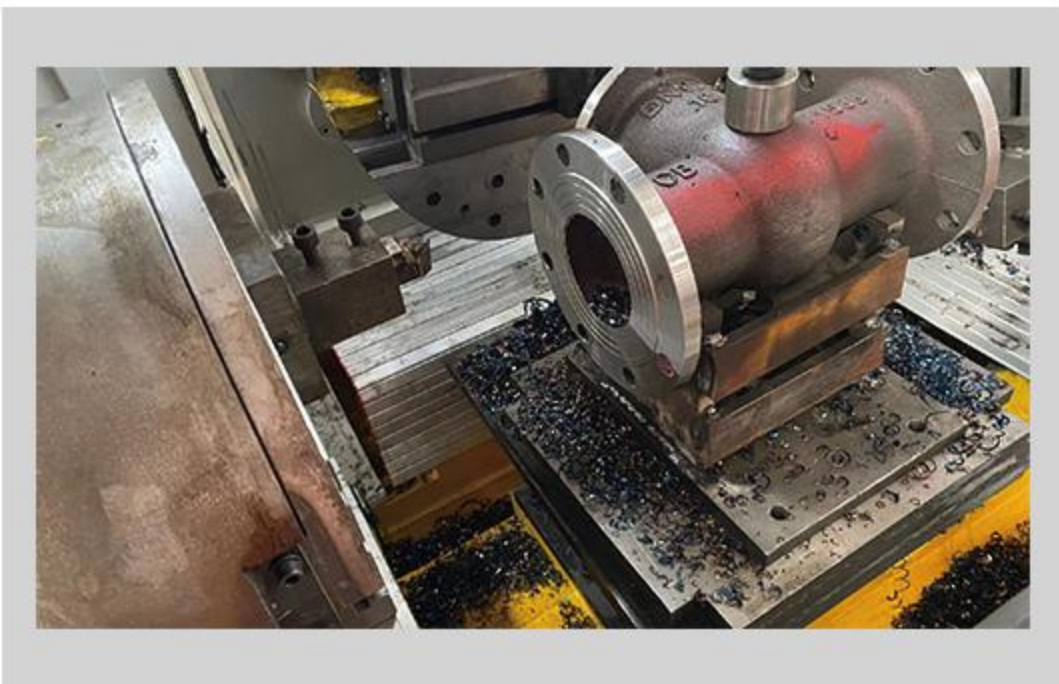
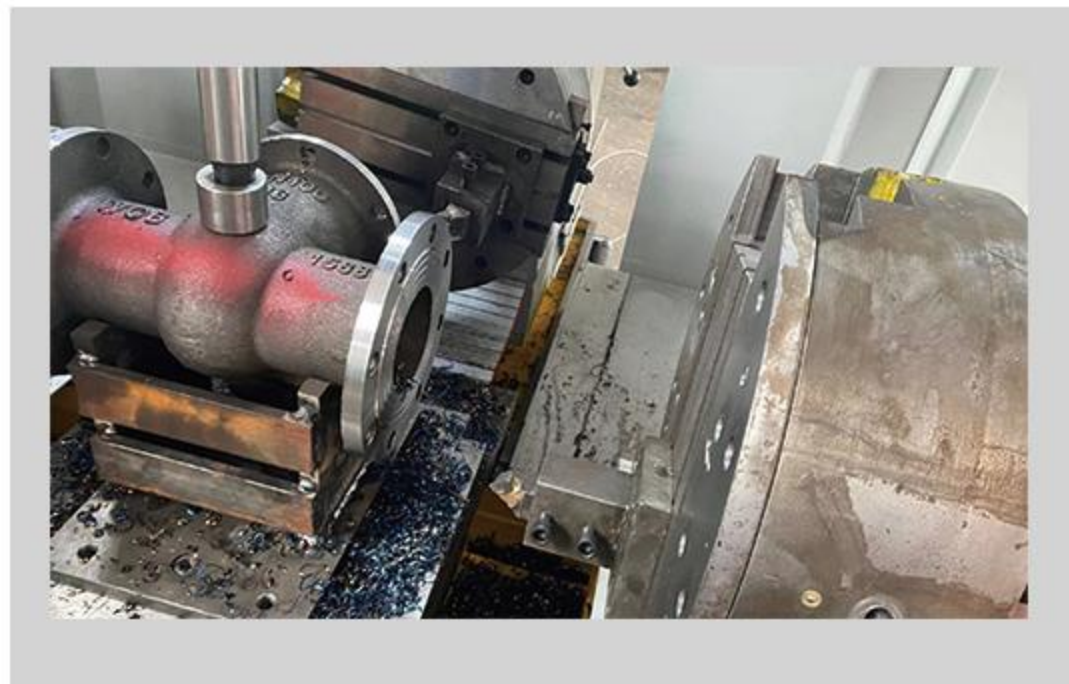
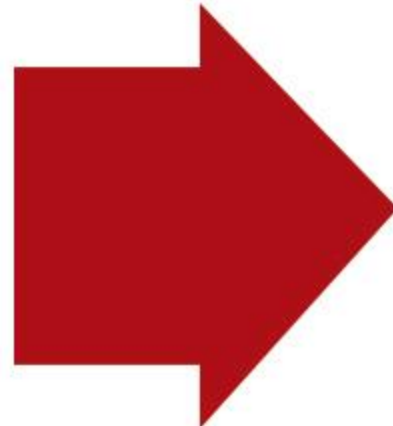
Characteristics and advantages of machine tools

The three sided horizontal CNC boring lathe is a machine developed by our company specifically for cast steel and stainless steel valve bodies, based on the characteristics of irregular sprues, large machining allowances, and high cutting hardness in cast steel valve casting.

This machine tool is suitable for various products such as pumps, valves, pipe fittings, fire hydrants, etc.

- 1. The machine tool is controlled by a control system and is easy to operate,
- 2. One clamping can complete multiple machining processes such as three flange surface outer circles, flat surfaces, water lines, chamfering, and boring.
- 3. High processing accuracy and strong stability,
- 4. high efficiency, 2-3 times that of ordinary lathes
- 5.Reduce labor and lower processing costs with 5 effects. 6 machines and beds have strong rigidity and long service life.

Processed Products

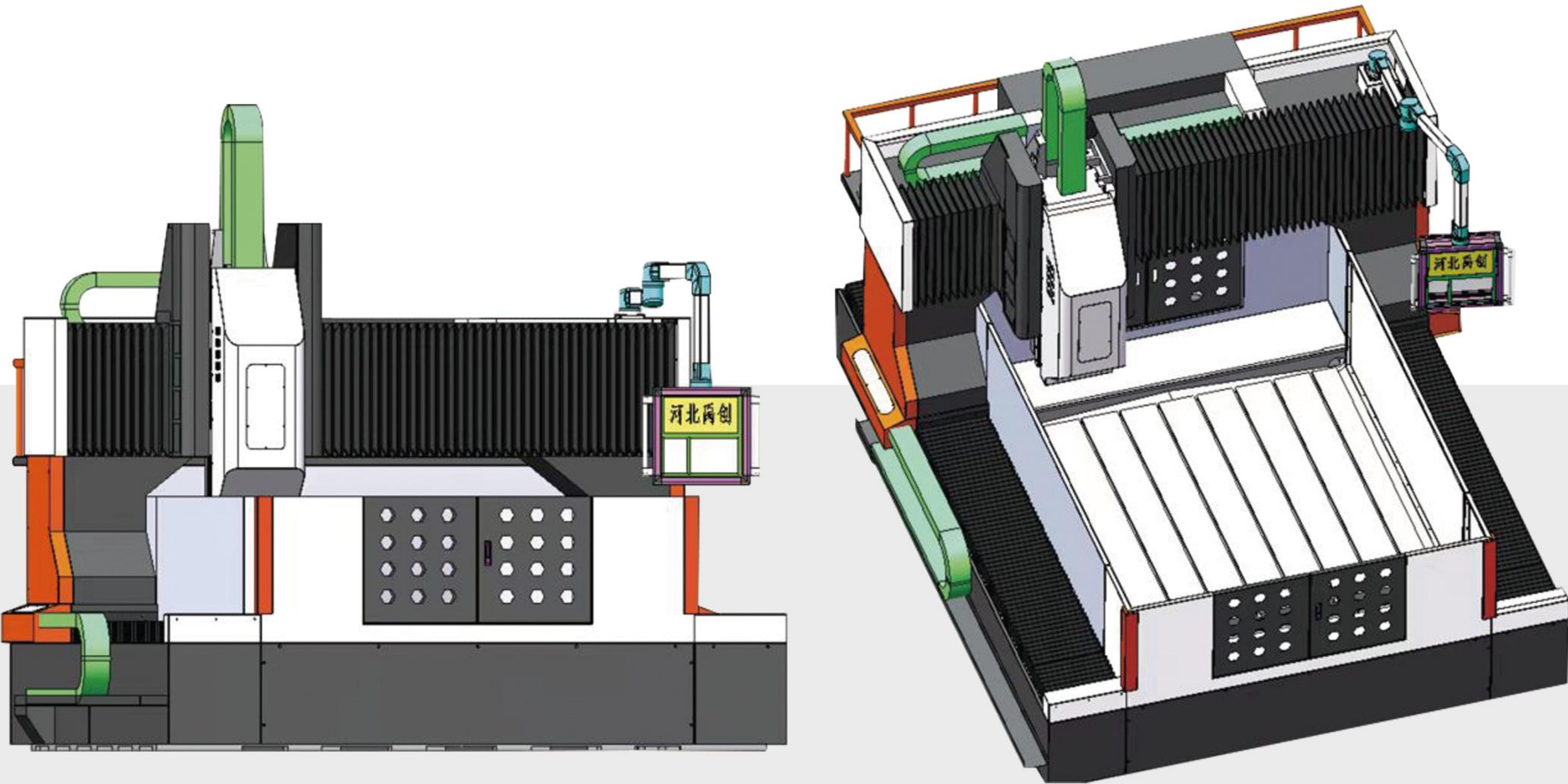


SPECIFICATIONS

Project 项目	Machine tool specification 机床规格	YCTB300ZG	YCIIBC300ZG
Technical specifications 技术规格	Maximum turning diameter (mm) 最大车削直径 (mm)	φ 550	φ 460
	Maximum machining length(mm) 最大加工长度 (mm)	500	600
	Minimum machining length(mm) 最小加工长度 (mm)	200	240
	Unilateral cutting amount (mm) 单边切削量 (mm)	5	3
	X-axis travel(mm) X轴行程 (mm)	160	170
	Z-axis travel(mm) Z轴行程 (mm)	300	300
Machining precision 加工精度	Coaxiality(mm) 同轴度 (mm)	≤0.1/500	≤0.1/500
	Parallelism(mm) 平行度 (mm)	≤0.1/500	≤0.1/500
	Verticality(mm) 垂直度 (mm)	≤0.1/500	≤0.1/500
	Surface roughness 表面粗糙度	3.2	3.2
Main transmission 主传动	Transmission from(Gearshifting) 传动形式 (齿轮变速)	Gear plus spindle servo speed regulation 档位加主轴伺服调速	Gear plus frequency converter speed regulation 档位加变频器调速
	Spindle motor range(r/min) 主轴转速范围 (r/min)	60rpm–250rpm	130rpm–350rpm
	Spindle motor 主轴电机	Spindle servo motor 7.5KW 主轴伺服电机7.5KW	Three-phase asynchronous motor 5.5KW 三相异步电机5.5KW
Numerical control system (servo) 数控系统 (伺服)	Huaxing CNC—servo system (system optional) 华兴数控—伺服系统 (系统可选配)		
Machine tool shape 机床外形	Full protection 全防护	4500 × 3000 × 2000	4000 × 2800 × 1750
Machine tool weight(ton) 机床重量 (吨)		10.8tons 10.8吨	5.5tons 5.5吨

2000-CNC LONGMEN DRILL

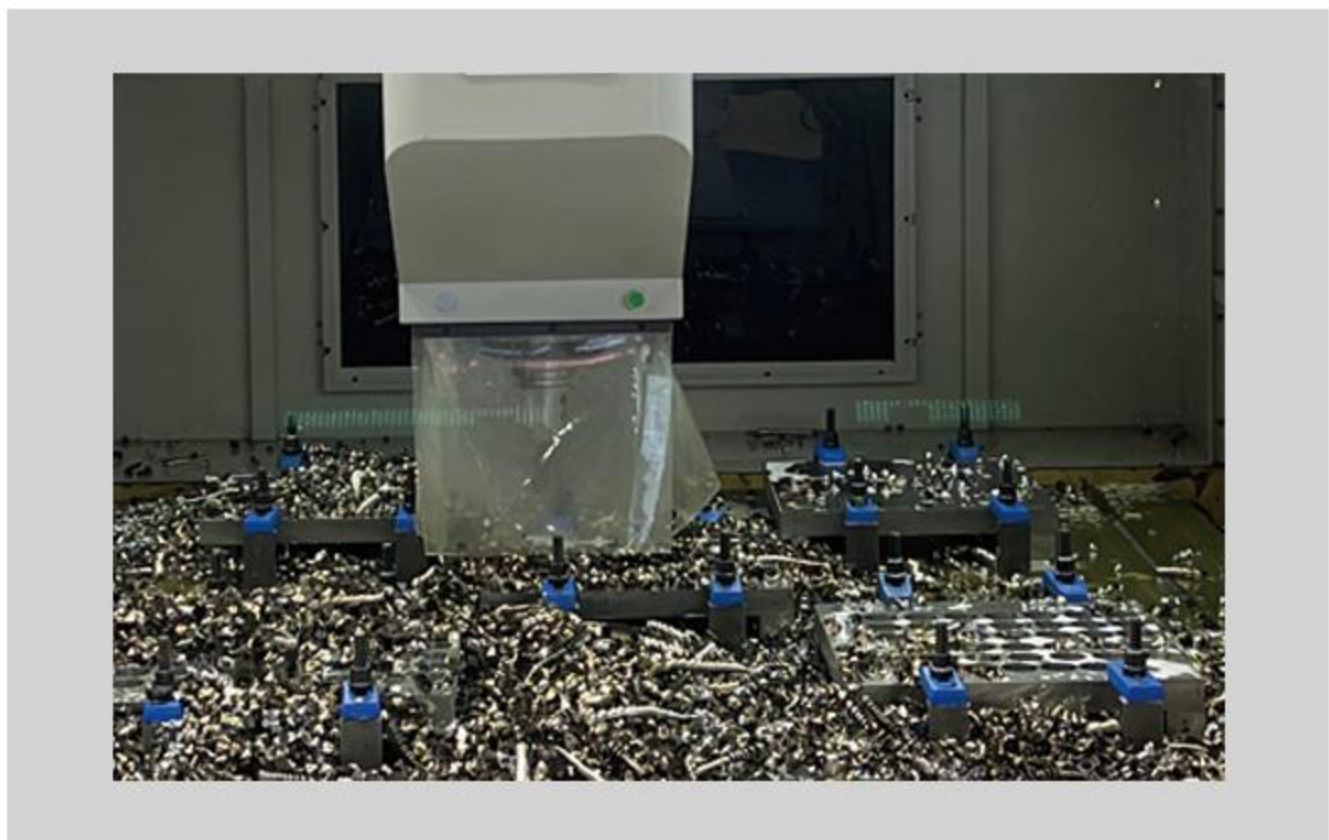
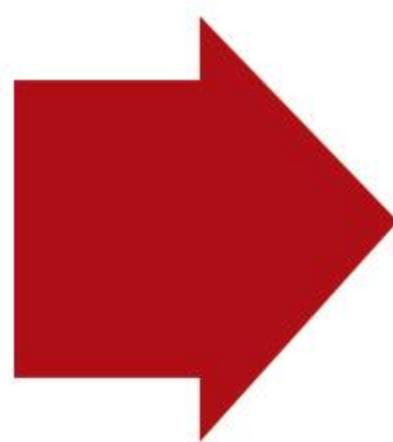
Simple and qulick operation | Improve processing efficiency | Save labor | Reduce cost



Characteristics and advantages of machine tools

This machine tool is arranged in a gantry column structure, with stable structure and space saving.
The bed, crossbeam, saddle, and pillow are made of HT250 material and have undergone manual aging treatment.

Processed Products

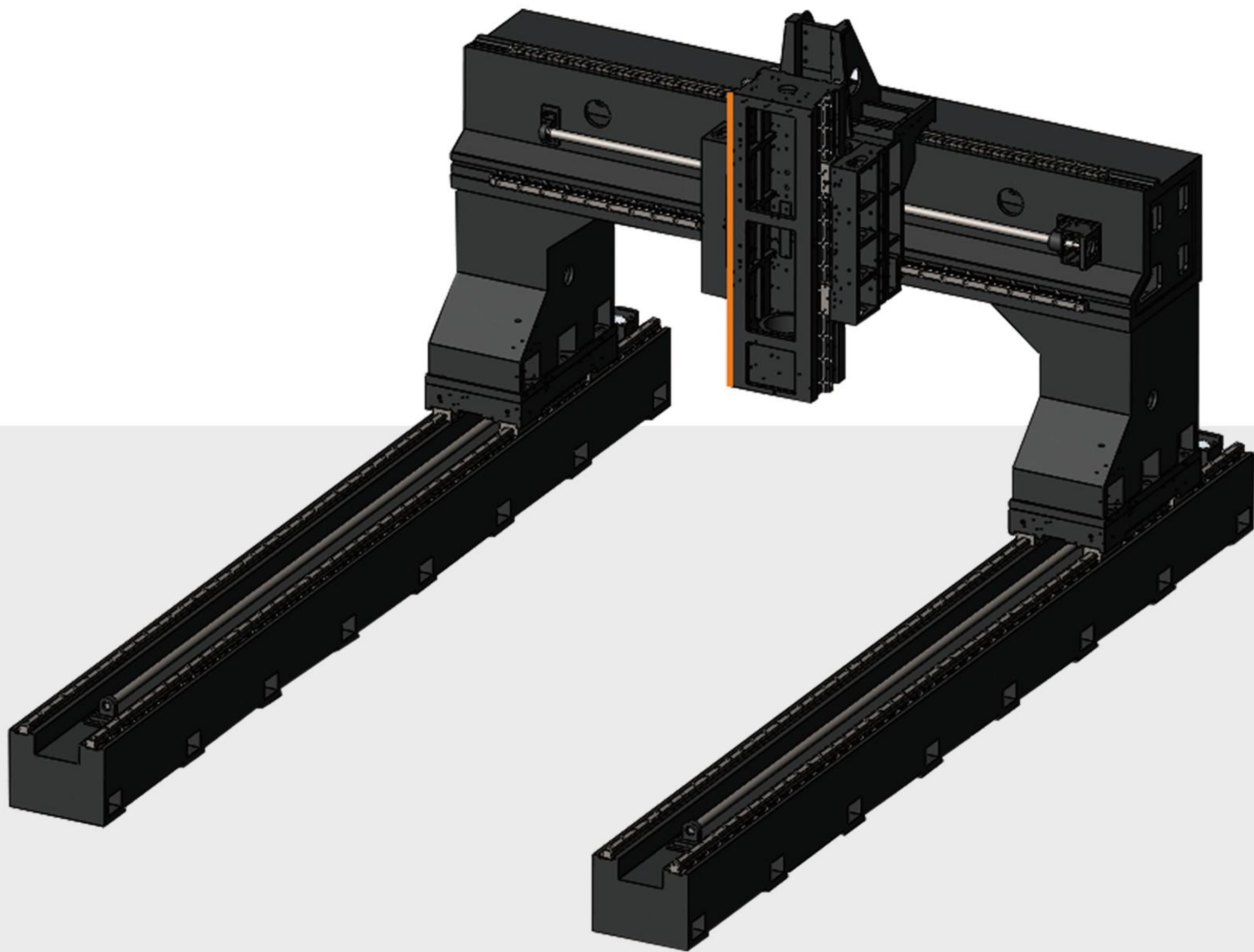


SPECIFICATIONS

Project 项目	Machine tool specification 机床规格	YCLMZ-2000
Technical specifications 技术规格	Table size 工作台尺寸	2000 × 2000
	Maximum drilling diameter 最大钻孔直径	φ 70 U drill φ 70 U钻
	Distance from spindle and face to workbench 主轴端面至工作台距离	250/850
	X-axis stroke X轴行程	2000mm
	Y-axis stroke Y轴行程	2000mm
	Z-axis stroke Z轴行程	600mm
	T-slot spacing T型槽间距	240mm
	Servo spindle 伺服主轴	11KW
	Principal axis 主轴	BT50
Machining precision 加工精度	Repeated positioning accuracy of machine tool 机床重复定位精度	± 0.02
	Machining position accuracy 加工位置度精度	± 0.05
Main transmission 主传动	Transmission from 传动形式	Synchronous belt 同步带
	Spindle motor range(r/min) 主轴转速范围 (r/min)	300—6000
Numerical control system 数控控制系统	Kaiendi K1000MFii 凯恩帝 K1000MFii	
Feed from 进给形式	Actuating motor 伺服电机	15N.m/10N.m/7.7N.m
Machine tool shape 机床外形	Overall dimension of machinetool (length X width X height)(mm) 机床外形尺寸 (长X宽X高mm)	4300 × 3500 × 2700
Machine tool weight 机床重量		12.5tons 12.5吨

SPLI CNC GANTRY DRILLING MACHINET

Simple and qulick operation | Improve processing efficiency | Save labor | Reduce cost



Characteristics and advantages of machine tools

This machine tool is arranged in a gantry column structure, with stable structure and space saving.
The bed, crossbeam, saddle, and pillow are made of HT250 material and have undergone manual aging treatment.

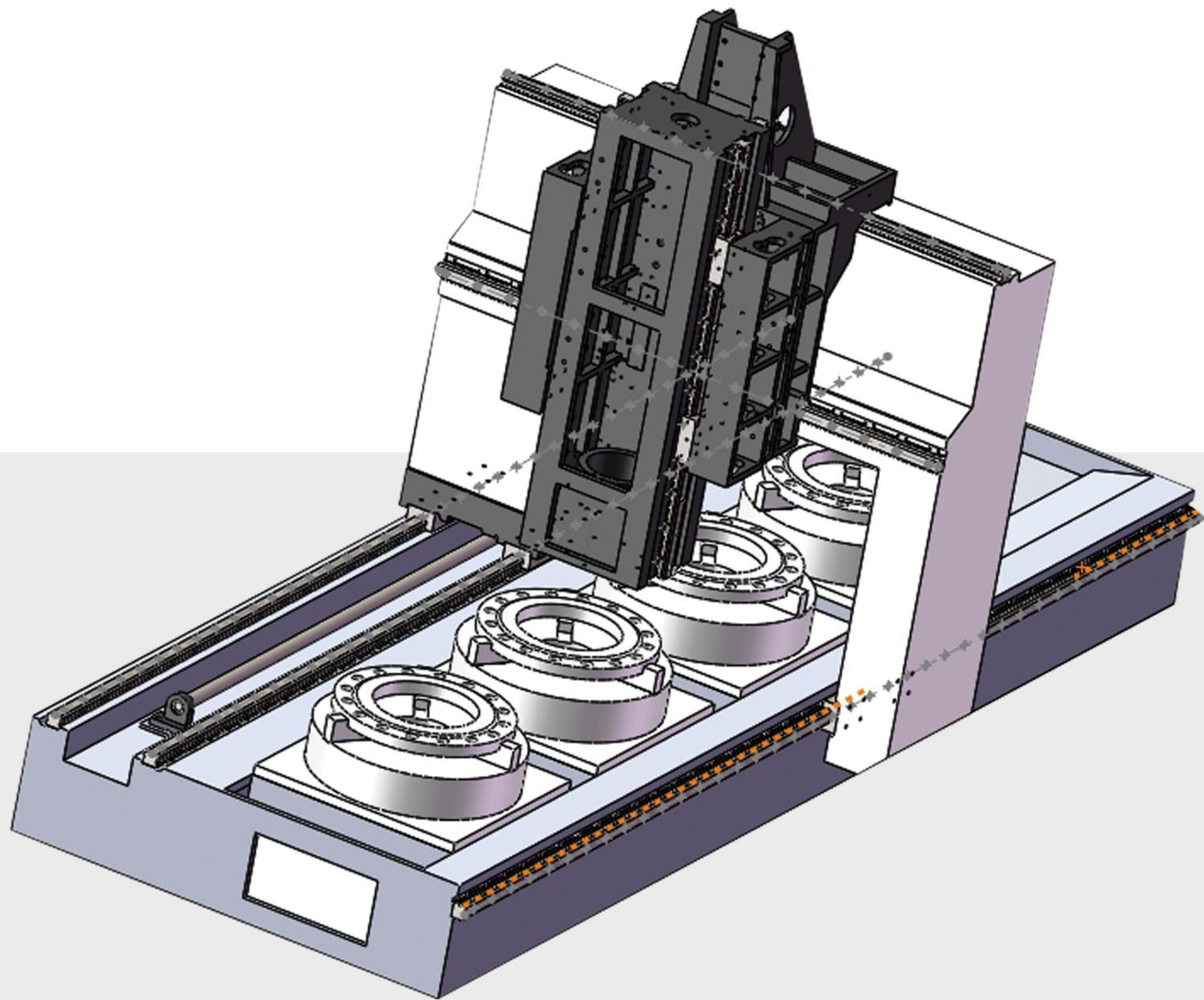
STABLE STRUCTRE AND SPACE SAVING

SPECIFICATIONS

Project 项目	Machine tool specification 机床规格	YCLMZ-5000
Technical specifications 技术规格	Principal axis 主轴	B150
	Maximum drilling diameter 最大钻孔直径	φ 70 U drill φ 70 U钻
	Distance from spindle and face to workbench 主轴端面至工作台距离	The heigh of the workbench is determined 工作台放置高低决定
	X-axis stroke X轴行程	5000mm
	Y-axis stroke Y轴行程	5000mm
	Z-axis stroke Z轴行程	600mm
	T-slot spacing T型槽间距	300mm
	Servo spindle 伺服主轴	11KW
Machining precision 加工精度	Repeated positioning accuracy of machine tool 机床重复定位精度	± 0.02
	Machining position accuracy 加工位置度精度	± 0.05
Main transmission 主传动	Transmission from 传动形式	Synchronous belt 同步带
	Spindle motor range(r/min) 主轴转速范围 (r/min)	300—6000
Numerical control system 数控控制系统	Kaiendi K1000MFii 凯恩帝 K1000MFii	
Feed from 进给形式	Actuating motor 伺服电机	15N.m/10N.m/7.7N.m
Machine tool shape 机床外形	Overall dimension of machinetool (length X width X height)(mm) 机床外形尺寸 (长X宽X高mm)	4300 × 3500 × 2700
Machine tool weight 机床重量		13 tons (excluding workbench) 13吨(不含工作台)

MULTI STATION GANTRY DRILL

Simple and qulick operation | Improve processing efficiency | Save labor | Reduce cost



Characteristics and advantages of machine tools

This machine tool is arranged in a gantry column structure, with stable structure and space saving. The bed, crossbeam, saddle, and pillow are made of HT250 material and have undergone manual aging treatment. There are four clamping positions for the roommate of this machine tool. When processing the third workpiece, the first workstation can replace the workpiece, and so on to achieve cyclic clamping.

STABLE STRUCTRE AND SPACE SAVING

SPECIFICATIONS

Project 项目	Machine tool specification 机床规格	YCLMZ-DN300
Technical specifications 技术规格	Table size 工作台尺寸	3050X650
	Maximum drilling diameter 最大钻孔直径	φ 40 U drill φ 40 U钻
	Distance from spindle and face to workbench 主轴端面至工作台距离	300/800
	Workpiece placement spacing 工件摆放间距	800mm
	X-axis stroke X轴行程	3000mm
	Y-axis stroke Y轴行程	600mm
	Z-axis stroke Z轴行程	600mm
	T-slot spacing T型槽间距	240mm
	Servo spindle 伺服主轴	11KW
	Principal axis 主轴	BT40
Machining precision 加工精度	Repeated positioning accuracy of machine tool 机床重复定位精度	± 0.02
	Machining position accuracy 加工位置度精度	± 0.05
Main transmission 主传动	Transmission from 传动形式	Synchronous belt 同步带
	Spindle motor range(r/min) 主轴转速范围 (r/min)	300--6000
Numerical control system 数控控制系统	Kaiendi K1000MFii 凯恩帝 K1000MFii	
Feed from 进给形式	Actuating motor 伺服电机	15N.m/7.7N.m
Machine tool shape 机床外形	Overall dimension of machinetool (length X width X height)(mm) 机床外形尺寸 (长X宽X高mm)	5100 × 2000 × 2500
Machine tool weight 机床重量		8.5tons 8.5吨

FOUR STATION ROTARY TABLE SPECIAL MACHINE

Simple and qulick operation | Improve processing efficiency | Save labor | Reduce cost

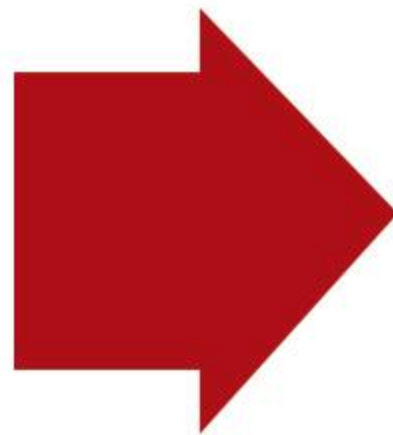


Characteristics and advantages of machine tools

It can simultaneously complete the machining of three processes, including drilling, reaming, and drilling the flange end face of he middle valve stem hole of the butterfly valve.

1. The machine tool is applied to the machining of butterfly valve stem holes and small flange surface drilling, with high machi-
ning efficiency, high machining accuracy, stable machining dimensions, and convenient machine operation.
2. High machining accuracy, with a centerline valve stem hole and an axial degree of less than 0.05, a symmetry degree of less
than 0.20, and stable machining dimensions.
3. The uniformity of machining dimensions is high. This machine tool adopts a CNC control system, which eliminates the need
for repeated tool alignment and improves dimensional stability and uniformity.
4. Easy to operate, the machine tool adopts servo control, and with experience in CNC operation, one can learn it at a glance.

Processed Products

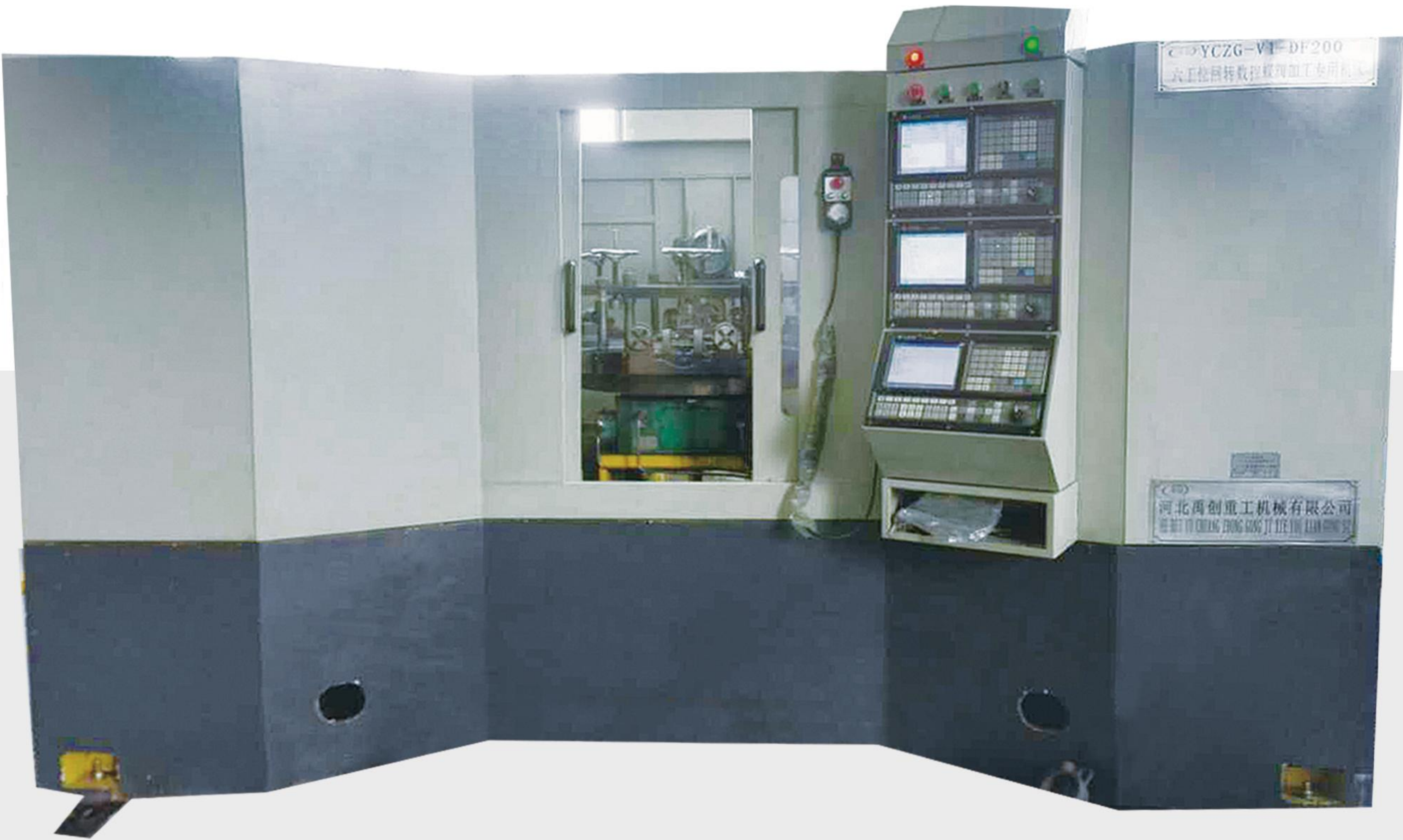


SPECIFICATIONS

Project 项目	Machine tool specification 机床规格	YCZK-150
Technical specifications 技术规格	Dimensions of rotary table 回转工作台尺寸	600 × 600
	Maximum reaming diameter 最大扩孔直径	φ 35 allory reamer φ 35 合金扩刀
	Maximum hold diameter (middle hole) 最大钻孔直径（中间孔）	φ 20
	II station stroke II 工位行程	310mm
	III station stroke III 工位行程	450mm
	IV station stroke IV 工位行程	240mm
	II Station motor power and spindle output speed II 工位电机功率及主轴输出转速	2.2KW , 177rpm
	III Station motor power and spindle output speed III 工位电机功率及主轴输出转速	1.5KW , 374rpm
Machining precision 加工精度	IV Station motor power and spindle output speed IV 工位电机功率及主轴输出转速	3KW , 683rpm
	Reaming accuracy 扩孔加工精度	Symmetry0.10 对称度 ± 0.10
Main transmission 主传动	Precision of drilling middle hole 钻中间孔精度	Symmetry0.2 对称度 ± 0.2
	Accuracy of drilling holes around flange 钻法兰四周孔精度	Position φ 0.5 位置度 φ 0.5
Numerical control system 数控控制系统	Huaxing servo 华兴伺服	
Feed from 进给形式	Actuating motor 伺服电机	Both are 7.7N.m 均为7.7N.m
Machine tool shape 机床外形	Overall dimension of machinetool (length X width X height)(mm) 机床外形尺寸（长X宽X高mm）	2670 × 2065 × 1450
Machine tool weight 机床重量		4tons 4吨

SIX STATION ROTARY TABLE BUTTERFLY VALVE PROCESSING MACHINE

Simple and quick operation | Improve processing efficiency | Save labor | Reduce cost

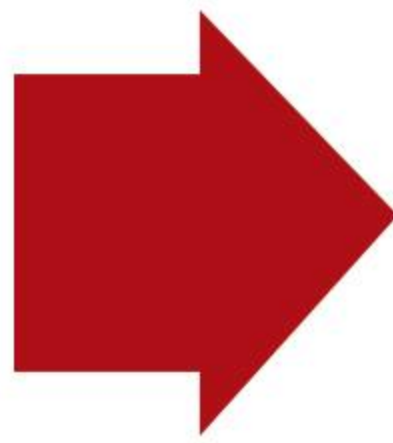


Characteristics and advantages of machine tools

It can simultaneously complete the machining of the outer circle turning of the butterfly valve small flange surface, drilling, reaming, expanding the middle valve stem hole, and drilling the flange end face.

- 1. The machine tool is applied to the machining of butterfly valve stem holes, flange surface drilling, and flange outer circles, with high machining efficiency, high machining accuracy, stable machining dimensions, and convenient machine operation.
- 2. High machining accuracy, with a centerline valve stem hole and an axial degree of less than 0.05, a symmetry degree of less than 0.10, and stable machining dimensions.
- 3. The uniformity of machining dimensions is high. This machine tool adopts a CNC control system, which eliminates the need for repeated tool alignment and improves dimensional stability and uniformity.
- 4. Easy to operate, the machine tool adopts servo control, and with experience in CNC operation, one can learn it at a glance.

Processed Products



SPECIFICATIONS

Project 项目	Machine tool specification 机床规格	YCVIDF100HT	YCVIDF200HT
Technical specifications 技术规格	Machining workpiece range 加工工件范围	DN40–DN100	DN100–DN200
	Coaxiality of valve stem hole 阀杆孔同轴度	0.05	0.10
	Degree of symmetry 对称度	0.10	0.10
	Hole finish 孔光洁度	1.6	1.6
	Position of flange end plate hole 法兰端面碟孔位置度	0.20	0.20
Control system 控制系统	Standard layout 标准配置	Nanjing Huaxing servo system 南京华兴伺服系统	Nanjing Huaxing servo system 南京华兴伺服系统
	Select configuration 选择配置	Guangzhou servo system 广州伺服系统	Guangzhou servo system 广州伺服系统
Machine tool shape 机床外形	Full protection (length X width X height) 全防护 (长 X 宽 X 高)	2600 × 1600 × 1800	3050 × 2310 × 2000
Machine tool weight 机床重量	Net weight of machine tool 机床净重	7T	8.5T

SWING ANGLE THREE-SIDED CNC BORING LATHE

Simple and qulick operation | Improve processing efficiency | Save labor | Reduce cost



Characteristics and advantages of machine tools

The machine tool is controlled by a numerical control system, which is easy and fast to operate. It can process three surfaces simultaneously at a fast speed, improve processing efficiency, save labor, and reduce costs.

1. The machine tool is suitable for various flange fittings and elbows: This machine tool can process various fittings such as straight tees, straight pipes, 90 ° elbows, 11.25 ° elbows, 22.5 ° elbows, 30 ° elbows, 45 ° elbows, etc. by adjusting the sliding table angle. It has high processing efficiency, reduces labor, high uniformity of processing dimensions, and is easy to operate.

2. High processing efficiency, the machine tool can complete the machining of three flanges, planes or holes at the same time by using three power heads to work simultaneously during the machining process.

3. Reducing manual labor, one dedicated machine is equivalent to the efficiency of three ordinary devices, and one person can operate 2-3 dedicated machines.

4. The uniformity of machining dimensions is high, and this special machine is completely controlled by a CNC system. With only one tool alignment, the same model of work can be repeatedly machined, thereby improving the uniformity of dimensions.

5. Easy to operate, this special machine is controlled by a numerical control system, and those with numerical control operation experience can learn it immediately.

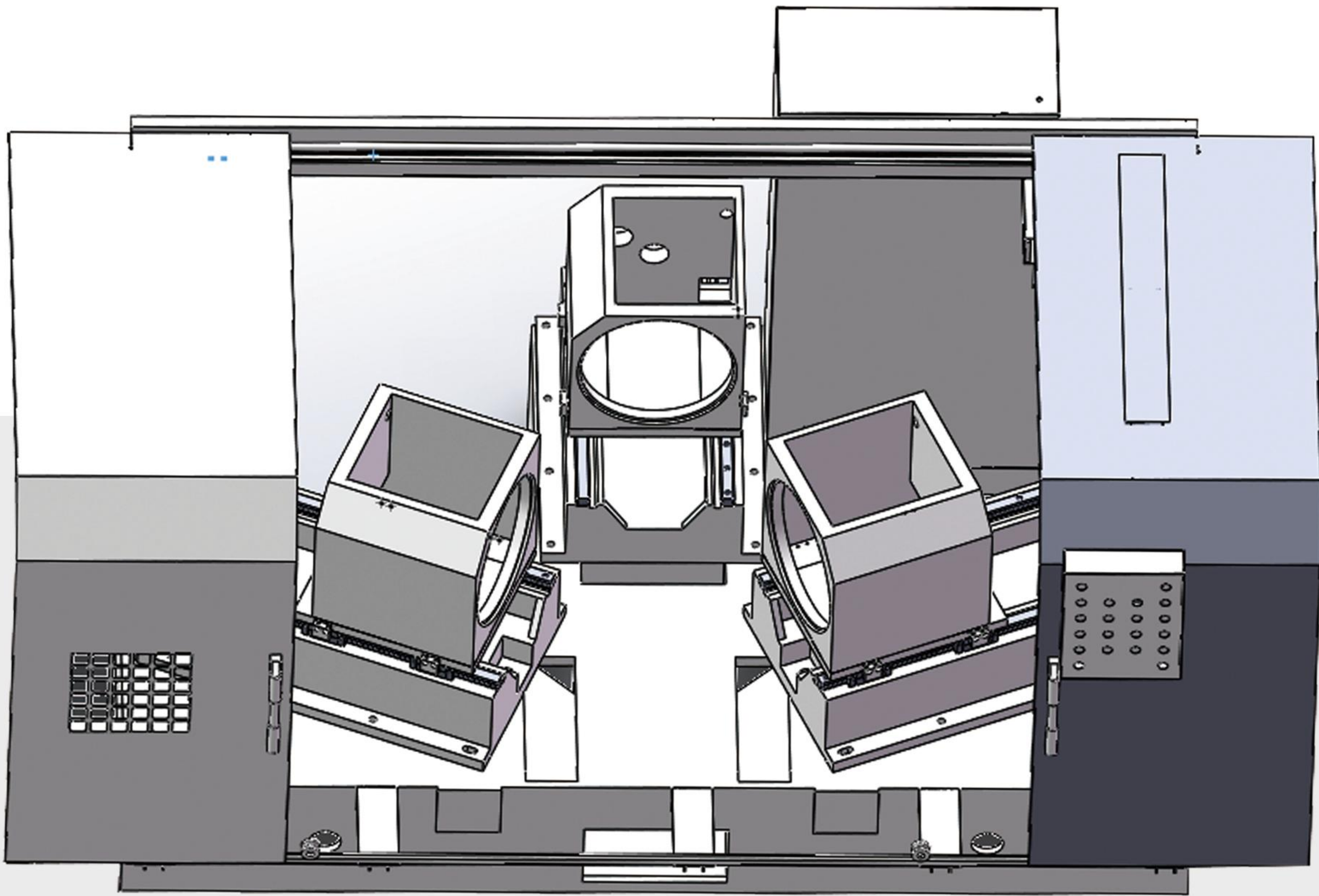


SPECIFICATIONS

Project 项目	Machine tool specification 机床规格	YC III C300HT
Technical specifications 技术规格	Maximum turning diameter (mm) 最大车削直径 (mm)	φ 460
	Maximum machining length(mm) 最大加工长度 (mm)	800
	Minimum machining length(mm) 最小加工长度 (mm)	200
	Intermediate flange to center maximum machining size(mm) 中间法兰至中心最大加工尺寸 (mm)	400
	Intermediate flange to center minimum machining size(mm) 中间法兰至中心最小加工尺寸 (mm)	150
	Meet the machining angle 满足加工角度	11.25、22.5、30、45、90、180
	X-axis travel(mm) X轴行程 (mm)	170
	Z-axis travel(mm) Z轴行程 (mm)	450
Machining precision 加工精度	Coaxiality(mm) 同轴度 (mm)	≤0.1
	Parallelism(mm) 平行度 (mm)	≤0.1
	Verticality(mm) 垂直度 (mm)	≤0.1
	Surface roughness 表面粗糙度	6.3
Main transmission 主传动	Transmission from (Gearshifting) 传动形式 (齿轮变速)	Four speed change 4档变速
	Spindle motor range (r/min) 主轴转速范围 (r/min)	72-256
	Spindle motor model 主轴电机型号	YE2-132M-6-5.5KW
Numerical control system (optional) 数控控制系统 (选配)	Nanjing Huaxing—Step System南京华兴——步进系统 南京华兴——伺服系统Nanjing Huaxing—Servo system Guangzhou cnc—Stepping 广州数控——步进系统 广州数控——伺服系统 Guangzhou cnc—Servo system	
Feed form(optional) 进给形式 (选配)	Stepmptor 步进电机	24N.m
	Actuating motor 伺服电机	7.7N.m
Machine tool shape 机床外形	Overall dimension of machinetool (length X width X height)(mm) 机床外形尺寸 (长X宽X高mm)	3950 × 2750 × 1800
	Overall dimension of machinetool (length X width X height)(mm) 机床外形尺寸 (长X宽X高mm)	4150 × 3000 × 1800
Machine tool weight(kg) 机床重量 (kg)		5800

THREE SIDED POROUS DRILLING MACHINE WITH SWING ANGLE

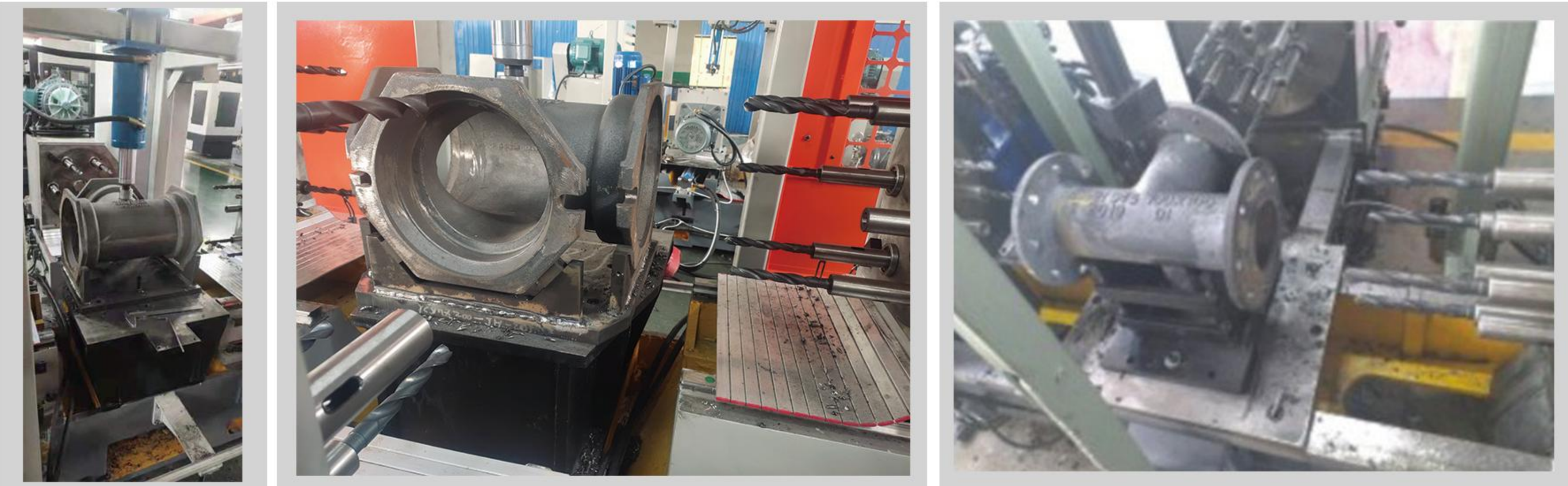
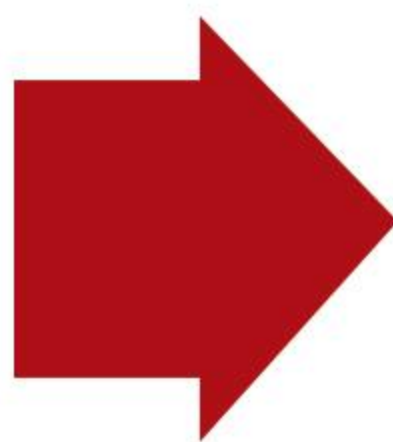
Simple and qulick operation | Improve processing efficiency | Save labor | Reduce cost



Characteristics and advantages of machine tools

- Simultaneous processing of multiple holes on three flange surfaces results in high processing efficiency, reduced manual labor, high uniformity of processing dimensions, and easy operation.
1. This machine tool is suitable for various flange fittings and elbows: it can process various fittings such as straight tees, straight pipes, 90 ° elbows, 11.25 ° elbows, 22.5 ° elbows, 30 ° elbows, 45 ° elbows, etc. by adjusting the sliding table angle. It has high processing efficiency, reduces labor, has high uniformity in processing dimensions, and is easy to operate.
 2. High processing efficiency, the machine tool can complete the machining of three flanges, planes or holes at the same time by using three power heads to work simultaneously during the machining process.
 3. Reducing manual labor, one dedicated machine is equivalent to the efficiency of three ordinary devices, and one person can operate 2-3 dedicated machines.
 4. The uniformity of machining dimensions is high, and this special machine is completely controlled by a CNC system. With only one tool alignment, the same model of work can be repeatedly machined, thereby improving the uniformity of dimensions.
 5. Easy to operate, this special machine is controlled by a numerical control system.

Processed Products

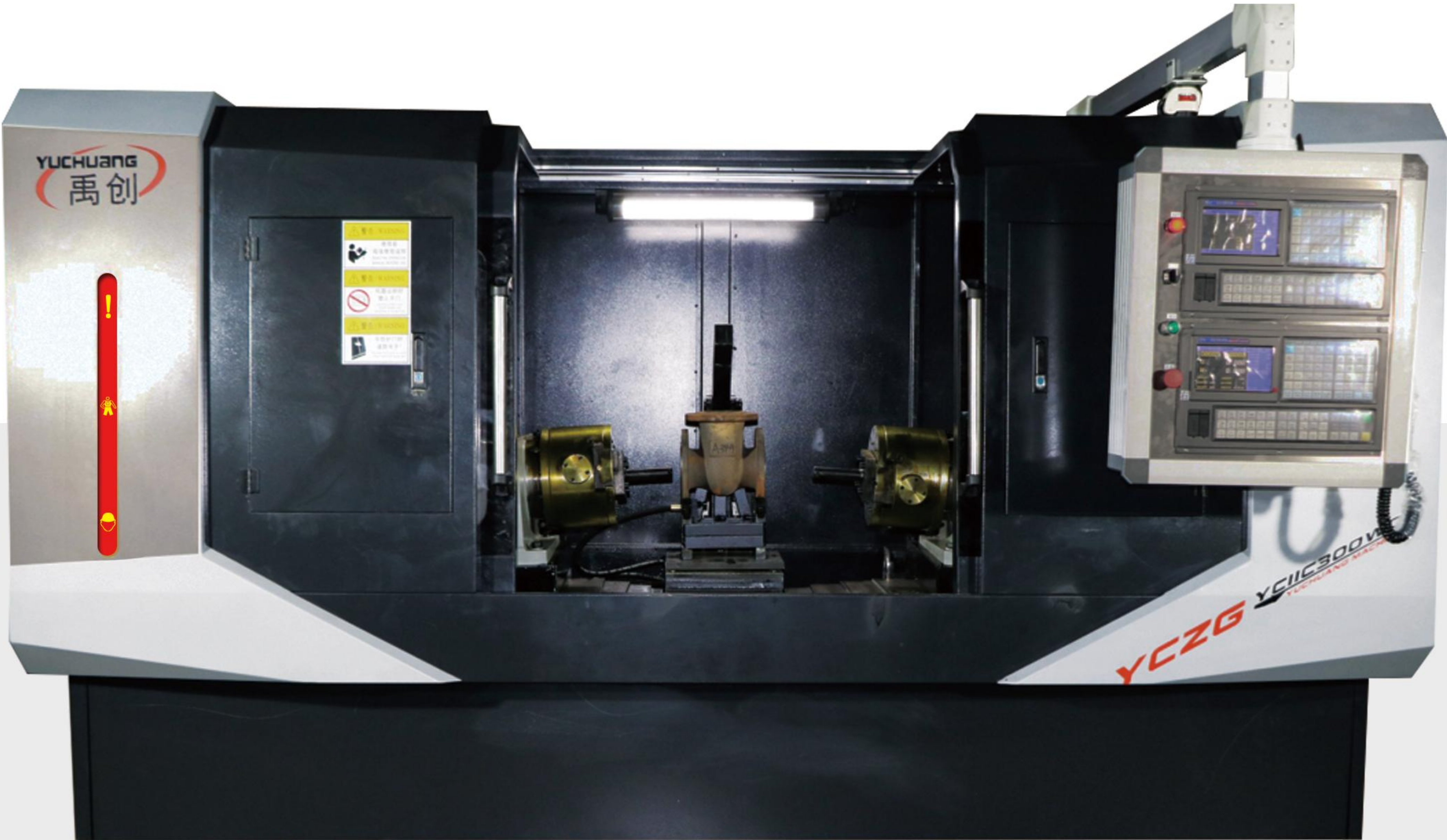


SPECIFICATIONS

Project 项目	Machine tool specification 机床规格	YC III Z200HT
Technical specifications 技术规格	Maximum drilling center distance (mm) 最大钻削中心距(mm)	φ 295
	Maximum machining length(mm) 最大加工长度 (mm)	600
	Minimum machining length(mm) 最小加工长度 (mm)	150
	Intermediate flange to center maximum machining size(mm) 中间法兰至中心最大加工尺寸 (mm)	260
	Intermediate flange to center minimum machining size(mm) 中间法兰至中心最小加工尺寸 (mm)	150
	Meet the machining angle 满足加工角度	11.25、22.5、30、45、90、180
	Travel(mm) 行程(mm)	390/290
	Bit connection mode (Morse taper shank) 钻头连接方式 (莫氏锥柄)	Moshi 2# 莫氏2#
Machining precision 加工精度	Position(mm) 位置度(mm)	≤0.5
	Surface roughness 表面粗糙度	12.5
	Transmission from (Gearshifting) 传动形式 (齿轮变速)	Second speed change 2档变速
Main transmission 主传动	Spindle motor range (r/min) 主轴转速范围 (r/min)	225/286
	Spindle motor model 主轴电机型号	YE2-132M-6-5.5KW
Numerical control system 数控控制系统	PLC	
Feed form 进给形式	Hydraulic drive 液压传动	
Machine tool shape 机床外形	Overall dimension of machinetool (length X width X height)(mm) 机床外形尺寸 (长X宽X高mm)	3200 × 2000 × 1800
Machine tool weight(kg) 机床重量 (kg)		4000

HARD SEAL GATE VALVE PLANE

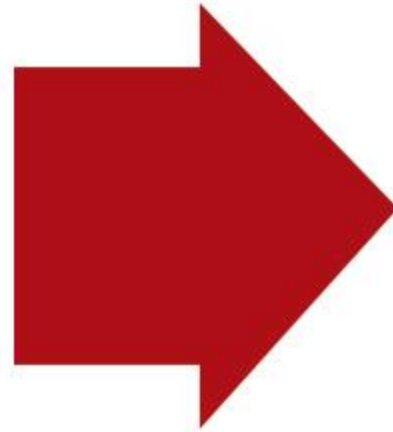
Simple and qulick operation | Improve processing efficiency | Save labor | Reduce cost



Characteristics and advantages of machine tools

- 1. The machine tool is suitable for processing the joint surface of various hard sealed valves and gate plates, with high uniformity of processing dimensions and simple operation.
- 2. High processing efficiency: During the machining process, the CNC machine tool adopts a power head working simultaneously, which can complete the machining of the two sealing surfaces of the entire valve at the same time. The required time is between 45 seconds and 2 minutes.
- 2. Reduce labor: One person can operate two lathes at the same time or operate one lathe and one drilling machine at the same time.
- 3. High uniformity of machining dimensions: This machine fully adopts a CNC control system without the need for repeated tool alignment, thereby improving the uniformity of dimensions.
- 4. Easy to operate: The machine tool adopts a numerical control system, and those with numerical control operation experience can learn it at once.

Processed Products

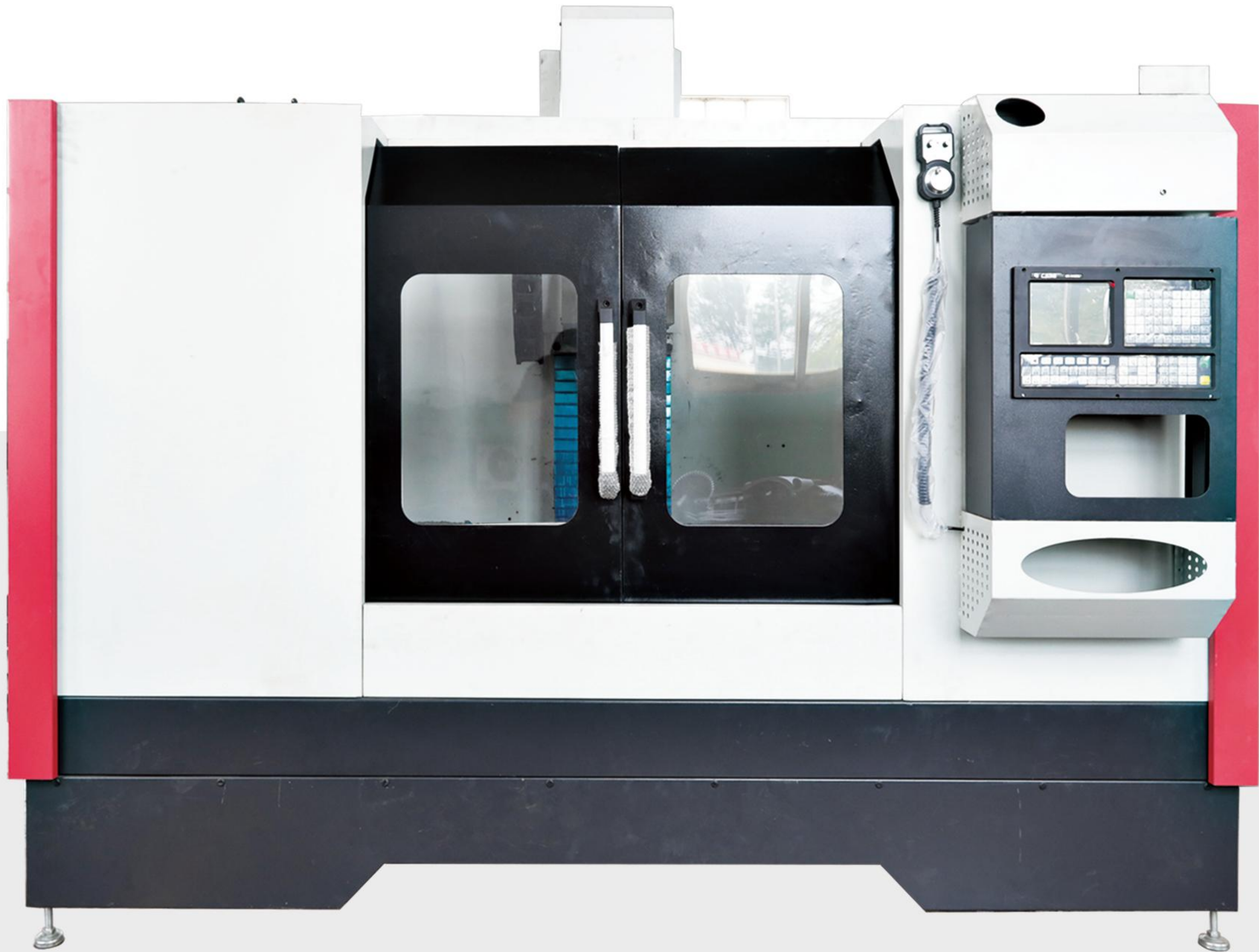


SPECIFICATIONS

Project 项目		Machine tool specification 机床规格	YCYT II C200HT	YCYT II C300HT	YCYT II C400HT	YC II YZ600HT
Technical specifications 技术规格	Maximum turning diameter (mm) 最大车削直径 (mm)		φ 240	φ 340	φ 460	φ 680
	Maximum machining length(mm) 最大加工长度 (mm)		300	400	500	700
	X-axis travel(mm) X轴行程 (mm)		70	170	170	450
	Z-axis travel(mm) Z轴行程 (mm)		260	285	435	450
Machining precision 加工精度	Flatness(mm) 平面度 (mm)		≤0.05	≤0.05	≤0.05	≤0.1
	Surface roughness 表面粗糙度		3.2	3.2	3.2	3.2
Spondle drive 主轴传动	Transmission from (Gearshifting) 传动形式 (齿轮变速)		Four speed change 4档变速	Four speed change 4档变速	Four speed change 4档变速	Third speed change 3档变速
	Spindle motor range (r/min) 主轴转速范围 (r/min)		132-297	72-256	72-256	43-87
	Spindle motor model 主轴电机型号		YE2-132M-6-5.5KW	YE2-132M-6-5.5KW	YE2-132M-6-5.5KW	YE2-160L-8-7.5KW
Numerical control system (optional) 数控控制系统 (选配)		Nanjing Huaxing---Servo system 南京华兴---伺服系统Guangzhou cnc-Servo system 广州数控---伺服系统				
Feed form(optional) 进给形式 (选配)		Actuating motor 伺服电机	7.7N.m	7.7N.m	7.7N.m	10N.m
Machine Bedoutersha 机床 外形	Full protection 全防护	Overall dimension of machinetool (length X width X height)(mm) 机床外形尺寸 (长X宽X高mm)	3300X1500X1700	3800X1500X1700	4500X1800X2200	5000X1800X2200
	Simple protection 简易防护	Overall dimension of machinetool (length X width X height)(mm) 机床外形尺寸 (长X宽X高mm)	3000X1500X1700	3600X1500X1700	4350X1800X2200	4800X1800X2200
Machine tool weight (kg) 机床重量 (kg)			2500	2800	4000	5700

VERTICAL DRILLING CENTER

Simple and quick operation | Improve processing efficiency | Save labor | Reduce cost



Characteristics and advantages of machine tools

The machine tool is controlled by a CNC system, with a vertical spindle and a cross slide layout below the spindle, making operation simple and fast. Multiple processes such as milling flat surfaces, drilling and threading can be achieved with one clamping, and the processing speed is fast, efficient, and labor-saving.

1. Machine tools are suitable for processing complex processes such as valve covers and flanges of various valves, with high processing efficiency, reduced manpower, high uniformity of machining dimensions, and easy operation.

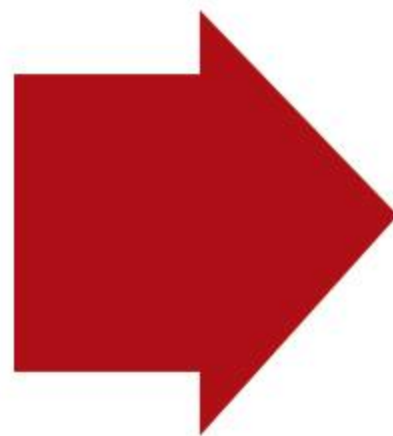
2. High processing efficiency, the machine tool is controlled by a CNC system during the processing, with automatic feed and automatic tool change, which can complete milling, drilling, expanding or threading on the same workpiece processing.

3. Reducing manual labor, one device is equivalent to the efficiency of three ordinary devices, and one person can operate 2-3 specialized machines.

4. The uniformity of machining dimensions is high, and this machine tool is completely controlled by a CNC system. Only one tool alignment is needed to repeatedly machine the same type of workpiece, thereby improving the uniformity of dimensions.

5. Easy to operate, this special machine is completely controlled by a CNC system. Experienced CNC operators or those with a solid foundation in machining can learn it immediately.

Processed Products



SPECIFICATIONS

Project 项目	Machine tool specification 机床规格	YCZG-SKZG40
Technical specifications 技术规格	Z-axis travel(mm) Z轴行程 (mm)	700
	X-axis travel(mm) X轴行程 (mm)	500
	Y-axis travel(mm) Y轴行程 (mm)	500
	Tool connection mode 刀具连接方式	BT40
Machining precision 加工精度	Position degree 位置度	≤0.015/3000
	Surface roughness 表面粗糙度	3.2
Spindle drive 主轴传动	Transmission from 传动形式	Infinitely variable speeds 无级变速
	Spindle motor range (r/min) 主轴转速范围 (r/min)	0-1000
	Spindle motor model 主轴电机型号	5.5KW servo 5.5KW伺服
Numerical control system (optional) 数控控制系统 (选配)	Nanjing Huaxing--Servo system 南京华兴--伺服系统 Guangzhou cnc--Servo system 广州数控--伺服系统	
Feed form 进给形式	Actuating motor 伺服电机	7.7N.m
Machine tool shape 机床外形	Full protection(length X width X height)(mm) 全防护 (长×宽×高mm)	2760x2200x2430
Machine tool weight(kg) 机床重量 (kg)		3000

POWER TURRET TYPE HORIZINTAL MACHINING CENTER

Simple and qulick operation | Improve processing efficiency | Save labor | Reduce cost

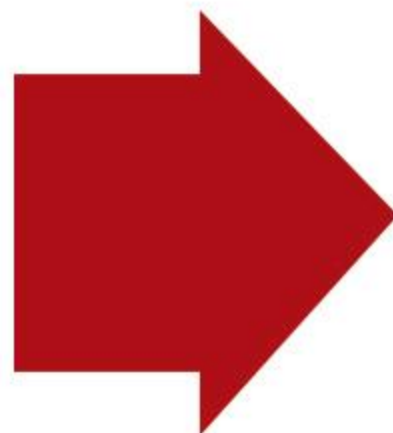


Characteristics and advantages of machine tools

The YCWJ series turret machining center is mainly composed of horizontal slide table, vertical slide table, turret head, rotary table, fixtures and other components. Numerical control can achieve one-time clamping to complete machining processes such as milling end faces, drilling holes, countersunking the back of drilling holes, and tapping.

The machine tool adopts a mechatronics integrated design, and the ball linear guide has strong rigidity and wear resistance. The slide table feed adopts CNC control, ball screw, with beautiful appearance, reasonable structure, and convenient operation. High processing accuracy and uniformity of processing dimensions.

Processed Products



SPECIFICATIONS

Project 项目	Machine tool specification 机床规格	YCWJ400
Technical specifications 技术规格	Worktable size (length x width) 工作台尺寸 (长x宽)	450x450mm
	Turntable size 回转台尺寸	320x320mm
	Spindle number of turret head 转塔头轴数	6
	Connection mode of turret head spindle and cutter 转塔头主轴与刀具联接方式	ER40 circlip ER40卡簧
	X-axis stroke X轴行程	500mm
	Z-axis stroke Z轴行程	450mm
	Y-axis stroke Y轴行程	350mm
	Maximun drilling diameter 最大钻孔直径	φ 25
	Maximun tapping diameter 最大攻丝直径	φ 20
	Feed motor 进给电机	Actuating motor 伺服电机
	Lubrication form of machine tool 机床润滑形式	Volumetric automatic lubrication 容积式自动润滑
	Total power of machine tool 机床总功率	11KW
Main motor 主电机	Rated speed 额定转速	1500r/min
	Rated power 额定功率	4KW
Feed motor 进给电机	X-axis motor X轴电机	130SY-M-10
	Rated speed 额定转速	1500r/min
	Rated power 额定功率	1.6KW
	Rated output torque 额定输出转距	10N.m
	Y-axis motor Y轴电机	130SY-M-7.7
	Rated speed 额定转速	2000r/min
	Rated power 额定功率	1.6KW
	Rated output torque 额定输出转距	7.7N.m
	Motor model 电机型号	130SY-M-20
	Rated speed 额定转速	1500r/min
	Rated power 额定功率	3KW
	Rated output torque 额定输出转距	20N.m
Machine tool shape 机床外形	(Length x width x height) mm (长x宽x高) mm	2000x1600x1800mm
Machine tool weight 机床重量	KG	2500

THREE-SIDED MULYI-HOLE DRILLINGMACHINE DRILL

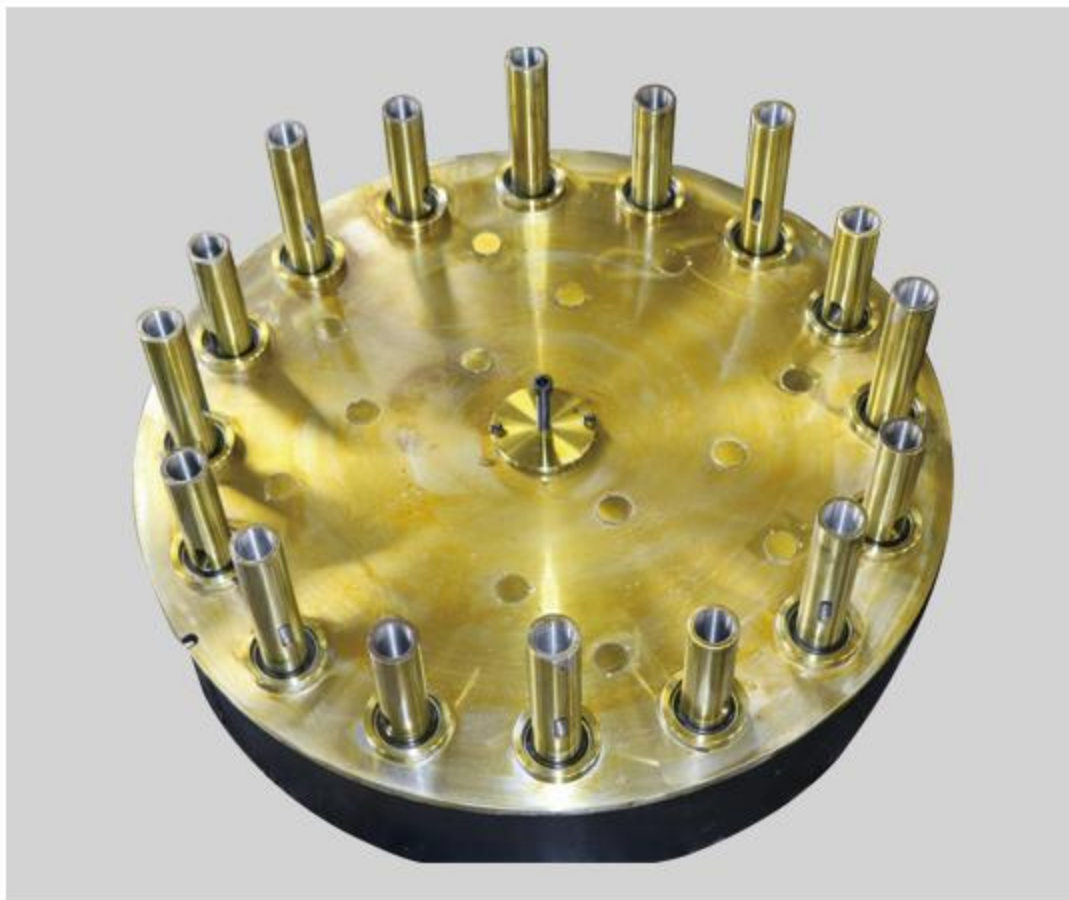
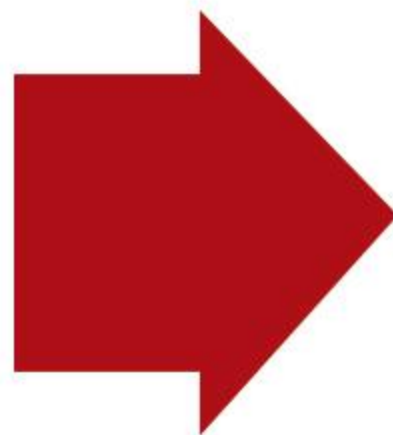
Simple and qulick operation | Improve processing efficiency | Save labor | Reduce cost



Characteristics and advantages of machine tools

- Simultaneous processing of multiple holes on three flange surfaces results in high processing efficiency, reduced manual labor, high uniformity of processing dimensions, and easy operation.
1. This machine tool is suitable for various valve fittings: it can process any valve body with three flange faces on the same axis, or any side can be processed separately
 2. High processing efficiency: During the processing, the machine tool uses a power head to simultaneously complete the drilling process of multiple holes on the flange, with a cycle time of less than 2 minutes
 3. Reduce labor: Traditional drilling requires the use of molds to process holes one by one, which wastes time. This machine tool can simultaneously process multiple holes on three flange surfaces and can operate multiple machines by one employee, thereby improving efficiency.
 4. High uniformity of machining dimensions: only one adjustment is required, and subsequent drilling work can be easily completed by simply installing the workpiece.
 5. Easy to operate: Anyone without machining experience can learn this machine tool at once.

Processed Products



SPECIFICATIONS

Project 项目	Machine tool specification 机床规格	YC III Z200HT	YC III Z400HT	YC III Z600HT	YC III Z800HT
Technical specifications 技术规格	Maximum drilling center distance (mm) 最大钻削中心距(mm)	φ 295	φ 525	φ 770	φ 950
	Maximum machining length(mm) 最大加工长度 (mm)	600	800	1000	1100
	Minimum machining length(mm) 最小加工长度 (mm)	200	300	300	400
	Intermediate flange to center maximum machining size(mm) 中间法兰至中心最大加工尺寸 (mm)	400	600	700	900
	Intermediate flange to center minimum machining size(mm) 中间法兰至中心最小加工尺寸 (mm)	150	200	200	250
	Travel(mm) 行程(mm)	280	395	450	450
	Bitconnection mode (Morse taper handle) 钻头连接方式 (莫氏锥柄)	Moshi 2# 莫氏2#	Moshi 2#/Moshi 3# 莫式2#/莫式3#	Moshi 2#/Moshi 3# 莫式2#/莫式3#	Moshi 3#/Moshi 4# 莫式3#/莫式4#
Machining precision 加工精度	Position(mm) 位置度(mm)	≤0.5	≤0.8	≤1	≤1
	Surface roughness 表面粗糙度	12.5	12.5	12.5	12.5
Spindle drive 主轴传动	Transmission from (Gearshifting) 传动形式 (齿轮变速)	Second speed change 2档变速	Second speed change 2档变速		
	Spindle motor range (r/min) 主轴转速范围 (r/min)	225/286	159/231		
	Spindle motor model 主轴电机型号	YE2-132M-6-5.5KW	YE2-132M-6-7.5KW	11KW reduction motor 11KW减速电机	11KW reduction motor 11KW减速电机
Numerical control system 数控控制系统	PLC				
Feed form 进给形式	Hydraulic drive 液压传动				
Machine Bedoutersha 机床外形	Overall dimension of machinetool (length X width X height)(mm) 机床外形尺寸 (长X宽X高mm)	2800X1600x1500	3200X2000X1700	3400X2200X2000	3500X2600X2200
Machine tool weight(kg) 机床重量 (kg)		2000	3000	4200	5000

DOUBLE-SIDED MULYI-HOLE DRILL

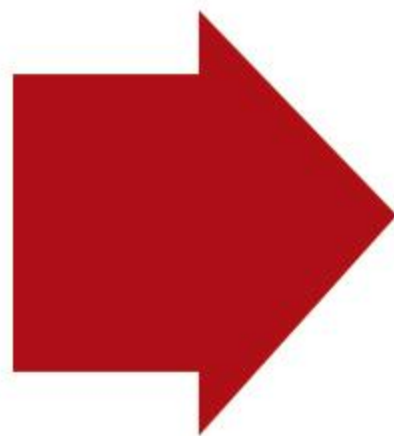
Simple and qulick operation | Improve processing efficiency | Save labor | Reduce cost



Characteristics and advantages of machine tools

- Simultaneous processing of multiple holes on two flange surfaces results in high processing efficiency, reduced manual labor, high uniformity of processing dimensions, and easy operation.
1. This machine tool is suitable for various valve fittings: it can process any valve body with two flange faces on the same axis, or any side can be processed separately.
 2. High processing efficiency: During the machining process, the machine tool uses the power head to simultaneously complete the drilling process of multiple holes on the flange, with a cycle time of less than 2 minutes
 3. Reduce labor: Traditional drilling machine workers need to use molds to process one hole at a time, which wastes time. This machine tool can simultaneously process multiple holes on two flange surfaces, and one employee can operate multiple machine tools at the same time, thereby improving efficiency.
 4. High uniformity of machining dimensions: only one adjustment is required, and subsequent drilling work can be easily completed by simply installing the workpiece.
 5. Easy to operate: Anyone without machining experience can learn this machine tool at once.

Processed Products

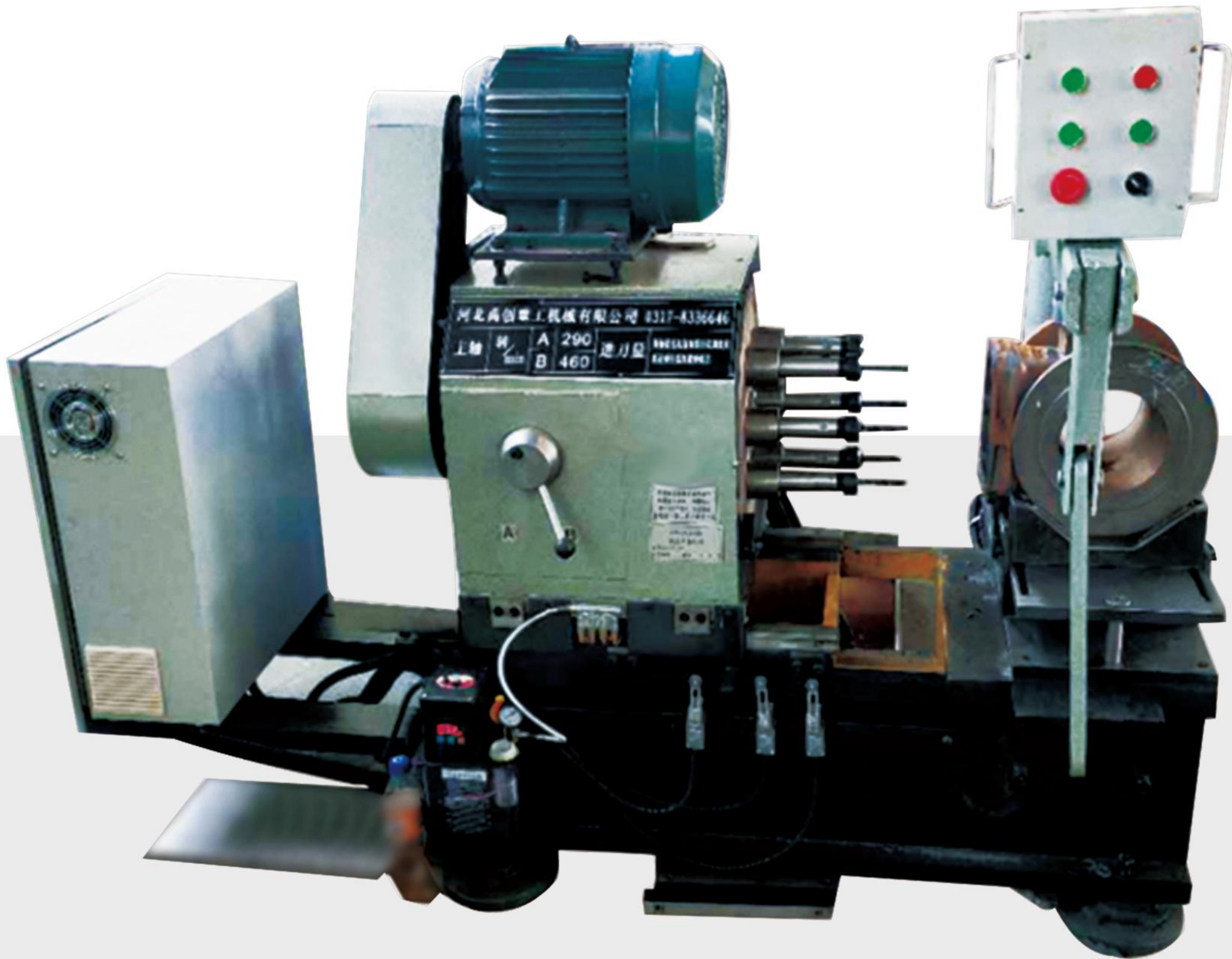


SPECIFICATIONS

Project 项目	Machine tool specification 机床规格	YC II Z200HT	YC II Z300HT	YC II Z400HT	YC II Z600HT
Technical specifications 技术规格	Maximum drilling center distance (mm) 最大钻削中心距(mm)	φ 295	φ 410	φ 525	φ 770
	Maximum machining length(mm) 最大加工长度 (mm)	600	800	800	1000
	Minimum machining length(mm) 最小加工长度 (mm)	200	200	300	300
	Travel(mm) 行程(mm)	340	450	450	450
	Bit connection mode (Morse taper shank) 钻头连接方式 (莫氏锥柄)	Moshi 2# 莫氏2#	Moshi 2#/Moshi 3# 莫式2#/莫式3#	Moshi 2#/Moshi 3# 莫式2#/莫式3#	Moshi 2#/Moshi 3# 莫式2#/莫式3#
Machining precision 加工精度	Position(mm) 位置度(mm)	≤0.5	≤0.6	≤0.8	≤1
	Surface roughness 表面粗糙度	12.5	12.5	12.5	12.5
Spindle drive 主轴传动	Transmission from (Gearshifting) 传动形式 (齿轮变速)	Second speed change 2档变速	Second speed change 2档变速	Second speed change 2档变速	
	Spindle motor range (r/min) 主轴转速范围 (r/min)	225/286	197/223	159/231	11KW reduction motor 11KW减速电机
	Spindle motor model 主轴电机型号	YE2-132M-6-5.5KW	YE2-132M-6-5.5KW	YE2-132M-6-7.5KW	YE2-180L-8-11KW
Numerical control system 数控控制系统	PLC				
Feed form 进给形式	Hydraulic drive 液压传动				
Machine tool shape 机床外形	Overall dimension of machinetool (length X width X height)(mm) 机床外形尺寸 (长X宽X高mm)	2800X1000x1500	3200X1200X1700	3300X1200X1700	3400X1500X2000
Machine tool weight (kg) 机床重量 (kg)		1500	1800	2200	3000

SINGLE-SIDED MULYI-HOLE DRILLING MACHINE

Simple and qulick operation | Improve processing efficiency | Save labor | Reduce cost



Characteristics and advantages of machine tools

- Multiple holes on the flange surface of the valve are processed simultaneously, resulting in high processing efficiency, reduced manual labor, high uniformity of processing dimensions, and easy operation.
1. This machine tool is suitable for various valve fittings: it can process multiple holes on the flange surface.
 2. High processing efficiency: During the processing, the machine tool uses a power head to simultaneously complete the drilling process of multiple holes on the flange, with a cycle time of less than 2 minutes.
 3. Reduce labor: Traditional drilling requires the use of molds to process one hole at a time, which wastes time. This machine tool can simultaneously process multiple holes on the flange surface, and one employee can operate multiple machines at the same time, thereby improving efficiency.
 4. High uniformity of machining dimensions: only one adjustment is required, and subsequent drilling work can be easily completed by simply installing the workpiece.
 5. Easy to operate: Anyone without machining experience can learn this machine tool at once.

Processed Products



SPECIFICATIONS

Project 项目	Machine tool specification 机床规格	YCIZ200HT	YCIZ300HT
Technical specifications 技术规格	Maximum drilling center distance (mm) 最大钻削中心距(mm)	φ 295	φ 410
	Maximum machining length from the cencte of flanges at both ends to the end face of middle flange 两端法兰中心到中间法兰端面最大加工长度 (mm)	300	350
	Minimum machining length(mm) 最小加工长度 (mm)	100	100
	Travel(mm) 行程(mm)	300	400
	Bit connection mode (Morse taper shank) 钻头连接方式 (莫氏锥柄)	Moshi 2# 莫氏2#	Moshi 2#/Moshi 3# 莫式2#/莫式3#
Machining precision 加工精度	Position(mm) 位置度(mm)	≤0.5	≤0.8
	Surface roughness 表面粗糙度	12.5	12.5
Spondle drive 主轴传动	Transmission from (Gearshifting) 传动形式 (齿轮变速)	Second speed change 2档变速	Second speed change 2档变速
	Spindle motor range (r/min) 主轴转速范围 (r/min)	225/286	197/223
	Spindle motor model 主轴电机型号	YE2-132M-6-5.5KW	YE2-132M-6-5.5KW
Numerical control system 数控控制系统	PLC		
Feed form 进给形式	Hydraulic drive 液压传动		
Machine tool shape 机床外形	Overall dimension of machinetool (length X width X height)(mm) 机床外形尺寸 (长X宽X高mm)	2000X1050x1500	2200X1280x1500
Machine tool weight (kg) 机床重量 (kg)		1500	2000

FULL PROTECTION DRILLING AND
ATTACKING INTEGRATED MACHINE

Simple and qulick operation | Improve processing efficiency | Save labor | Reduce cost



Characteristics and advantages of machine tools

Simultaneous processing of multiple threaded holes on the same plane, high processing efficiency, reduced manual labor, high uniformity of processing dimensions, and easy operation.

1. The machine tool is suitable for various valve fittings: the machine tool uses a cross coupling to drive the spline shaft transmission, and the position adjustment range of the drill rod is large. The machine tool can process multiple screws on the same plane as the valve mouth Products with textured holes.

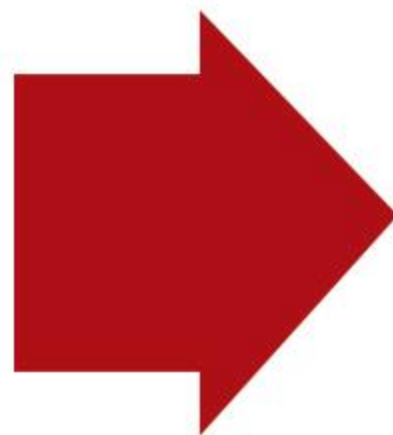
2. High processing efficiency: During the machining process, the machine tool uses the longitudinal feed of the first power head to complete the drilling process of the thread pattern. The workpiece is moved from the transverse worktable to the second station, and the longitudinal feed of the second power head completes the threading process of the thread. The required time is 1-2 minutes.

3. Reduce manual labor: Traditional tapping requires two processes, namely drilling the threaded bottom hole and tapping, and requires the use of grinding tools to process each hole one by one, wasting time. This machine tool can complete the drilling and tapping of multiple holes in one clamping, with very high work efficiency.

4. High uniformity of machining dimensions: After the first adjustment is completed, only the workpiece needs to be clamped to cycle the drilling and tapping work.

5. Easy to operate: This machine tool is easy to operate, and anyone with or without experience can learn it at a glance.

Processed Products



SPECIFICATIONS

Project 项目	Machine tool specification 机床规格	YCZG200HT	YCZG300HT
Technical specifications 技术规格	Maximum drilling center distance (mm) 最大钻削中心距(mm)	φ 230	φ 400
	Intermediate flange to cencte maximum machining length(mm) 中间法兰至中心最大加工尺寸 (mm)	300	400
	Intermediate flange to cencte minimum machining length(mm) 中间法兰至中心最小加工尺寸 (mm)	150	150
	Power box stroke(mm) 动力箱行程 (mm)	180	320
	Travel of moving table(mm) 移动工作台行程 (mm)	460	460
Machining precision 加工精度	Bit connection mode 钻头连接方式	ER chuck ER夹头	ER chuck ER夹头
	Position(mm) 位置度(mm)	≤0.2	≤0.2
Spondle drive 主轴传动	Transmission from (Gearshifting) 传动形式 (齿轮变速)	12.5	12.5
	Spindle motor range (r/min) 主轴转速范围 (r/min)	400/100	300/100
	Spindle motor model 主轴电机型号	YE2-132M-6-2.2KW	YE2-132M-6-3KW
Numerical control system 数控控制系统	PLC		
Feed form 进给形式	Hydraulic transmission/Cylinder transmission 液压传动/气缸传动		
Machine tool shape 机床外形	Overall dimension of machinetool (length X width X height)(mm) 机床外形尺寸 (长X宽X高mm)	2300X1700X1700	2500X1900X1800
Machine tool weight (kg) 机床重量 (kg)		1100	1800

THREE-SIDED DRILLING AND TAPPING MACHINE

Simple and qulick operation | Improve processing efficiency | Save labor | Reduce cost



Characteristics and advantages of machine tools

- 1.The machine tool adopts PLC system control and hydraulic transmission, with simple and fast operation. It can simultaneously process two flange drilling and middle head drilling threads. Fast speed, improved processing efficiency, saved labor, and reduced costs.

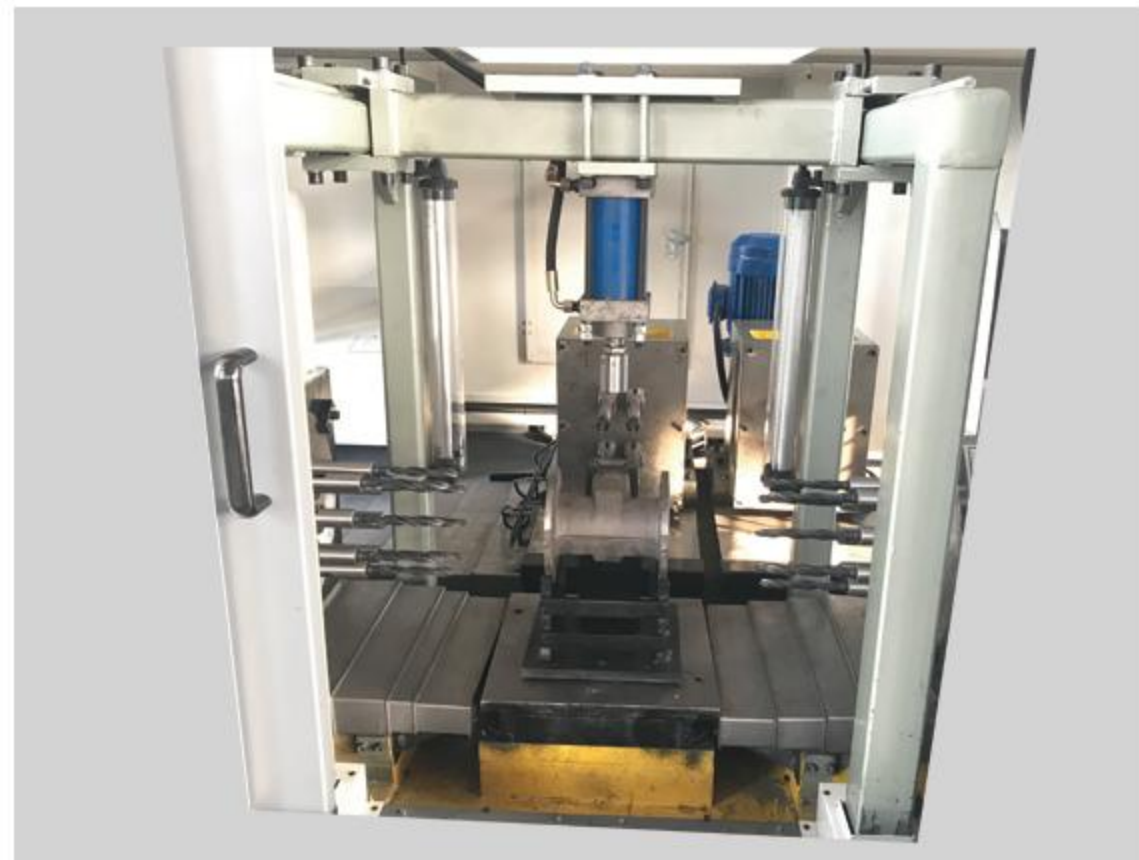
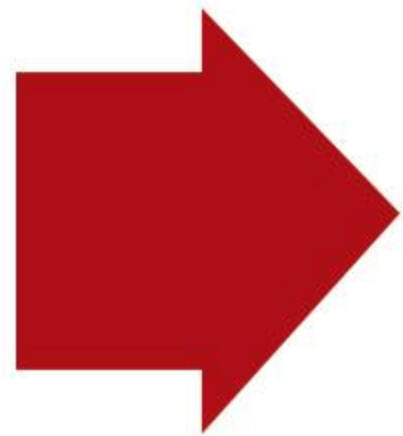
2.The bed is suitable for processing gate valves, water conservancy valves, etc. that require drilling at both ends and threading at the middle end. It has high processing efficiency, reduces labor, has high uniformity in processing dimensions, and is easy to operate High efficiency, the machine tool uses three power heads to work simultaneously during the machining process, which can complete the machining of three flat drilling holes and mid head tapping threads at the same time.

3.Less manual labor means combining a double-sided porous drill and a mid head drilling and tapping machine to clamp workpieces in one go. The two flanges and mid head are processed simultaneously, which not only improves efficiency but also reduces clamping times.Additionally, one person can operate 2-3 specialized machines.

4.The uniformity of dimensions is high, and this special machine is completely controlled by a PLC system with dedicated tooling positioning.Only one tool alignment is needed to repeatedly process the same type of workpiece, thereby improving the uniformity of dimensions.

5. Easy to operate, this special machine adopts PLC and travel switch control, which is easy for those with experience in organic operation or basic organic processing to learn.
- The machine tool is controlled by a hydraulic system and consists of two porous drilling power heads and a movable fixture. When working,the workpiece is first placed on the fixture, and multiple drilling power heads complete the drilling action. Then the fixture automatically slides to the porous tapping power head to complete the tapping action. Drilling and threading only require one clamping. Compared with ordinary drilling machines, this machine tool is easier to operate, greatly reducing the labor of workers and improving processing efficiency.

Processed Products



SPECIFICATIONS

Project 项目	Machine tool specification 机床规格	YC III ZG200HT	YC III ZG400HT
Technical specifications 技术规格	Maximum drilling center distance (mm) 最大钻削中心距(mm)	φ 295	φ 525
	Maximum machining length(mm) 最大加工长度 (mm)	600	700
	Minimum machining length(mm) 最小加工长度 (mm)	200	300
	Intermediate flange to center maximum machining size(mm) 中间法兰至中心最大加工尺寸 (mm)	300	400
	Intermediate flange to center minimum machining size(mm) 中间法兰至中心最小加工尺寸 (mm)	150	150
	Travel(mm) 行程(mm)	345/300	430
	Bit connection mode (Morse taper shank) 钻头连接方式 (莫氏锥柄)	Motaper shank 2#/ER chuck 莫式锥柄2#/ER夹头	Motaper shank 2#/Motaper shank 3#/ER chuck 莫式锥柄2#/莫式3#/ER夹头
Machining precision 加工精度	Position of flanges on both sides(mm) 两侧法兰位置度 (mm)	≤0.5	≤0.5
	Position ofintermediateflange(mm) 中间法兰位置度 (mm)	≤0.5	≤0.2
	Surface roughness 表面粗糙度	12.5	12.5
Spondle drive 主轴传动	Transmission from (Gearshifting) 传动形式 (齿轮变速)	Second speed change 2档变速	Second speed change 2档变速
	Spindle motor range (r/min) 主轴转速范围 (r/min)	225/286 400/100	159/231 400/100
	Model of middle flange spindlemotor 中间法兰主轴电机型号	YE2-132M-6-2.2KW	YE2-132M-6-3.7KW
	Model of spindle motorwith flangeat bothends 两端法兰主轴电机型号	YE2-132M-6-5.5KW	YE2-132M-6-5.5KW
Numerical control system 数控控制系统	PLC		
Feed form 进给形式	Hydraulic transmission/Cylinder transmission 液压传动/气缸传动		
Machine tool shape 机床外形	Overall dimension of machinetool (length X width X height)(mm) 机床外形尺寸 (长X宽X高mm)	2800X2400x1500	3300X2600X1600
Machine tool weight (kg) 机床重量 (kg)		3500	4000

ROTARY TABLE U-DRILLING MACHINE

Simple and quick operation | Improve processing efficiency | Save labor | Reduce cost



Characteristics and advantages of machine tools

The machine tool adopts a CNC system control, a vertical high-speed spindle, a longitudinal slide table and a rotary table layout under the spindle, making operation simple and fast. One clamping can achieve the sequential drilling process of multiple holes evenly distributed on the flange, and the processing speed is fast, efficient, and labor-saving.

1. The machine tool is suitable for processing flange products below DN100, with high processing efficiency, reduced manual processing, high uniformity of dimensions, and easy operation.

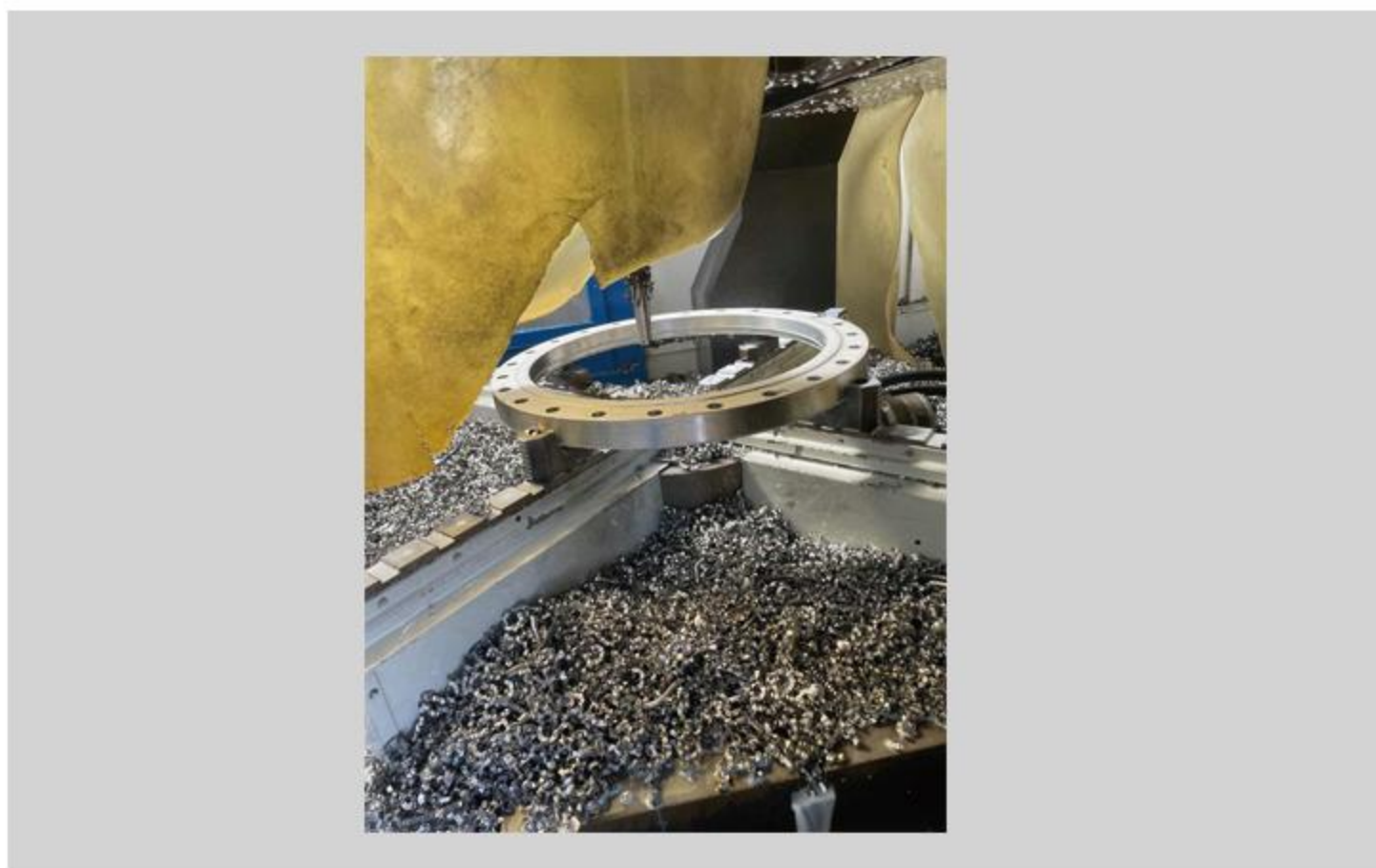
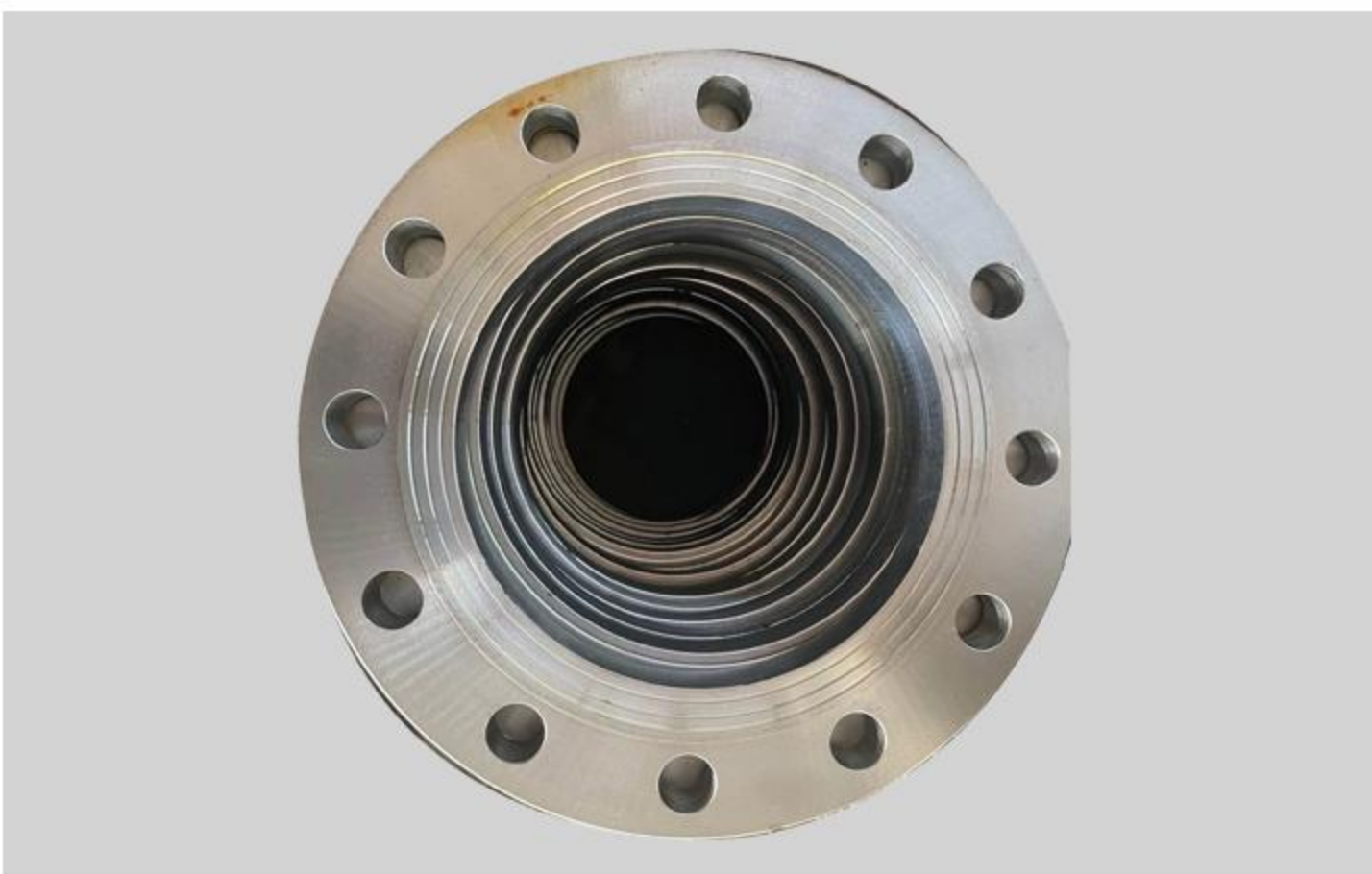
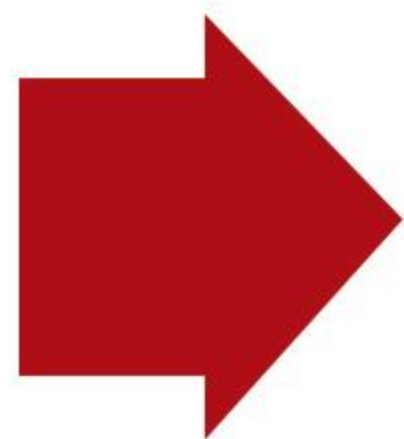
2. High processing efficiency, controlled by the CNC system of the machine tool during the processing, with high spindle speed and automatic feed.

3. Reducing manual labor, one device is equivalent to the efficiency of three ordinary devices, and one person can operate at least three specialized machines.

4. The uniformity of machining dimensions is high, and this machine tool is completely controlled by a CNC system. Only one tool alignment is needed to repeatedly machine the same type of workpiece, thereby improving the uniformity of dimensions.

5. Easy to operate, this special machine is completely controlled by a CNC system. Experienced CNC operators or those with a foundation in machine tool processing can learn it immediately.

Processed Products



SPECIFICATIONS

Project 项目	Machine tool specification 机床规格	YCUZ200	YCUZ300
Technical specifications 技术规格	Maximum workpiece diameter (mm) 最大工件直径 (mm)	φ 340	φ 460
	Minmum workpiece diameter (mm) 最小工件直径 (mm)	φ 150	φ 280
	Maximum borehole diameter (mm) 最大钻孔直径 (mm)	φ 23	φ 26
	X-axis travel(mm) X轴行程 (mm)	120	120
	Z-axis travel(mm) Z轴行程 (mm)	300	300
Machining precision 加工精度	Position(mm) 位置度(mm)	φ 0.4	φ 0.4
	Hole tolerance 孔径公差	+0.2/0	+0.2/0
	Roughness 粗糙度	Ra3.2	Ra3.2
Spindle drive 主轴传动	Transmit 传动	Synchronous belt 同步带	Synchronous belt 同步带
	Spindle motor range (r/min) 主轴转速范围 (r/min)	1000-3000	1000-3000
	Spindle motor model 主轴电机型号	200ZJY-4-4.0	200ZJY-4-4.0
	Spindle servo motor 主轴伺服电机	4.0kw	4.0kw
Numerical control system (optional) 数控控制系统 (选配)	Nanjing Huaxing CNC, Guangzhou CNC,and Keyuan CNC 南京华兴数控、广州数控、科源数控		
Feed form 进给形式	Actuating motor 伺服电机	15N.m	15N.m
Machine bedoutersha (Full protection) 机床外形 (全防护)	Machine tool host size (length x width x height)(mm) 机床主机尺寸 (长x宽x高mm)	2150X1620X2000	2150X1620X2000

GROUP U SPECIAL DRILLING MACHINE

Simple and qulick operation | Improve processing efficiency | Save labor | Reduce cost



Characteristics and advantages of machine tools

The machine tool adopts CNC system control, vertical multi axis U-drill drilling, and simple and fast operation. The process of drilling multiple holes evenly distributed on the flange at the same time can be achieved with one clamping, and the processing speed is fast, efficient, and labor-saving.

1. The machine tool is suitable for processing flange products above DN150, with high processing efficiency, reduced manual processing, high uniformity of dimensions, and easy operation.

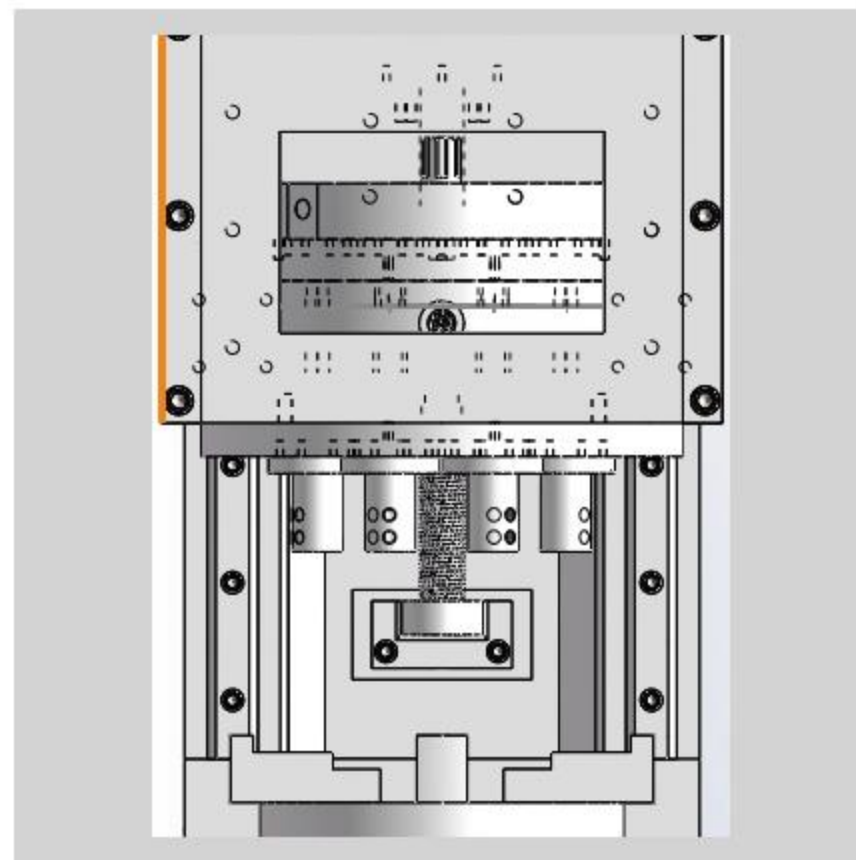
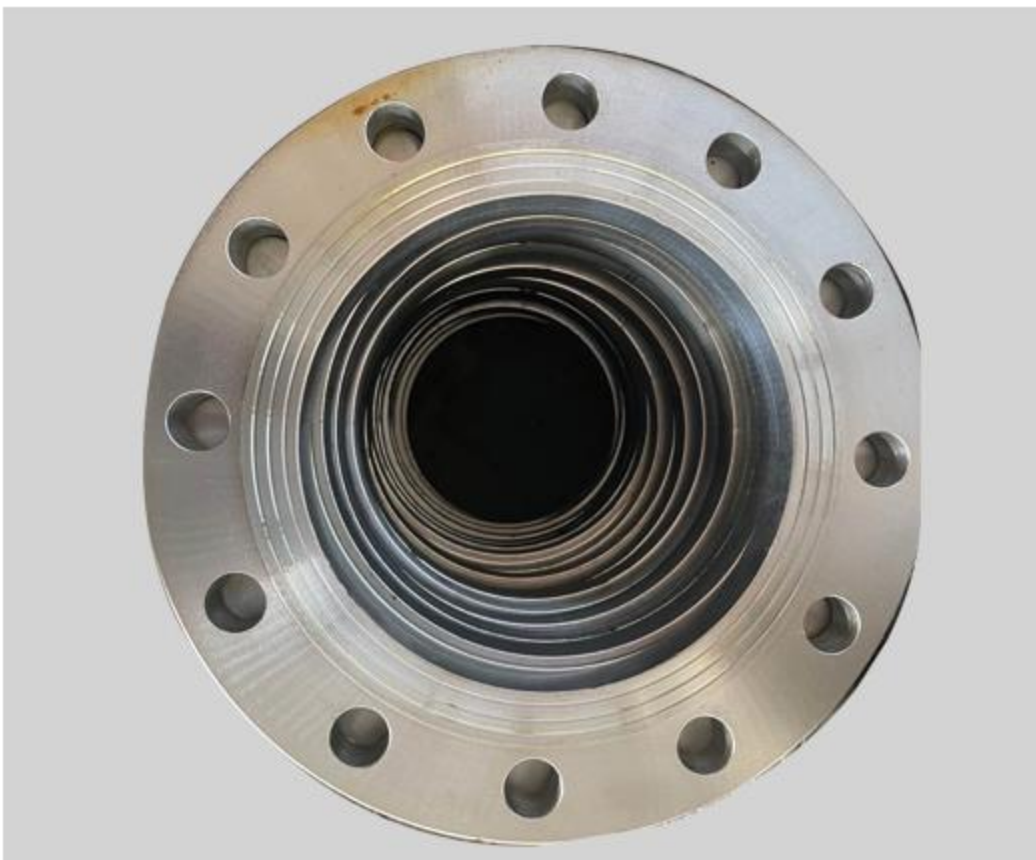
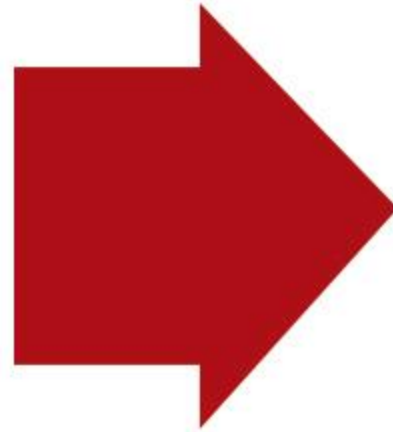
2. The machine tool uses a U-drill for drilling, with high speed and high feed rate, resulting in high machining efficiency. During the machining process, the CNC system of the machine tool controls the automatic feed rate.

3. The drilling head adopts a multi axis structure, and the holes on the flange can be processed simultaneously at once. The efficiency of processing the same type of flange is twice that of general equipment (hole count X1.15), and one person can operate at least 3 specialized machines.

4. The uniformity of machining dimensions is high, and this machine tool is completely controlled by a CNC system. Only one tool alignment is needed to repeatedly machine the same type of workpiece, thereby improving the uniformity of dimensions.

5. Easy to operate, this special machine is completely controlled by a CNC system. Experienced CNC operators or those with a foundation in machine tool processing can learn it immediately.

Processed Products



SPECIFICATIONS

Project 项目	Machine tool specification 机床规格	YCQUZ200	YCQUZ300
Technical specifications 技术规格	Maximum workpiece diameter (mm) 最大工件直径 (mm)	φ 340	φ 460
	Minmum workpiece diameter (mm) 最小工件直径 (mm)	φ 280	φ 390
	Maximum borehole diameter (mm) 最大钻孔直径 (mm)	8- φ 23	12- φ 26
	Feed shaft stroke(mm) 进给轴行程 (mm)	300	300
Machining precision 加工精度	Position(mm) 位置度(mm)	φ 0.4	φ 0.4
	Hole tolerance 孔径公差	+0.2/0	+0.2/0
	Roughness 粗糙度	Ra3.2	Ra3.2
Spondle drive 主轴传动	Transmit 传动	Synchronous belt 同步带	Synchronous belt 同步带
	Spindle motor range (r/min) 主轴转速范围 (r/min)	970	970
	Spindle motor model 主轴电机型号	YE2-160L-6B5	YE2-180L-6B5
	Spindle motor 主轴电机	11KW	15KW
Numerical control system (optional) 数控控制系统 (选配)	Nanjing Huaxing CNC, Guangzhou CNC, and Keyuan CNC 南京华兴数控、广州数控、科源数控		
Feed form 进给形式	Actuating motor 伺服电机	10N.m	15N.m
Machine bedoutersha (Full protection) 机床外形 (全防护)	Machine tool host size (length x width x height)(mm) 机床主机尺寸 (长x宽x高mm)	2300X1860X2450	2300X1860X2450

BUTTERFLY VALVE COMPLETE SEQUENCE MACHINING CENTER

Simple and qulick operation | Improve processing efficiency | Save labor | Reduce cost



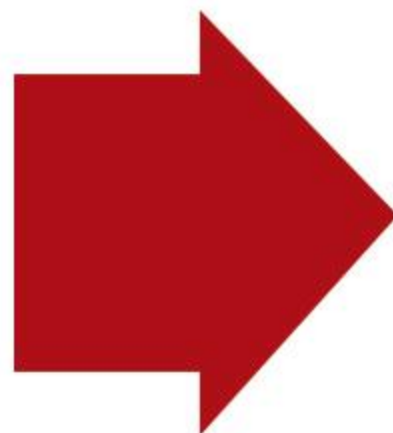
Introduction To Butterfly Valve Full Sequence Machining Machine Tool

The machine tool is controlled by a numerical control system, which is easy and fast to operate. Simultaneous processing of three surfaces is fast, improving processing efficiency, saving labor, and reducing costs.

This machine tool is a butterfly valve full sequence machining machine, which can meet the full sequence machining of butterfly valves.

The machine tool adopts a horizontal three sided form, with boring power heads at the left and right ends, and a six station power turret and cross slide table arrangement in the middle. The six station turret can install six cutting tools, which can meet the requirements of workpiece, outer circle, end face, end face, drilling, expanding valve stem hole and other processes by changing the tools.

Processed Products



SPECIFICATIONS

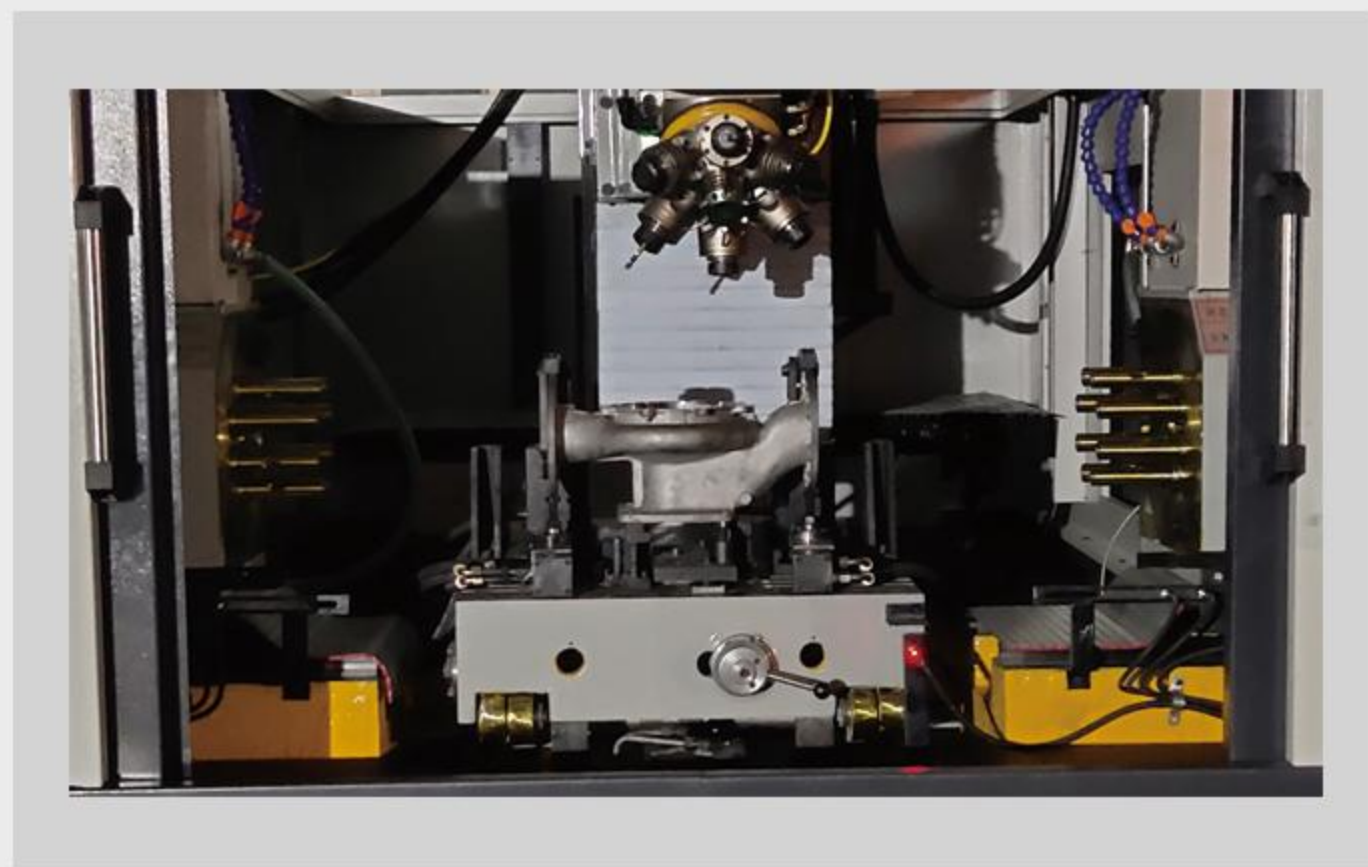
Project 项目	Machine tool specifications 机床规格	YCGCZJ-200HT
Technical specifications 技术规格	The diameter range of the workpiece being machined on the boring machine head 镗车头 被加工工件直径范围	Φ 60- Φ 220
	Range of length of processed workpiece 被加工工件长度范围	90-200
	The length range from the middle end face to the center of both ends of the processed workpiece 被加工工件中间端面到两端中心长度范围	75-210
	Spindle diameter 主轴直径	Φ 100mm
	Connection method of power turret handle 动力刀塔刀柄连接方式	BT40
	Boring head cutterhead X-direction travel 镗车头 刀盘X向行程	70mm
	Effective Z-axis travel of the sliding table at both ends of the boring machine head 镗车头 两端滑台Z向有效行程	350mm
	Power turret center power turret sliding table X-axis travel 动力刀塔 中心动力刀塔滑台X轴行程	400mm
	Power turret center power turret slide Z-axis travel 动力刀塔 中心动力刀塔滑台Z轴行程	500mm
	Power turret servo main motor 动力刀塔 伺服主电机	ZMYA-380-200M-5.5KW
	Three asynchronous motors for boring locomotive head 镗车头 三项异步电机	Y132M-6 N=5.5kw n=960rpm
	Power turret workstation 动力刀塔工位	6 Workstations 6工位
Processing accuracy 加工精度	Coaxiality of left and right heads 左右头 同轴度	≤ 0.1
	Parallelism of left and right heads 左右头 平行度	≤ 0.1
	Verticality of left and right heads to the middle head 左右头对中间头垂直度	≤ 0.1
	Coaxiality of valve stem hole 阀杆孔同轴度	≤ 0.2
Main shaft drive 主轴传动	Knife tower transmission form 刀塔传动形式	Synchronous belt 同步带
	Boring machine head transmission form 镗车头传动形式	Gear drive 齿轮传动
	Range of spindle speed for turret 刀塔主轴转速范围	0-1500rp/min (Servo speed regulation) 0-1500rp/min (伺服调速)
	Boring machine head spindle speed range (r/min) 镗车头 主轴转速范围 (r/min)	68-108-157-229rp/min (Four speed mechanical transmission) 68-108-157-229rp/min(四档机械变速)
CNC control system (optional) 数控控制系统 (选配)	Nanjing Dafeng servo system 南京达风伺服系统	Wide range servo system, etc 广数伺服系统 等
Feed form 进给形式	Servo motor 伺服电机	7.7N.M
Machine tool appearance (optional) 机床外形 (选配)	Full protection, high protection, and simple protection 全防护 高防护 简易防护	
Machine weight (kg) 机床重量 (kg)		5300

VERTICAL AND HORIZONTAL THREE-SIDE CNC BORING LATHE

Simple and quick operation | Improve processing efficiency | Save labor | Reduce cost



Processed Products



Note: The machine tool travel parameters need to be designed according to the actual requirements.

GATE VALVE FULL SEQUENCE PROCESSING COMBINATION OF SPECIAL MACHINE

Simple and quick operation | Improve processing efficiency | Save labor | Reduce cost



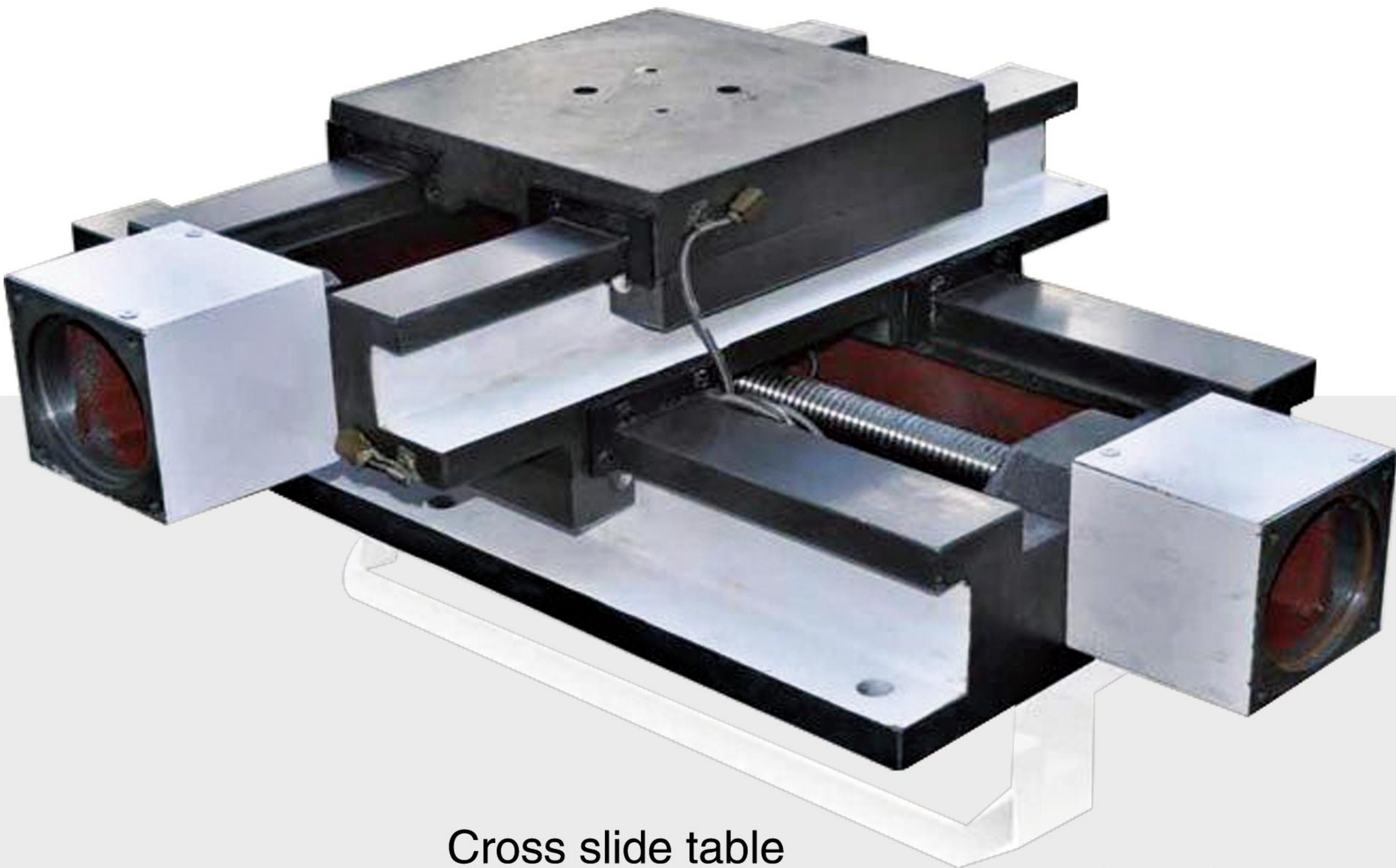
Processed Products



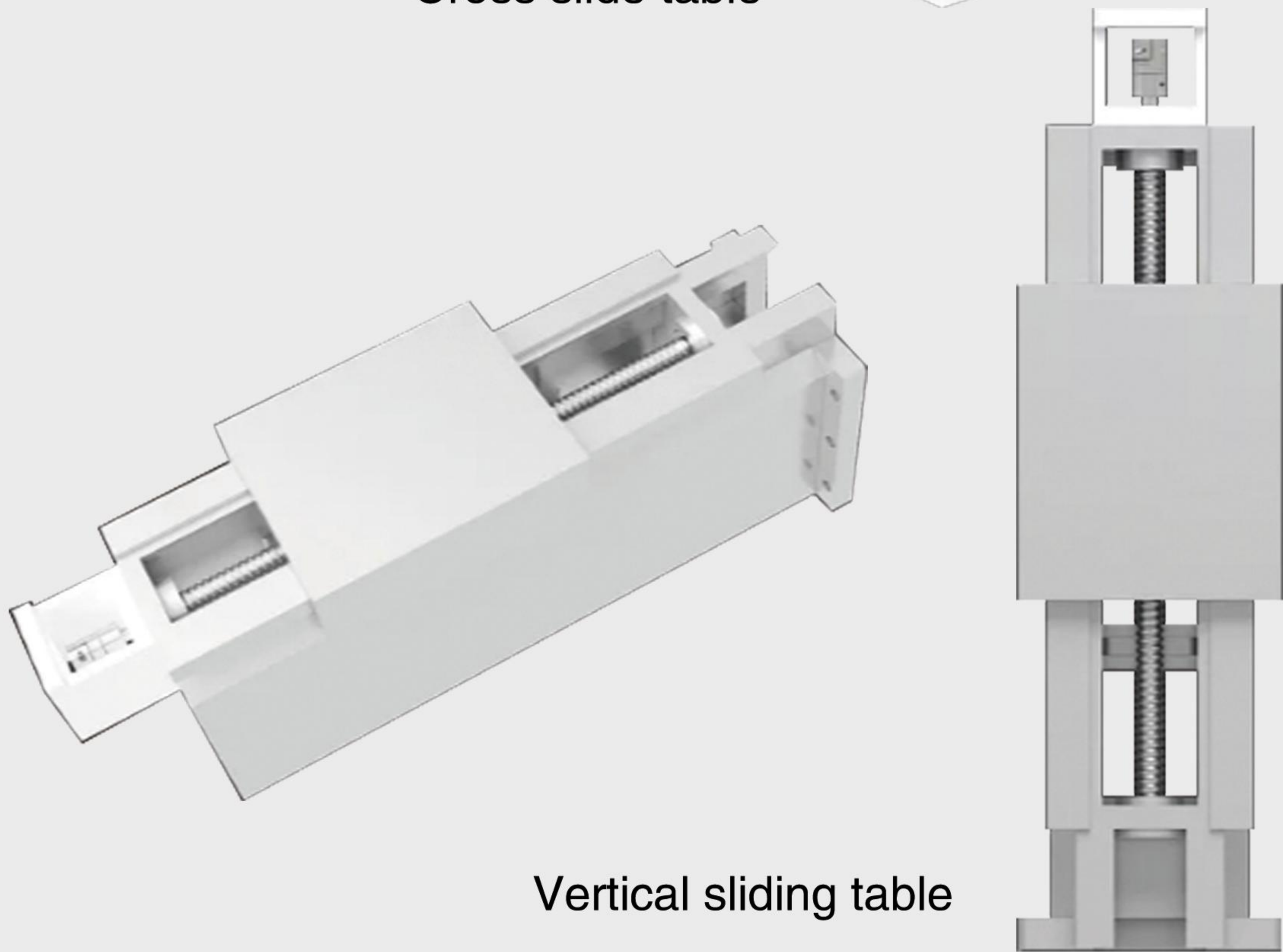
Note: The machine tool travel parameters need to be designed according to the actual requirements.

CROSS SLIDE TABLE, VERTICAL SLIDE TABLE

Simple and quick operation | Improve processing efficiency | Save labor | Reduce cost



Cross slide table



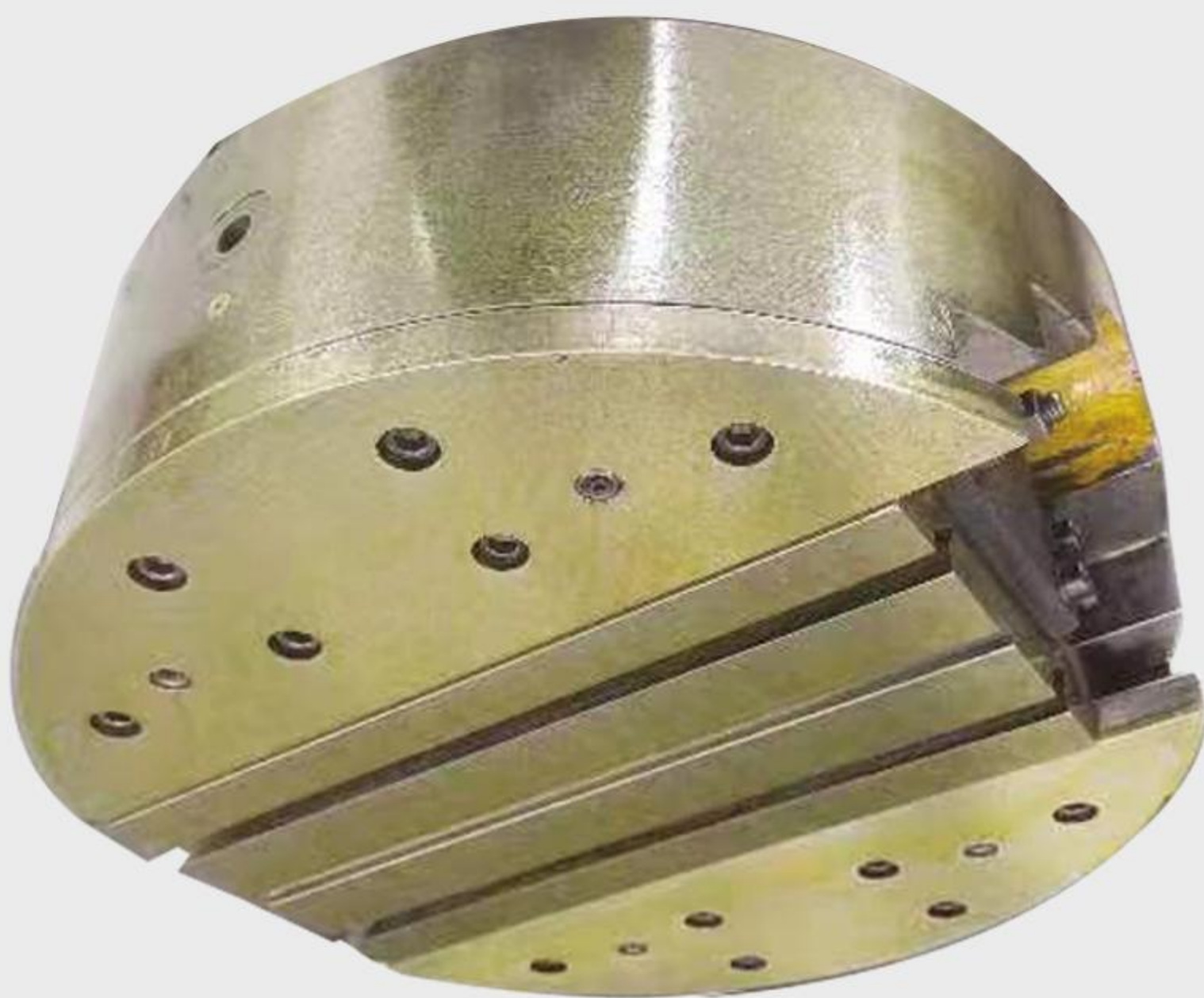
Vertical sliding table

BORING HEAD、FLAT DISC

Simple and quick operation | Improve processing efficiency | Save labor | Reduce cost



Boring head



Flat rotary disk