COMPANY PROFILE

Jiangsu chuangliang intelligence CNC technology co., LTD. Is located in the east, south of jiangsu province, north the Yangtze river delta in taihu lake plain. Zhangjiagang city in the east of wuxi in the south, west of changzhou, north of jiangyin city of jingjiang. Jiangyin is located in the river's end head of the sea, the Yangtze river throat, past dynasties for building defensive works stronghold, is an important transportation hub and the great river north and south of rivers through uniform for natural harbor, traffic convenient communication.

Our company has a professional and technical personnel and long-term personnel engaged in CNC machine tool design and development of product development and design team, to grasp the international cutting-edge technology, create their own unique technical characteristics. Specializes in high-speed and efficient, full-featured CNC gear hobbing machine and gear flexible manufacturing center of research and development, manufacturing, sales and after-sales technical support, for different customers with the best dental scheme.

In order to meet the challenges of economic globalization, in recent years, the company has accelerated the pace of technological innovation, strengthen the technological transformation, the introduction of foreign advanced equipment and testing instruments, pay more attention to the product of science and technology development and market development.

Our company always adhere to "quality first, reputation first, customer supreme, quality service" business philosophy, adherence to the "excellence, win-win cooperation, continuous improvement, to create the biggest value for customers" the quality policy, adhere to promote the spirit of "innovation, perseverance and responsibility", the manufacture of high precision, high efficiency, high reliability, to create to become the domestic first-class, international advanced "high-end brands, to promote the development of China's CNC gear machine tool industry and make unremitting efforts.

PRODUCT INTRODUCTIONG
YK series High Speed CNC Hobbing Machine

创良科技

MACHINE CHARACTERISTICS

YK series High Speed CNC Hobbing Machine, mainly for the cylindrical spur and helical gears, the gear, under synchronous belt wheel, spline gear, worm gear, drum parts production and processing, such as research and development. Machine is horizontal layout, the design is novel, the main idea of the product design idea is: to the real needs of customers as a design goal, will improve the product quality, improve production efficiency, reduce the production cost of this a few aspects emphatically. And for the majority of users for different product design form a complete set of automatic feeding manipulator, greatly improve production efficiency.

1,Machine adopts electronic gear box function, cancelled the traditional hobbing machine complex mechanical transmission chain, greatly increases the driving rigidity and accuracy, to avoid the traditional hobbing machine multifarious hanging wheel calculation and exchange hanging wheel, etc.

2,Machine tool castings using solid double wall steel structure, and through the finite element analysis, the whole rigidity of the machine tools and precision of lathe bed stability to achieve the best state.

3,Unique way of guide rail configuration make the machine with high rigidity, increasing the rolling force is at the same time to avoid the slideway of the impact of product quality.

创良科技

4,In wet roll cutting ", the machine adopts machine overall thermal conductivity method, through the cooling oil circulation take away the heat generated by the high-speed slitting, at the same time also make part of the uniform heat conduction to all parts of machine tool thermal balance effect.

5,Machine adopt unique message structure to eliminate clearance, improve product stability and precision machine tool drive stationarity, also make the machine tool has a good dynamic response.

6, When using corresponding fixtures and cutting tools, machine tool can be used wet roll cutting and dry cutting two kinds of processing methods.

7, Equipped with special options, two knife and finishing machine can realize gear scraping function, eliminating the hard tooth surface gear grinding process which saves the processing cost.

8, The machining precision can reach grade 6 to 7.

9, Friendly nc interface makes the machine easy to operate, operator training to operation of machine tools by simple days.

Yk3120 The main technical parameters

最大加工直径	The largest machining diameter	mm	200
最大加工模数	The largest processing module	m	4
工作台面直径	Work surface diameter	mm	200
最大刀具直径	The largest diameter cutter	mm	120
最大刀具长度	The biggest tool length	mm	150
使用刀杆规格	The use of tool rod specifications	mm	22/27
主轴锥度规格	The spindle taper specifications		Bt40
滚刀轴最高转速	Highest hob shaft speed	rpm	2800
工件轴最高转速	Work piece axis of the highest speed	rpm	300
X轴行程	X trip	mm	170
Y轴行程	Y trip	mm	100
Z轴行程	Z axis stroke	mm	300
工件角度	Deg	±45 °	±45 °
X轴最大快移速度	X axis maximum fast moving speed	mm	4000
Y轴最大快移速度	Y the most moving speed	mm	2000
Z轴最大快移速度	Z axis maximum fast moving speed	mm	5000
机床电器总功率	Total power machine motor	KVA	24
机床外观尺寸	Machine tool appearance size	mm	2720X1850X2820
机床重量	Machine weight	KG	约 7000

The standard configuration

Numerical control system	Electric cabinet	Hydraulic system	Wet-cut cooling system
Chip conveyor	Ø13/16 tool rod	Centralized lubrication system	Iron filings recovery unit
Cushion iron for shock-proof machine tool	Toolbox and Adjustment Tool		

Optional configuration

Dynapath Numerical control system	German Siemens CNC System	Tooling fixture	Automatic feeding and unloading device
Precision Scraping Double Tool Setting Device	Dry-cut gas-cooled Micro-lubrication device	Oil mist separator	Hydraulic clamping cylinder assembly
Automatic broach device	Ø32 tool rod		

YK3612 The main technical parameters

项目	PROJECTOR	UNIT	parameter values
最大加工直径	The largest machining diameter	mm	120
最大加工模数	The largest processing module	m	2.5
工作台面直径	Work surface diameter	mm	110
最大刀具直径	The largest diameter cutter	mm	80
最大刀具长度	The biggest tool length	mm	90
使用刀杆规格	The use of tool rod specifications	mm	13、16
主轴锥度规格	The spindle taper specifications		BT30
滚刀轴最高转速	Highest hob shaft speed	rpm	3000
工件轴最高转速	Works spindle of the highest speed	rpm	440
X轴行程	X trip	mm	105
Y轴行程	Y trip	mm	80
Z轴行程	Z axis stroke	mm	300
工件角度	Deg	±45 °	±45 °
X轴最大快移速度	X axis maximum fast moving speed	mm	5000
Y轴最大快移速度	Y the most moving speed	mm	2000
Z轴最大快移速度	Z axis maximum fast moving speed	mm	5000
机床电器总功率	Machine tool electrical total capacity	KVA	18
机床外观尺寸	Machine tool appearance size	mm	2220X2020X2020
机床重量	Machine weight	KG	约4600

The standard configuration

Numerical control system	Electrical cabinet	The hydraulic system	Wet-cut cooling system
Electrical cabinet cooling system	Ø13 tool rod	Automatic lubrication system	Iron filings recovery unit
iron gasket for machine tool	The toolkit	Mo style 3# apex	Chip conveyor

Optional configuration

Dynapath Numerical control system	German Siemens CNC System	Tooling fixture	Automatic feeding and unloading device
Precision Scraping Double Tool Setting Device	Ø22 tool rod	Oil mist separator	Hydraulic clamping cylinder assembly
Automatic broach device	Dry-cut gas-cooled Micro-lubrication device		

Yk3115 The main technical parameters

最大加工直径	The largest machining diameter	mm	160
最大加工模数	The largest processing module	m	3
工作台面直径	Work surface diameter	mm	150
最大刀具直径	The largest diameter cutter	mm	90
最大刀具长度	The biggest tool length	mm	90
使用刀杆规格	The use of tool rod specifications	mm	16/22
主轴锥度规格	The spindle taper specifications		Bt30
滚刀轴最高转速	Highest hob shaft speed	rpm	3000
工件轴最高转速	Work piece axis of the highest speed	rpm	410
X轴行程	X trip	mm	130
Y轴行程	Y trip	mm	80
Z轴行程	Z axis stroke	mm	300
工件角度	Deg	±45 °	±45 °
X轴最大快移速度	X axis maximum fast moving speed	mm	4000
Y轴最大快移速度	Y the most moving speed	mm	2000
Z轴最大快移速度	Z axis maximum fast moving speed	mm	5000
机床电器总功率	Total power machine motor	KVA	20
机床外观尺寸	Machine tool appearance size	mm	2400X1610X2422
机床重量	Machine weight	KG	约 5900

The standard configuration

Numerical control system	Electric cabinet	Hydraulic system	Wet-cut cooling system
Chip conveyor	Ø13/16 tool rod	Centralized lubrication system	Iron filings recovery unit
Cushion iron for shock-proof machine tool	Toolbox and Adjustment Tool		

Optional configuration

Dynapath Numerical control system	German Siemens CNC System	Tooling fixture	Automatic feeding and unloading device
Precision Scraping Double Tool Setting Device	Dry-cut gas-cooled Micro-lubrication device	Oil mist separator	Hydraulic clamping cylinder assembly
Automatic broach device	Ø32 tool rod		

Yk3125 The main technical parameters

最大加工直径	The largest machining diameter	mm	250
最大加工模数	The largest processing module	m	5
工作台面直径	Work surface diameter	mm	220
最大刀具直径	The largest diameter cutter	mm	130
最大刀具长度	The biggest tool length	mm	150
使用刀杆规格	The use of tool rod specifications	mm	27/32
主轴锥度规格	The spindle taper specifications		Bt40
滚刀轴最高转速	Highest hob shaft speed	rpm	2200
工件轴最高转速	Work piece axis of the highest speed	rpm	200
X轴行程	X trip	mm	200
Y轴行程	Y trip	mm	100
Z轴行程	Z axis stroke	mm	300
工件角度	Deg	±45 °	±45 °
X轴最大快移速度	X axis maximum fast moving speed	mm	3500
Y轴最大快移速度	Y the most moving speed	mm	1500
Z轴最大快移速度	Z axis maximum fast moving speed	mm	4000
机床电器总功率	Total power machine motor	KVA	29
机床外观尺寸	Machine tool appearance size	mm	2720X2600X2800
机床重量	Machine weight	KG	约 7500

The standard configuration

Numerical control system	Electric cabinet	Hydraulic system	Wet-cut cooling system
Chip conveyor	Ø27/32 tool rod	Centralized lubrication system	Iron filings recovery unit
Cushion iron for shock-proof machine tool	Toolbox and Adjustment Tool		

Optional configuration

Dynapath Numerical control system	German Siemens CNC System	Tooling fixture	Automatic feeding and unloading device
Precision Scraping Double Tool Setting Device	Dry-cut gas-cooled Micro-lubrication device	Oil mist separator	Hydraulic clamping cylinder assembly
22 tool rod			

Yk3132 The main technical parameters

最大加工直径	The largest machining diameter	mm	320
最大加工模数	The largest processing module	m	6
工作台面直径	Work surface diameter	mm	280
最大刀具直径	The largest diameter cutter	mm	150
最大刀具长度	The biggest tool length	mm	160
使用刀杆规格	The use of tool rod specifications	mm	32/40
滚刀窜刀长度	Hob shift distance	mm	120
滚刀轴最高转速	Highest hob shaft speed	rpm	2000
工件轴最高转速	Work piece axis of the highest speed	rpm	200
工件角度	Deg	±45 °	±45 °
X轴最大快移速度	X axis maximum fast moving speed	mm	3000
Y轴最大快移速度	Y axis maximum the most moving speed	mm	1200
Z轴最大快移速度	Z axis maximum fast moving speed	mm	3000
机床电器总功率	Total power machine motor	KVA	32
机床外观尺寸	Machine tool appearance size	mm	2900X1850X2550
机床重量	Machine weight	KG	约 10000

The standard configuration			
Numerical control system	Electric cabinet	Hydraulic system	Wet-cut cooling system
Chip conveyor	Ø32/40 tool rod	Centralized lubrication system	Iron filings recovery unit
Cushion iron for shock-proof machine tool	Toolbox and Adjustment Tool		

Optional configuration			
Dynapath Numerical control system	German Siemens CNC System	Tooling fixture	Hydraulic clamping cylinder assembly
Precision Scraping Double Tool Setting Device	Dry-cut gas-cooled Micro-lubrication device	Oil mist separator	

G series High Speed CNC Hobbing Machine

创良科技

MACHINE CHARACTERISTICS

G series are High Speed Direct Drive CNC Hobbing Machine. Mainly include G120、G150、 G200、G320 models.This series of high-speed CNC hobbing machine is designed as direct drive machine.Direct Driving Hob Spindle and Workbench with German Siemens High Power Direct Drive Motor.

1,Compared with YK series,The advantages of this series are higher rigidity,higher cutting force,Higher accuracy and stability and Extremely maintenance free of B and C axis maximum.

2,This series can machining 0.3-6 models cylindrical spur , helical gears,drum gear and small taper gear.Also can machining spline,synchronous pulley,sprocket wheel,worm gear and various non-standard gears.

3, Equipped with special options, two knife and finishing machine can realize gear scraping function, eliminating the hard tooth surface gear grinding process which saves the processing cost.

4,Direct drive spindle has been specially processed and accurately debugged to achieve excellent efficiency ratio.Equipped with oil cooling system to solve the heat problem of spindle.

创良科技

5,Automatic feeding and unloading device can be selected to achieve higher automation production, improve productivity, greatly reduce production costs and professional and technical requirements for operators.

6,Wet-cut cooling or air-cooled Micro-lubrication cooling can be selected to meet the requirements of various processing schemes of users.

7,Unique machine tool structure design makes the machine tool has a high overall rigidity, can withstand heavy cutting and secondary hard scraping.

8,Tool spindle has the function of automatic tightening and loosening of tool rod, which improves the operation convenience.

9,Using high strength castings and double wall structure design to enhance the processing stability and rigidity of machine tools

10, Friendly nc interface makes the machine easy to operate, operator training to operation of machine tools by simple days.

G120 The main technical parameters

项目	PROJECTOR	UNIT	parameter values
最大加工直径	The largest machining diameter	mm	120
最大加工模数	The largest processing module	m	2.5
工作台面直径	Work surface diameter	mm	110
最大刀具直径	The largest diameter cutter	mm	80
最大刀具长度	The biggest tool length	mm	80
使用刀杆规格	The use of tool rod specifications	mm	13、16
主轴锥度规格	The spindle taper specifications		BT30
滚刀轴最高转速	Highest hob shaft speed	rpm	3000
工件轴最高转速	Works spindle of the highest speed	rpm	600
X轴行程	X trip	mm	105
Y轴行程	Y trip	mm	80
Z轴行程	Z axis stroke	mm	300
工件角度	Deg	±45 °	±45 °
X轴最大快移速度	X axis maximum fast moving speed	mm	5000
Y轴最大快移速度	Y the most moving speed	mm	2000
Z轴最大快移速度	Z axis maximum fast moving speed	mm	5000
机床外观尺寸	Machine tool appearance size	mm	2220X2020X2020
机床重量	Machine weight	KG	约4600
The standard configuration			
Numerical control system	Electrical cabinet	The hydraulic system	Wet-cut cooling system
Automatic broach device	Ø13 tool rod	Automatic lubrication system	Iron filings recovery unit
iron gasket for machine tool	The toolkit	Electrical cabinet air conditioning	Oil cooler
Hydraulic clamping cylinder assembly	Chip conveyor	Grating ruler	Direct drive motor
Optional configuration			
Dry-cut gas-cooled Micro-lubrication device	Oil mist separator	Tooling fixture	Automatic feeding and unloading device
Precision Scraping Double Tool Setting Device	Ø22 tool rod		

G150 The main technical parameters

最大加工直径	The largest machining diameter	mm	160
最大加工模数	The largest processing module	m	3
工作台面直径	Work surface diameter	mm	150
最大刀具直径	The largest diameter cutter	mm	90
最大刀具长度	The biggest tool length	mm	90
使用刀杆规格	The use of tool rod specifications	mm	16/22
主轴锥度规格	The spindle taper specifications		Bt30
滚刀轴最高转速	Highest hob shaft speed	rpm	3000
工件轴最高转速	Work piece axis of the highest speed	rpm	450
X轴行程	X trip	mm	130
Y轴行程	Y trip	mm	80
Z轴行程	Z axis stroke	mm	300
工件角度	Deg	±45 °	±45 °
X轴最大快移速度	X axis maximum fast moving speed	mm	4000
Y轴最大快移速度	Y the most moving speed	mm	2000
Z轴最大快移速度	Z axis maximum fast moving speed	mm	5000
机床电器总功率	Total power machine motor	KVA	20
机床外观尺寸	Machine tool appearance size	mm	2400X1610X2420
机床重量	Machine weight	KG	约 6000

The standard configuration

Numerical control system	Electrical cabinet	The hydraulic system	Wet-cut cooling system
Automatic broach device	Ø16/22 tool rod	Automatic lubrication system	Iron filings recovery unit
iron gasket for machine tool	The toolkit	Electrical cabinet air conditioning	Oil cooler
Hydraulic clamping cylinder assembly	Chip conveyor	Grating ruler	Direct drive motor

Optional configuration

Dry-cut gas-cooled Micro-lubrication device	Oil mist separator	Tooling fixture	Automatic feeding and unloading device
Precision Scraping Double Tool Setting Device			

G200 The main technical parameters

最大加工直径	The largest machining diameter	mm	200
最大加工模数	The largest processing module	m	4
工作台面直径	Work surface diameter	mm	200
最大刀具直径	The largest diameter cutter	mm	120
最大刀具长度	The biggest tool length	mm	150
使用刀杆规格	The use of tool rod specifications	mm	22/27/32
主轴锥度规格	The spindle taper specifications		Bt40
滚刀轴最高转速	Highest hob shaft speed	rpm	3000
工件轴最高转速	Work piece axis of the highest speed	rpm	310
X轴行程	X trip	mm	170
Y轴行程	Y trip	mm	100
Z轴行程	Z axis stroke	mm	300
工件角度	Deg	±45 °	±45 °
X轴最大快移速度	X axis maximum fast moving speed	mm	4000
Y轴最大快移速度	Y the most moving speed	mm	2000
Z轴最大快移速度	Z axis maximum fast moving speed	mm	5000
机床电器总功率	Total power machine motor	KVA	24
机床外观尺寸	Machine tool appearance size	mm	2720X1850X2820
机床重量	Machine weight	KG	约 7000

The standard configuration			
Numerical control system	Electrical cabinet	The hydraulic system	Wet-cut cooling system
Automatic broach device	Ø16/22 tool rod	Automatic lubrication system	Iron filings recovery unit
iron gasket for machine tool	The toolkit	Electrical cabinet air conditioning	Oil cooler
Hydraulic clamping cylinder assembly	Chip conveyor	Grating ruler	Direct drive motor

Optional configuration			
Dry-cut gas-cooled Micro-lubrication device	Oil mist separator	Tooling fixture	Automatic feeding and unloading device
Precision Scraping Double Tool Setting Device			

G320 The main technical parameters

最大加工直径	The largest machining diameter	mm	320
最大加工模数	The largest processing module	m	6
工作台面直径	Work surface diameter	mm	280
最大刀具直径	The largest diameter cutter	mm	150
最大刀具长度	The biggest tool length	mm	180
使用刀杆规格	The use of tool rod specifications	mm	32/40
滚刀窜刀长度	Hob shift distance	mm	140
滚刀轴最高转速	Highest hob shaft speed	rpm	1900
工件轴最高转速	Work piece axis of the highest speed	rpm	200
工件角度	Deg	±45 °	±45 °
X轴最大快移速度	X axis maximum fast moving speed	mm	3000
Y轴最大快移速度	Y axis maximum the most moving speed	mm	1500
Z轴最大快移速度	Z axis maximum fast moving speed	mm	4000
机床外观尺寸	Machine tool appearance size	mm	2900X1850X2550
机床重量	Machine weight	KG	约 10000

The standard configuration			
Numerical control system	Electrical cabinet	The hydraulic system	Wet-cut cooling system
Direct drive motor	Ø16/22 tool rod	Automatic lubrication system	Iron filings recovery unit
iron gasket for machine tool	The toolkit	Electrical cabinet air conditioning	Oil cooler
Hydraulic clamping cylinder assembly	Chip conveyor	Grating ruler	

Optional configuration			
Dry-cut gas-cooled Micro-lubrication device	Oil mist separator	Tooling fixture	Automatic feeding and unloading device
Precision Scraping Double Tool Setting Device	Automatic broach device		