



毅兴智能
Yixing Smart

YIXING SMART

数控机床 教育培训 工厂自动化
CNC Machine / Training / Automation



专注于解决客户的问题！

Focus on solving customer's problems!

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企业简介 Company Profile

毅兴机床有限公司成立于2005年，是机械行业会员企业，智能机械装备研发基地，国家高新技术企业。公司注册资金6300万，生产基地位于湖北，并在上海设有研发，采购及销售中心。

公司一直致力于成为国际一流的智能装备制造商与服务商，以高速，稳定的数控车铣复合机床和立式钻攻中心为核心产品。在技术领域不断创新，对品质不懈追求是毅兴机床持续发展的关键所在，多年来毅兴始终坚持小型化，复合，模块化的设计理念，为国内外航空，汽车，船舶，医疗，通讯，电子，模具等行业提供大量整套的高效加工解决方案，精度，稳定性处于行业领先地位，并取得多项国家专利。

公司始终坚持“以客户为中心”的理念，坚持“客户利益至上”的原则，作客户最专业，最贴心的设备车间。



YiXing Machine Tool Co., Ltd. was founded in 2005, is the member company in the machinery industry enterprise and a research and development base of intelligent machinery and equipment, the national high-tech enterprise. The company registered capital is RMB 63 million; its production base is located in Hubei province, and with the research and development, purchasing and sales center in Shanghai, China.

We've been committed to become a world-class intelligent equipment manufacturer and service provider, with high speed, stable CNC machine and vertical drilling and tapping center as our core products. Technology innovation and quality pursuit are the key to sustainable development of our company. Over the years, we've been adhered to the belief of miniaturization, compound and modularization, providing plenty of intact solutions of efficient process for domestic and foreign aviation, automotive, marine, medical, communications, electronics, molds and other industries. The precision and stability of our equipment is second to none, while obtained many national patents.



We always adhere to "customer-centric" concept, the principle of "customer first", and strive for customers the most professional and most intimate equipment workshop.



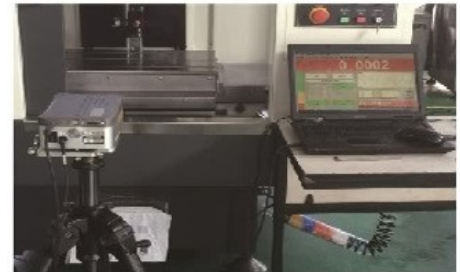
Constant temperature and constant humidity workshop

- ◆ Workshop temperature and humidity are controlled constantly, which are hardware environment to guarantee the machine precision and quality
- ◆ Assembly line to realize 200 sets CNC machines output per month



Unitization / modularization production system

- ◆ With various core technologies, such as spindle, turret, tailstock and so on, through the unitization and modularization system to guarantee the batch production of CNC lathes on a high standard



Advanced machining equipments and quality control

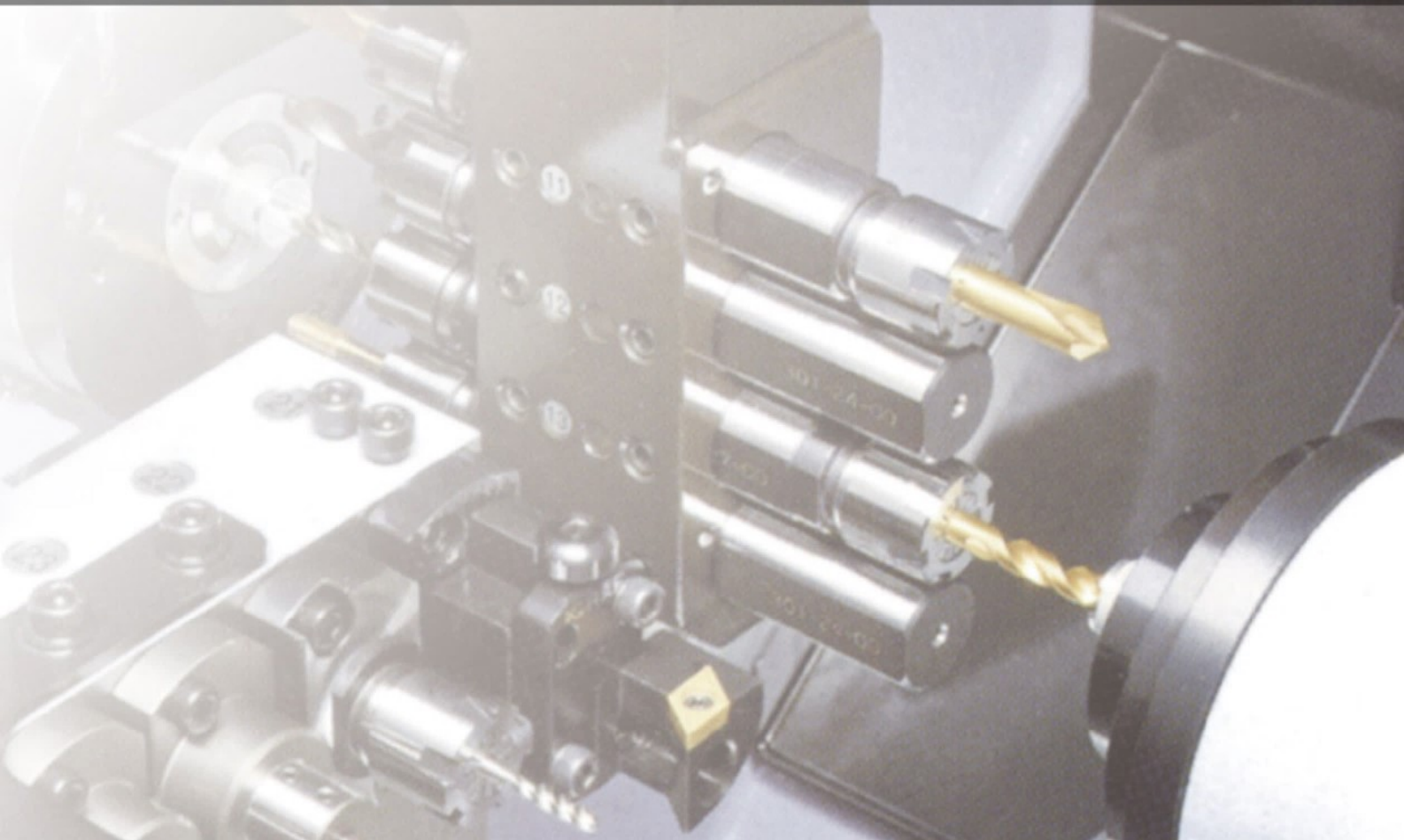
- ◆ All key components are finished on the high precision machining equipments
- ◆ Quality is guaranteed 100% (self-checking, spot checking, special checking and key components checking).





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HUBEI YIXING INTELLIGENT EQUIPMENT CO., LTD

毅兴智能

数控走心式车床
CNC PRECISION AUTOMATIC LATHE

BS203



机型特点: MACHINE FEATURE

- ◆ 背面刀台配备Y轴，实现主轴，背轴复合性同时加工
- ◆ 使用电导套（选配）强化高速，高精度加工
- ◆ 根据工件可选配导套，无导套装置
- ◆ 配备多种标准软件，更易操作
- ◆ 标配自动编程软件
- ◆ Machine complex parts using the main and back spindle simultaneously with the Y axis toolpost
- ◆ Optional direct-drive rotary guide bushing provide high speed and accurate machining .
- ◆ Guide-bush type or guide-bushingless type is selectable according to the workpieces.
- ◆ Pursuing operatability thanks to enrich standard softwares .
- ◆ Automatic programming system prepared as standard .

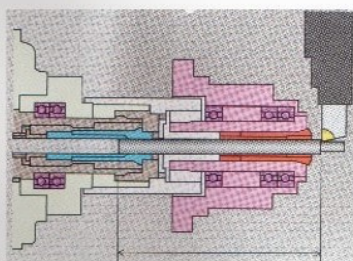
- ◆ 缩短加工时间
- ◆ 扩大加工范围
- ◆ 提高加工能力
- ◆ 更高的精度
- ◆ 高刚性构造
- ◆ Shorten processing cycle time
- ◆ Extend the scope of processing
- ◆ Improve the processing capacity
- ◆ Higher precision
- ◆ High rigidity

可选装置: Optional equipment:

- 1.根据工件可选配导套、无导套装置。
- 2.更换导套装置，实现一机多用，结合工件 长度进行最宜加工。
- 3.无导套加工无需研磨材料，冷拉棒材料，冷拉棒材也可高速、高精度加工。
1. Guide bushing type or guide-bushing less type selectable according to the workpiece .
2. Possible to switch between the guide bushing type and guide-bushing type so the most suitable operation for the workpiece length can be chosen.
3. The spindle without a guide bushing doesn' t require ground bar ,enabling high speed and high precision machining from cold drawn bars .

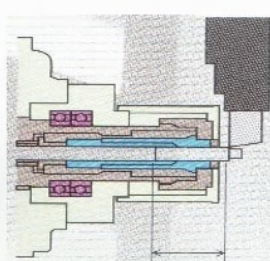
导套主轴构造

Guide bushing type spindle structure



无导套主轴构造

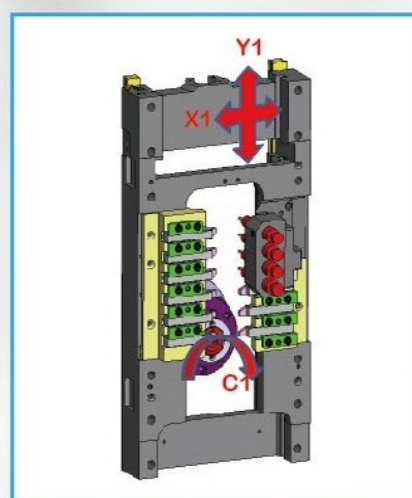
Guide bushing-less type structure



正面内部结构

The front inner structure

BS203



背面主轴	Back spindle	—
动力头装置	Rotary tool device	0P
无导套装置	Rotary guide bushing	0P
独立旋转导套	Guide-bushing-less kit	0P
C轴	C axis	0P
横向刚性攻丝	Cross rigid tapping	0P

刀具数量 Cutting tools number

外径刀具数	Number of outer diameter tools		9	
动力头	Rotary tool		0P	
正面	固定	Front	Rotating	4
	旋转		Fixed	—
背面	固定	Back	Rotating	—
	旋转		Fixed	—
总刀具数	Total tool storage capacity			13

BS205/206



机型特点: MACHINE FEATURE

- ◆ 背面刀台配备Y轴，实现主轴，背轴复合性同时加工
- ◆ 使用电导套（选配）强化高速，高精度加工
- ◆ 根据工件可选配导套，无导套装置
- ◆ 配备多种标准软件，更易操作
- ◆ 标配自动编程软件
- ◆ Machine complex parts using the main and back spindle simultaneously with the Y axis toolpost
- ◆ Optional direct-drive rotary guide bushing provide high speed and accurate machining .
- ◆ Guide-bush type or guide-bushingless type is selectable according to the workpieces.
- ◆ Pursuing operatability thanks to enrich standard softwares .
- ◆ Automatic programming system prepared as standard .

正面、背面同时加工

Simultaneous processing of main/back spindle

BS205/206

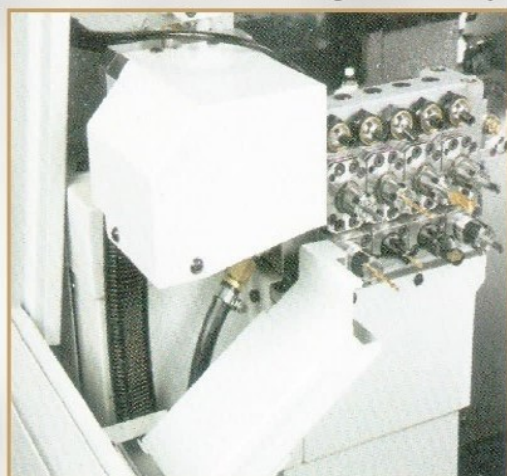
选配部件

Appearance of the figure

工件分离器

背轴排出的工件经由接料盒回收。

Artifacts separator ,
Back shaft from the workpiece
through material recycling box.



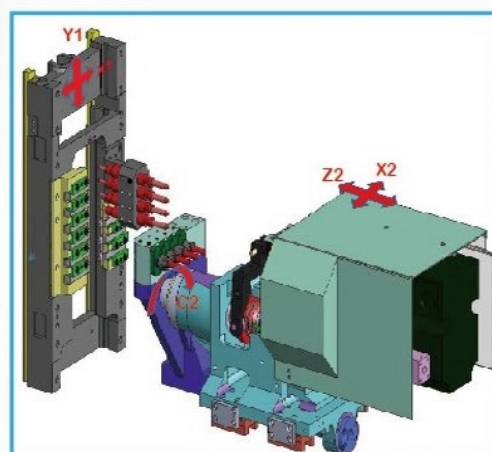
背面侧铣动刀头

On the back side milling
cutter head



旋风铣 适用于骨钉

Suitable for bone nail
whirlwind milling



背面主轴	Back spindle	0	
动力头装置	Rotary tool device	0	
无导套装置	Rotary guide bushing	0P	
独立旋转导套	Guide-bushing-less kit	0P	
C轴	C axis	0P	
横向刚性攻丝	Cross rigid tapping	0P	
刀具数量 Cutting tools number			
外径刀具数	Number of outer diameter tools	9	
动力头	Rotary tool	0P	
正面	固定	Rotating	4
	旋转	Fixed	—
背面	固定	Rotating	8
	旋转	Fixed	—
总刀具数	Total tool storage capacity	21	

技术参数:

Technical parameters:

区分	中文	英文	BS-203	BS-205	BS-206
加工能力 Machining ability	夹持棒材直径	Clamping rod diameter	Φ3~Φ20mm		
	最大加工长度	Max processing length	210(80/170:with rotary guide bush)/45mm(no guide bush)		
	主轴最大钻孔径	Max drilling aperture	Φ10mm		
	主轴最大螺纹孔径	Max tapping aperture	M10		
	背轴最大夹持径	Max back spindle chucking diameter	—	Φ20	Φ20
	背轴最大钻孔径	Max back spindle drilling diameter	—	Φ8mm	Φ8mm
	背轴最大螺纹孔径	Max back spindle tapping aperture	—	M8	M8
	横向最大钻孔径	Max horizontal spindle drilling diameter	—	Φ6 (op.)	Φ6 (op.)
	横向最大螺纹孔径	Max horizontal spindle tapping aperture	—	M5*0.8 (op.)	M5*0.8 (op.)
	背面最大钻孔径	Max back hole size	—	Φ6 (op.)	Φ6 (op.)
	背面最大螺纹孔径	Max thread aperture	—	M5 (op.)	M5 (op.)
机器能力 Machine's capacity	主轴转速	Spindle speed	200~10,000mn-1		
	背轴转速*	Back spindle speed	—	200~10,000mn-1	200~10,000mn-1
	总刀具数	The total number of the cutting tools	13	21	23
	刀具尺寸	Cutter size	12mm*12mm*85mm		
	快速移动速度	Fast moving speed	32m/min (x1:24m/min)		
	控制轴数	Number of control axes	3轴	5轴	6轴
电动机 Motors	主轴	Main spindle	2.2/3.7kw		
	背轴	Back spindle	—	0.75/1.5kw	0.75/1.5kw
	Z1轴	Y2 axis	1kw		
	X1/X2/Y1/Y2轴/Z2轴	X1/X2/Y1/Y2/Z1/Z2 axis	0.75kw		
	横向动力头	Cross power head	0.75kw (op.)		
	切削油泵	Cutting oil pump	0.44kw		
	润滑油泵	Lubricating oil pump	0.1lw		
电源/其他 Power /others	净重	The net weight	1700kg	2100kg	2150kg
	电源容量	The power capacity	8kva	11kva	11kva
	空压源	Air pressure	0.6~0.7mpa		
	空气量	Air volume	30nl/min		
	切削油箱容量	Cutting oil Tank volume	150L		
	长X宽X高	Machine dimension(L*W*H)	1 , 964*1,152*1,732	2,106*1,162*1,791	

NC装置 (标准规格)

NC device (standard)

项目	Project	BS 203	BS 205	BS 206
NC装置	NC unit	Mitsubishi M70A		
控制轴	controllable axes	3 Axis	5 Axis	6 Axis
轴名称	Axes	X,Z,Y	X1、 X2、 Y1、 Z1、 Z2	X1,X2,Y1,Y2,Z1,Z2
最小设定单位	Least input increment	0.001mm		
最小移动单位	Least travel increment	0.001mm		
最大指令值	Max. command value	±8 position		
插补功能	Interpolation function;	Straight or ARC		
快速移动功能	Fast moving function	32m/min (X1:24m/min)		
切削进给功能	Cutting feed function	1-10000mm/min		
OVR进给	OVR feeding	0-120%,10% segment		
延时功能	Time delay function	G04 0-99999.99		
ABS/INC指令	ABS/INC instructions	X,Y,Z absolute U,V,W increment		
刀具偏置量	Tool offset	±6 position		
刀具偏置组数	Tool offset group	40		
LCD/MDI	LCD/MDI	8.4" color TFT		
表示语言	Language	English/Chinese		
程序储存容量	Program storage capacity	Total 800 pieces main spindle &back spindle		
储存程序数	Number of stored procedures	M5 position		
辅助功能	Miscellaneous function	S5 position		
主轴功能	Main spindle function	T13 position		
刀具功能	Tool function			

BSH205

机型特点:

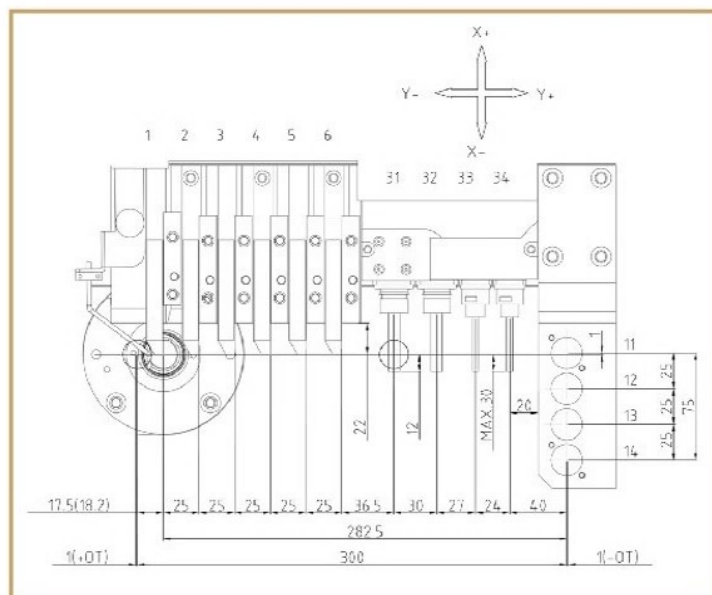
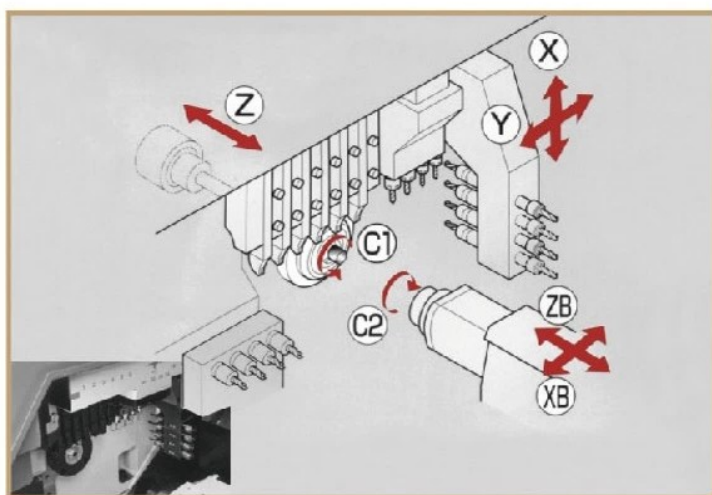
MACHINE FEATURE

- ◆ 机身排刀采用硬轨模式，加强切削刚性
 - ◆ 该机型适合铬钢，调质钢等难削零件的加工
 - ◆ 多轴复合加工能力强
 - ◆ 可进行超长时间的机械运转
-
- ◆ Adopts hard rail to enhance machine cutting rigidity
 - ◆ This type machine is suitable for stainless steel, chromium steel and other high strength parts processing
 - ◆ multi axis combined working to shorten the processing time
 - ◆ Can have long time continuous working



刀具图

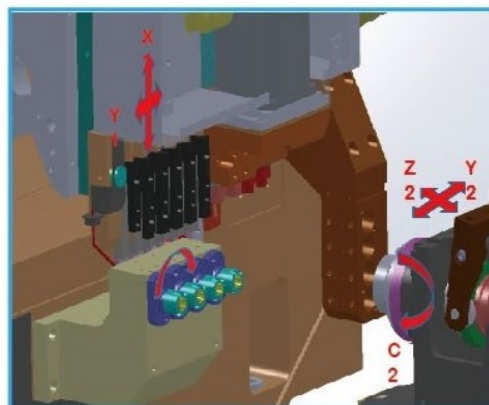
Tools drawing



正面、背面同时加工

Simultaneous processing of main/back spindle

BSH205



背面主轴	Back spindle	0
动力头装置	Rotary tool device	0
无导套装置	Rotary guide bushing	0P
独立旋转导套	Guide-bushing-less kit	0P
C轴	C axis	0
横向刚性攻丝	Cross rigid tapping	0P

刀具数量 Cutting tools number

外径刀具数		Number of outer diameter tools		10
动力头		Rotary tool		0P
正面	固定	Front	Rotating	4
	旋转		Fixed	0P
背面	固定	Back	Rotating	8
	旋转		Fixed	0P
总刀具数		Total tool storage capacity		22

技术参数:

Technical parameters:

区分	中文	英文	BSH205
加工能力 Machining ability	夹持棒材直径	Clamping rod diameter	3~20
	最大加工长度	Max processing length	200
	主轴最大钻孔径	Max drilling aperture	10
	主轴最大螺纹孔径	Max spindle thread aperture	M10
	背轴最大夹持径	Max back spindle chucking diameter	20
	背轴最大钻孔径	Max back spindle drilling aperture	Φ8
	背轴最大螺纹孔径	Max back spindle thread aperture	M6x1
	背面最大钻孔径	Back Max hole aperture	Φ 6 (OP)
	背面最大螺纹孔径	Back Max thread aperture	M5(OP)
机器能力 Machine's capacity	主轴转速	Spindle speed	10000
	背轴转速	Back spindle speed	8000-10000/min
	总刀具数	The total number of the cutting tools	21
	刀具尺寸	Tools size	12*12*85
	快速移动速递	Fast moving speed	35m/min(X1:X2:24m/min)
	控制轴数	Number of control axes	5
	硬轨	Guide rail	Y,X1,Z2 dovetail guide, Z1&X2 was linear guide
电动机 Motors	主轴	Main spindle	2.2/3.7
	背轴	Back spindle	0.75
	Z1轴	Z1 axis	1.0
	X1、X2、Y1、Z2轴	X1/X2/Y1/Z1/Z2 axis	0.75
	横向动力头	Cross power head	0.75
加工精度 Precision requirements	定位精度	Positioning accuracy	0.003
	重复定位精度	Repeatability	0.003
	主轴端跳	Spindle end jump	0.002
	主轴径跳	Spindle diameter jump	0.002
电源/其他 Power /others	净重	The net weight	2300
	电源容量	The power capacity	11
	空压源	Air pressure	0.6-0.7
	空气量	Air volume	30
	尺寸 (长X宽X高)	Machine dimension(L*W*H)	1890*1133*1750

附属品:

Standard accessories:

中文	英文	备注
电箱&操作&8.4inch彩色LCD显示器	Electric box & operation & 8.4 inch color LCD display	0
空压装置	Air compressor unit	0
外置型冷却油箱	External type cooling tank	0
切削油油量检测装置(下限)	Cutting oil oil detection device (lower limit)	0
自动集中给油装置(带油量检测)	The automatic oil feeder (with oil testing)	0
门锁装置	Door lock device	0
空气清洁(回转导套用)	Clean air (transduction back to paraphrase)	0
主轴夹头 (从消耗工具一览表中选择)	Spindle chuck (from the list of consumption tool select)	0P
C轴控制	C axis control	0
主轴无级分度/15度(主附轴)	Spindle stepless indexing / 15 degrees (main shaft attached)	0
附轴夹头 (从消耗工具一览表中选择)	Attached to the shaft holder (from consumption tool list, select the)	0P
附轴空气清洁装置	Attached to the shaft clean air devices	0
附轴气吹装置	Blowing device attached to the shaft	0
附轴锁定装置	Attached to the shaft locking devices	0
产品排出检测装置	The product discharge detection device	0
产品接料器	Products meet feeder	0
断刀检测装置	Cutting knife detection device	0
水平调整螺丝&调整垫片	Horizontal adjustment screws & gasket	0
照明灯	floodlight	0
漏电开关	The leakage switch	0
操作工具一套	A set of tools operation	0

BSH325/425

机型特点: MACHINE FEATURE

- ◆ 采用日本三菱M70A CNC控制系统，更高精度、速度，更强的加工功能。
- ◆ 双移动主轴结构，适用于轴类零件加工，一次加工完成，无需二次装夹。
- ◆ 采用液压控制主轴对材料的夹紧，夹持力稳定可靠，配合自动送料机最大可对直径42长棒料自动加工。
- ◆ 切削刀具最多可装30支，极大增加了加工能力。径向外圆内孔的切削，径向钻孔攻螺纹滚齿，多轴联动铣复杂曲面，轴向加工。可完成复杂的车铣复合加工。
- ◆ 采用高扭矩滚柱导轨(可选硬轨)，多结构件刚性特强，适用于高刚性硬切削加工，特别适用于汽车领域的轴类零件加工。
- ◆ 可实现旋转导套、固定导套、无导套的互换，在加工长径大零件的同时，还可以高精度加工短小的类袖套零件，扩大了加工范围。



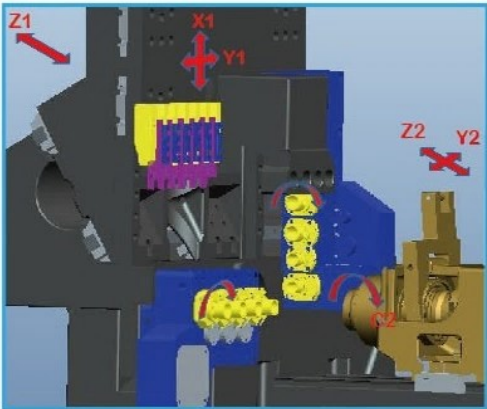
- ◆ Mitsubishi M70A CNC control system, higher precision speed, more powerful processing function.
- ◆ Double roller spindle structure, suitable for shaft parts processing, finish in one time and without secondary clamping.
- ◆ Adopts on the material of the clamping of the hydraulic control, stable and reliable clamping force, with automatic feeder maximum length to diameter 42 bar automatic processing.
- ◆ Cutting tool up to 30, greatly increase the processing ability. Radial cylindrical inner hole cutting, radial drilling tapping screw thread hob, multi-axis linkage milling complex curved surface, axial processing. Can complete complex car milling compound machining.
- ◆ High torque roller guide rail (optional hard rail), more structure strong rigidity, suitable for hard machining high rigidity, especially suitable for the car in the field of shaft parts processing.
- ◆ Which can realize rotation guide bush, fixed guide bush, swaps, without guide bush in the processing of large length to diameter parts, can also precision machining short sleeve parts, expanding the processing scope.



正面、背面同时加工

Simultaneous processing of main/back spindle

BS325/425



背面主轴	Back spindle		0	
动力头装置	Rotary tool device		0	
无导套装置	Rotary guide bushing		0P	
独立旋转导套	Guide-bushing-less kit		0P	
C轴	C axis		0P	
横向刚性攻丝	Cross rigid tapping		0	
刀具数量 Cutting tools number				
外径刀具数	Number of outer diameter tools		6	
动力头	Rotary tool		0P	
正面	固定 旋转	Front	Rotating	8
			Fixed	0P
背面	固定 旋转	Back	Rotating	4
			Fixed	0P
总刀具数	Total tool storage capacity		18	

技术参数:

Technical parameters:

区分	项目	Item	BS425	BS325
加工能力 Machining ability	最大夹持棒材直径	Clamping rod diameter	Φ42mm	Φ32mm
	Z轴最大加工行程	Z axis max processing travel	360(with rotary)	
	主轴最大钻孔径	Spindle max drilling diameter	Φ16mm	
	主轴最大螺纹孔径	Max tapping diameter	M14	
	背轴最大夹持径	Max back spindle chucking diameter	Φ42mm	Φ32mm
	背轴最大钻孔径	Max back spindle drilling diameter	Φ16mm	
	背轴最大螺纹孔径	Back spindle Max thread aperture	M10	
	背面最大钻孔径	Max back drilling hole size	Φ16mm	
机器能力 Machine's capacity	背面最大螺纹孔径	Max back thread aperture	M10(OP.)	
	主轴转速	Spindle speed	7,000min	
	背轴转速*	Back spindle speed	7,000min	
	总刀具数	The total number of the cutting tools	30	
	刀具尺寸	Tool size	对边16mm	
	快速移动速度	Fast moving speed	30m / min(X、BZ:24m / min)	
	控制轴数	Number of control shaft	5轴	
	导轨	Guide rail	THK linear guides	
电动机 Motors	主轴	Main spindle	7.5kW	5.5kW
	背轴	Back spindle	3.7kW	
	Z轴	Z axis	1.5kW	
	X、Y、BX轴、BZ轴	X,Y,BX,BZ axis	X、Y(2kW)BX、BZ(1.5kW)	
	横向动力头	Cross power head	1.5kW(OP.)	
	切削油泵	Cutting oil pump	0.93kW	
	润滑油泵	Lubricating oil pump	0.1kW	
精度要求 Precision requirements	定位精度	Positioning accuracy	0.005mm	
	重复定位精度	Repeatability	0.003mm	
	主轴端跳	Spindle end jump	0.002mm	
	主轴径跳	Spindle diameter jump	0.002mm	
电源/其他 Power/others	净重	The net weight	3500kg	
	电源容量	The power capacity	19kVA	18kVA
	空压源	Air pressure	0.6 ~ 0.7MPa	
	空气量	Air volume	30NL / min	
	切削油箱容量	Cutting oil Tank volume	200L	
	长X宽X高	Machine dimension(L*W*H)	2800x1700x1900	

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毅兴智能
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HUBEI YIXING INTELLIGENT EQUIPMENT CO., LTD

毅兴智能

自动棒材送料机
AUTOMATIC BAR FEEDER

GD320



机型特点: MACHINE FEATURE

- ◆ 耐磨消音胶管；
- ◆ 异形材送料功能；
- ◆ 油膜式，无噪音；
- ◆ 操作容易，作业能力强；
- ◆ 改良式夹料系统更稳定；
- ◆ 夹料尺寸无需调整；
- ◆ 可调式减振装置；
- ◆ 可装同步装置（走心式车床使用）；
- ◆ 采用三菱AC伺服马达送料；
- ◆ PLC控制，可多项参数设定功能，稳定佳，维修容易；
- ◆ 简易的I/O介面，可与任何的NC，CNC车床连接；
- ◆ 具有动作异常检出能力。
- ◆ Wear-resistant silencer rubber hose .
- ◆ Special-shaped material feed function .
- ◆ Designed oil film type, without noise.
- ◆ Easy operate and strong working ability .
- ◆ Improved clamping system is more stable.
- ◆ Clamping size without adjustment .
- ◆ Damping device can be adjustable.
- ◆ Synchronizer is available (CNC high precision lathe optional)
- ◆ Used Mitsubishi AC servo motor feeding material .
- ◆ PLC control,with multiple parameter setting functions, good stability, easy maintenance .
- ◆ Simple I/O interface, can Connect with any NC ,CNC lathe , with anomaly detection skills and show on the LCD.
- ◆ Feeding force can be adjust by PLC.
- ◆ Anomaly detection function

技术参数: Technical parameters:

项目	Item	单位Units	GD320	GD326
棒材直径	Bar diameter	mm	3-20mm	3-26mm
最大棒材长度	Bar specification	mm	2.5/3.2m	
棒材容量	Machine length	mm	3355/3949	
长X宽	Bar length	mm	2600/3200	
重量	Weight	kg	380/400Kgs	
机型	胶管尺寸	押棒尺寸	选用棒材范围	选用车床主轴内径
Type	Rubber tube size	Put bar size	Bar range (mm)	Lathe spindle bore
YX-320型	8.5	8	3-8mm	8
	11	10	3-10mm	11
	14	13	4-13mm	14
	16	15	4-15mm	16
	17	16	4-16mm	17
	19	18	4-18mm	19
YX-326型	21	20	5-20mm	21
	23	22	5-22mm	23
	25	24	5-24mm	25
	27	26	5-26mm	27

GD565

机型特点: MACHINE FEATURE

- ◆ 适用于“黑皮”棒材。
- ◆ 棒材直线度，无需严格要求。
- ◆ 残料采用参数设定，操作简单，大幅节省材料。
- ◆ 后退行程设定，随心所欲。
- ◆ 具有自我侦测功能，送料太短、或异常动作，均在液晶屏显示。
- ◆ 交换棒材直径，1分钟即可快速完成。
- ◆ 适用六角，四角等异形棒材。
- ◆ 换料循环时间极短。
- ◆ Bar feeder was suit for "Black "rod material .
- ◆ Rod straightness without demanding.
- ◆ RestMill was usage parameter setting ,it is easy operate and can save much material.
- ◆ Back travel can be set and go your way .
- ◆ Have self detection function ,feeding too short or unusual movements are show on LCD reality .
- ◆ Exchange the the rod material diameter in one minute .
- ◆ Suit for hexagonal and quadrilateral special shape rod material
- ◆ Cycle time is so short .



人机界面 HMI(human-machine interaction)

- 人机界面对话，智能显示故障异常。
HMI conversation , smart display fault



快速调整棒材尺寸 Fast adjust rod size

- 调整棒材直径，1分钟即可快速完成。
Adjust rod diameter in 1minute



PLC控制器 PLC controller

- 电控符合CE标准 Electronic control fit CE
- 与车床连线容易 Easy connect with lathe

技术参数:

Technical parameters:

项目	Item	GD-565	GD-565L
材料直径	Bar diameter	5-65mm	
直材长度	最小	Min:280mm	
	最大	Max:1200mm	Max:1500mm
主轴中心高度	Spindle center height	850-1250mm	
重量	Weight	300Kgs	
电源供应	Power supply	220v/380v/0.4A 3p 50/60Hz	
压力供应	Pressure supply	6Kgs/cm ²	
棒材容量	Volume	65mm=10pcs	



GD532

型

机型特点:

MACHINE FEATURE

- ◆ 设定参数极为方便，无需更改任何程式
- ◆ 采用移动式控制器，试车，调整很方便。
- ◆ 有动作异常检知机能
- ◆ 残料长度可简易设定。
- ◆ 油膜式，无噪音，并且具有工件太长太短检测功能
- ◆ 简易的I/O界面，可与任何的CNC，NC车床连线，具有动作异常检知技能，并且现实在LCD上。
- ◆ 工作模式可由PLC控制器上的钥匙更改设定残料后拉或者前推式

- ◆ It is extremely easy to set parameters and without changing any program .
- ◆ It was usage mobile controller, commissioning and adjustment is very convenient.
- ◆ Anomaly detection function
- ◆ The restmill lengths can be set easily .
- ◆ It is designed oil film type, no noise, and has a workpiece too long too short detection function.
- ◆ Simple I/O interface, can be Connect with any NC ,CNC lathe , with anomaly detection skills and show on the LCD.
- ◆ The working mode can be set by the PLC keys on the controller to change the scrap pull or push .

技术参数:

Technical parameters:

机型	Item	GD532	GD551
材料直径	Bar diameter	5-32 mm	5-51mm
直材长度	Bar length	3230mm	
材料容量	Volume	10*28pcs	
主轴中心高度	Spindle center height	900-1195mm	
重量	Weight	975Kgs	1100Kgs
电源供应	Power supply	220v/380v/10A 3p 50/60Hz	
压力供应	Pressure supply	6Kgs/cm ²	

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毅兴智能

数控排刀式车床
GANG TYPE CNC LATHE MACHINE

BY20

机型特点: MACHINE FEATURE

- ◆ 采用日本三菱M70 CNC控制系统，更高精度，更高速度。
 - ◆ 主轴气动夹持。
 - ◆ 可更换三爪卡盘，提高单件加工范围。
 - ◆ 可配送油膜送料机，实现无人值守。
 - ◆ 增配侧面动力头，端面动力头，实现侧面，端面钻孔，铣扁，攻牙等功能
- ◆ Equipped with Mitsubishi M70 CNC control system contribute to further improvement of precision, speed and efficiency.
 - ◆ Equipped with pneumatic-clamped spindle.
 - ◆ Can be replaced with a three jaw chuck to enlarge the processing scope.
 - ◆ CNC bar feeder is optional for realizing unattended operation.
 - ◆ Equipped with side and end face power heads to achieve functions of drilling, milling and tapping.



技术参数:

Technical parameters:

区分	项目	Item	BY20A	BY20B	BY20C	BY20B+C
加工能力 Machining capability	夹持棒材直径	Clamping diameter	Φ3~Φ20mm(配弹性筒夹)(with flex collet)			
			Φ10mm(配气动卡盘)(with Pneumatic chuck)			
	最大加工长度	Max machining length	100mm			
	最大回转直径	Max turning diameter	Φ260mm			
	定位精度	Positioning accuracy	0.003mm			
	重复定位精度	Repeatability	0.003mm			
	主轴端跳	Spindle jump end	0.002mm			
	主轴径跳	Spindle jump to diameter	0.002mm			
	主轴分度角度	Spindle degree angle	—	5°±'		
机器能力 Machine capacity	主轴转速	Spindle speed	6000min ⁻¹			
	X轴行程	X axis travel	300mm			
	Z轴行程	Z axis travel	180mm			
	动力头转速	Power head rotation speed	—	4,000min ⁻¹	4,000min ⁻¹	4,000min ⁻¹
	刀具座长度	Tool holder length	410mm	410mm	305mm	305mm
	刀具尺寸	Tools size	16mmX16mm/12mmX12mm			
	快速移动速度	Max moving speed	32mm/min			
	控制轴数	Controllable axes	2轴	3轴	2轴	4轴
电动机 Motors	主轴	Spindle	3.7kw			
	动力头	Power head	—	0.75kw	0.5kw/1kw	0.5kw/0.75kw/1kw
	X、Z轴	X,Y axis	1kw			
	切削油泵	Cutting oil pump	0.25kw			
	润滑油泵	Lubricating oil pump	0.1kw			
电源/其他 Power/others	净重	Net weight	约1400kg		约1450kg	
	电源容量	Power source capacity	6.5kVA	7kVA	9kVA	9kVA
	空压源	Air compressed	0.6~0.7MPa			
	空气量	Air discharge rate	14NL/min			
	切削油箱容量	Cooling tank capacity	130L			
	长x宽x高	Size(L*W*H)	1635X1250X1635			

BX32/42

机型特点: MACHINE FEATURE

- ◆ 采用日本三菱M70 CNC控制系统，更高精度，更高速度。
 - ◆ 主轴液压夹持、更稳定、提高效率。
 - ◆ 可更换三爪卡盘，提高单间加工范围。
 - ◆ 可配送油膜送料机，实现无人值守。
 - ◆ 增配侧面动力头，端面动力头，实现侧面，端面钻孔，铣扁，攻牙等功能
- ◆ Equipped with Mitsubishi M70 CNC control system contribute to furturer improvement of precision, speed and efficiency.
 - ◆ Equipped with hydraulic-clamped spindle.
 - ◆ Can be replaced with a three jaw chuck to enlarge the processing scope.
 - ◆ CNC bar feeder is optional for realizing unattended operation.
 - ◆ Equipped with side and end face power heads to achieve functions of drilling, milling and tapping.



技术参数: Technical parameters:

区分	项目	Project	BX32A	BX32B	BX32C	BX32B+C
加工能力 Machining capability	夹持棒材直径	Clamping diameter	Φ3~Φ32mm(配弹性筒夹) (with flex collet) Φ125mm(配气动卡盘) (with Pneumatic chuck)			
	最大加工长度	Max machining length	100mm			
	最大回转直径	Max turning diameter	Φ320mm			
	定位精度	Positioning accuracy	0.003mm			
	重复定位精度	Repeatability	0.003mm			
	主轴端跳	Spindle jump end	0.002mm			
	主轴径跳	Spindle jump to diameter	0.002mm			
	主轴分度角度	Spindle degree angle	无级			
机器能力 Machine capacity	主轴转速	Spindle speed	6000min ⁻¹			
	X轴行程	X axis travel	400mm			
	Z轴行程	Z axis travel	180mm			
	动力头转速	Power head rotation speed	N/A	4,000min ⁻¹	4,000min ⁻¹	4,000min ⁻¹
	刀具座长度	Tool holder length	520mm	520mm	435mm	435mm
	刀具尺寸	Tools size	12mmX12mm			
	快速移动速度	Max moving speed	32mm/min			
电动机 Motors	控制轴数	Controllable axes	2轴	3轴	4轴	4轴
	主轴	Spindle	5.5kw			
	动力头	Power head	N/A	0.7kw	0.75kw	0.7kw/0.75kw
	X、Z轴	X,Y axis	1.5kw			
	切削油泵	Cutting oil pump	0.25kw			
	润滑油泵	Lubricating oil pump	0.1kw			
电源/其他 Power/others	净重	Net weight	约1700kg	约1750kg	约1800kg	约1900kg
	电源容量	Power source capacity	12kVA	12kVA	13kVA	14kVA
	空压源	Air compressed	0.6~0.7MPa			
	空气量	Air discharge rate	14NL/min			
	切削油箱容量	Cooling tank capacity	200L			
	长x宽x高	Size(L*W*H)	2000mmX1500mmX1700mm			

功能示意图

Function diagram

TYPE A



TYPE B



TYPE C



TYPE B+C



NC装置 (标准规格)

NC device (standard)

项目	Item	TYPE A	TYPE B	TYPE C	TYPE B+C
NC装置	NC unit	Mitsubishi E60	Mitsubishi M70		
控制轴	Controllable axes	2轴	3轴	4轴	4轴
轴名称	Axes name	X、Z	X、Z、C	X、Z、Y、C	X、Z、Y、C
最小设定单位	Least input increment	0.001mm			
最小移动单位	Least command increment	0.001mm			
最大指令值	Max command value	±8位			
插补功能	interpolation method	Linear /Circular/Conical/Threaded			
快速移动功能	Rapid travel function	32m/min			
切削进给功能	Cutting feed function	1~10,000mm/min			
OVR进给	OVR feed function	0~120%、10%/段			
延时功能	Dwell	G04 0~99999.99			
快速调节倍率	Raid adjustment rate	F0、F25、F50、F100%			
ABS/INC指令	ABS/INC instruction	X、Y、Z : Absolute U、V、W : Increment			
刀具偏置量	Amount of tools offset	±6 Digits			
刀具偏置组数	Number of tools offset	64 Group			
LCD/MDI	LCD/MDI	8.4 "Color TFT LCD			
表示语言	Language	Chinese /English /Japanese			
程序储存容量	Program memory capacity	500KB			
输入程序数	No. of enter program	RS232C			
辅助功能	Auxiliay function	M5 Digits			
主轴功能	Spindle function	S5 Digits			
刀具功能	Tools function	T13 Digits			

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毅兴智能

加工中心系列
CNC MACHINING CENTER

ZG540

机型特点:

MACHINE FEATURE

- ◆ 适合加工手机、钟表部件类高光铝合金零件件，高速高精度主轴(12000/24000RPM)
- ◆ 稳定的机械内部构造，卓越的快速移动及加减速性能。
- ◆ 超高速、高性能、高精度的钻孔、攻牙功能，攻牙转速可高达5000RPM,X/Y/Z三轴快速移动速度达到60m/min。
- ◆ Suitable for cellphone parts, clock parts and other high precision parts processing. Equipped with high speed and high precision spindle(12000/24000RMP)
- ◆ Highly rigid structure, fast speed, high acceleration and high response.
- ◆ High accuracy, high speed and high efficiency in drilling and tapping. Tapping speed can reach 5000RMP. X,Y,Z axis travel speed can reach 60M/Min.



技术参数:

Technical parameters:

区分	项目	Item	单位Units	ZG540
工作台 Worktable	工作台规格	Worktable specification	mm	400x650
	工作台最大载重	Max worktable load	kg	250kg均匀载荷
	工作台面至主轴端	Worktable to spindle	mm	150-430
主轴 Spindle	主轴转速	Spindle speed	r/min	12000/24000
	主轴功率	Spindle power	kw	3.7/5.5kW
	主轴锥度	Spindle taper	ISO	#30(BT30)
移送 Feed rate	最大移动距(X/Y/Z)	Max travel distance(X/Y/Z)	mm	500/400/280
	快速移动速度(X/Y/Z)	Max movement speed(X/Y/Z)	m/min	60/60/50
	切削进给速度(X/Y/Z)	Cutting feed speed(X/Y/Z)	m/min	20/20/20
精度 Accuracy	定位精度	Positioning accuracy	mm	0.005/300
	重复定位精度	Repeatability	mm	±0.003
ATC	刀具数	Tools	ea	16
	最大刀具长度	Max tools length	mm	170
	最大刀具直径	Max tools diameter	mm	Φ80
	最大刀具重量	Max tool weight	kg	3
	换刀时间(T-T)	Tool change time	sec	1.8
动力源 Power source	电源容量	Power source capacity	kVA	13
	气压	Air pressure	kgf/cm2(MPa)	6(0.6)
机床尺寸 Machine size	机床外型	Machine size (L*W)	mm	L1600*W2100
	机床高度	Machine height	mm	2300
	机床重量	Machine weight	kg	3000
切削液 Cutting fluid	水箱容量	Water tank capacity	L	150
	标准冷却	Cooling standard	L/min	40
控制系统 Control system	型号	Model	-	三菱(MITSUBISHI)M70VA
	显示画面	Display	-	8.4"Color TFT LCD
	程序储存容量	Program storage capacity	KB	500

※. 该规格因产品升级而设计更改，恕不预先通知。 ※. The specification due to product upgrading design change, will not be advance notice.

ZG850

机型特点:

MACHINE FEATURE

- ◆ 适合加工手机、钟表部件类高光铝合金零件件，高速高精度主轴(12000/24000RPM)
- ◆ 稳定的机械内部构造，卓越的快速移动及加减速性能。
- ◆ 超高速、高性能、高精度的钻孔、攻牙功能，攻牙转速可高达5000RPM,X/Y/Z三轴快速移动速度达到60m/min。
- ◆ Suitable for cellphone parts, clock parts and other high precision parts processing. Equipped with high speed and high precision spindle(12000/24000RMP)
- ◆ Highly rigid structure, fast speed, high acceleration and high response.
- ◆ High accuracy, high speed and high efficiency in drilling and tapping. Tapping speed can reach 5000RMP. X,Y,Z axis travel speed can reach 60M/Min.



技术参数:

Technical parameters:

区分	项目	Item	单位Units	ZG850
工作台 Worktable	工作台规格	Worktable specification	mm	500x900
	工作台最大载重	Max worktable load	kg	350kg均匀载荷
	工作台面至主轴端	Worktable to spindle	mm	150-650
主轴 Spindle	主轴转速	Spindle speed	r/min	12000/24000
	主轴功率	Spindle power	kw	5.5/7.5kW
	主轴锥度	Spindle taper	ISO	#30(BT30)
移送 Feed rate	最大移动距(X/Y/Z)	Max travel distance(X/Y/Z)	mm	800/500/500
	快速移动速度(X/Y/Z)	Max movement speed(X/Y/Z)	m/min	50/50/50
	切削进给速度(X/Y/Z)	Cutting feed speed(X/Y/Z)	m/min	20/20/20
精度 Accuracy	定位精度	Positioning accuracy	mm	0.005/300
	重复定位精度	Repeatability	mm	±0.003
ATC	刀具数	Tools	ea	24+1(圆盘式)
	最大刀具长度	Max tools length	mm	170
	最大刀具直径	Max tools diameter	mm	Φ80
	最大刀具重量	Max tool weight	kg	3
	换刀时间(T-T)	Tool change time	sec	1.8
动力源 Power source	电源容量	Power source capacity	kVA	16
	气压	Air pressure	kgf/cm ² (MPa)	6(0.6)
机床尺寸 Machine size	机床外型	Machine size (L*W)	mm	L2200*W2700
	机床高度	Machine height	mm	3000
	机床重量	Machine weight	kg	4000
切削液 Cutting fluid	水箱容量	Water tank capacity	L	220
	标准冷却	Cooling standard	L/min	60
控制系统 Control system	型号	Model	-	三菱(MITSUBISHI) M70VA
	显示画面	Display	-	8.4"Color TFT LCD
	程序储存容量	Program storage capacity	KB	500

※. 该规格因产品升级而设计更改，恕不预先通知。 ※. The specification due to product upgrading design change, will not be advance notice.

VMC1160

机型特点:

MACHINE FEATURE

- ◆ 关键零部件采用高品质的HT300铸件，经过退火处理及时效处理消除应力。
- ◆ 一体成型超宽底座，提供稳定的荷重支持，加宽结合面跨距的人字型立柱，提升机床刚性。
- ◆ 采用台制C3级滚珠丝杆及预拉伸，保证轴向运行精准度。
- ◆ 合理的结构强度及加强肋的搭配，以高刚性，大台面满足汽车、印刷、纺织机械行业也是模具、板盘、齿轮、箱体及复杂零件的理想设备。
- ◆ The machine key parts are made of high-quality HT300 castings, after annealing and aging treatment to eliminate stress.
- ◆ The one-piece wide base can provide a stable load support, and the widened joint surface span of herringbone column improves the rigidity of machine.
- ◆ The use of Taiwan C3 class ball screw and pretensioning can ensure the accuracy of axial running.
- ◆ Comes with reasonable structural strength and reinforcing rib, high rigidity and large working table, this machine is the ideal equipment to meet the demands of automotive, printing, textile machinery industry, such as mold, disc plate, gear box and complex parts processing.



技术参数:

Technical parameters:

区分	项目	Item	单位Units	VMC1160
工作台 Worktable	工作台规格	Worktable specification	mm	1200x630
	工作台最大载重	Max worktable load	kg	800kg(匀载)
	工作台面至主轴端	Worktable to spindle	mm	120-720
主轴 Spindle	主轴转速	Spindle speed	r/min	12000/10000/800
	主轴功率	Spindle power	kw	11kW
	主轴锥度	Spindle taper	ISO	BT40
移送 Feed rate	最大移动距(X/Y/Z)	Max travel distance(X/Y/Z)	mm	1100/600/600
	快速移动速度(X/Y/Z)	Max movement speed(X/Y/Z)	m/min	50/50/50
	切削进给速度(X/Y/Z)	Cutting feed speed(X/Y/Z)	m/min	36/36/24
精度 Accuracy	定位精度	Positioning accuracy	mm	1-12
	重复定位精度	Repeatability	mm	±0.004/300
ATC	刀具数	Tools	ea	24+1(圆盘式)
	最大刀具长度	Max tools length	mm	300
	最大刀具直径	Max tools diameter	mm	Φ150
	最大刀具重量	Max tool weight	kg	8
	换刀时间(T-T)	Tool change time	sec	1.8
动力源 Power source	电源容量	Power source capacity	kVA	20
	气压	Air pressure	kgf/cm ² (MPa)	6(0.6)
机床尺寸 Machine size	机床外型	Machine size (L*W)	mm	L3000*W2700
	机床高度	Machine height	mm	3000
	机床重量	Machine weight	kg	6000
切削液 Cutting fluid	水箱容量	Water tank capacity	L	320
	标准冷却	Cooling standard	L/min	80
控制系统 Control system	型号	Model	-	三菱(MITSUBISHI) M70VB
	显示画面	Display	-	8.4"Color TFT LCD
	程序储存容量	Program storage capacity	KB	500

※. 该规格因产品升级而设计更改，恕不预先通知。 ※. The specification due to product upgrading design change, will not be advance notice.

VMC850

机型特点: MACHINE FEATURE

- ◆ 关键零部件采用高品质的HT300铸件，经过退火处理及时效处理消除应力。
 - ◆ 一体成型超宽底座，提供稳定的荷重支持，加宽结合面跨距的人字型立柱，提升机床刚性。
 - ◆ 采用台制C3级滚珠丝杆及预拉伸，保证轴向运行精准度。
 - ◆ 合理的结构强度及加强肋的搭配，以高刚性，大台面满足汽车、印刷、纺织机械行业也是模具、板盘、齿轮、箱体及复杂零件的理想设备。
- ◆ The machine key parts are made of high-quality HT300 castings, after annealing and aging treatment to eliminate stress.
 - ◆ The one-piece wide base can provide a stable load support, and the widened joint surface span of herringbone column improves the rigidity of machine.
 - ◆ Taiwan C3 class ball screw and pretensioning can ensure the accuracy of axial running.
 - ◆ Comes with reasonable structural strength and reinforcing rib, high rigidity and large working table, this machine is the ideal equipment to meet the demands of automotive, printing, textile machinery industry, such as mold, disc plate, gear box and complex parts processing.

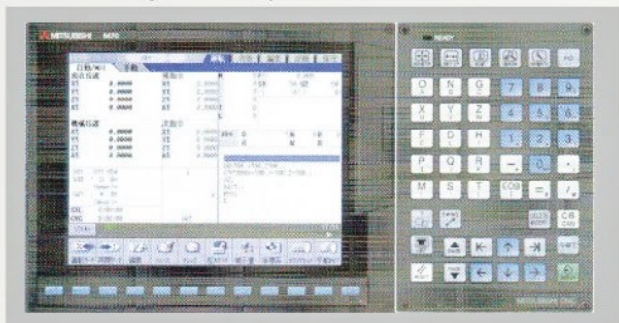


技术参数: Technical parameters:

区分	项目	Item	单位Units	VMC850
工作台 Worktable	工作台规格	Worktable specification	mm	500x900
	工作台最大载重	Max worktable load	kg	500kg均匀载荷
	工作台面至主轴端	Worktable to spindle	mm	150-650
主轴 Spindle	主轴转速	Spindle speed	r/min	12000
	主轴功率	Spindle power	kw	7.5kW
	主轴锥度	Spindle taper	ISO	BT40
移送 Feed rate	最大移动距(X/Y/Z)	Max travel distance(X/Y/Z)	mm	800/500/500
	快速移动速度(X/Y/Z)	Max movement speed(X/Y/Z)	m/min	48/48/36
	切削进给速度(X/Y/Z)	Cutting feed speed(X/Y/Z)	m/min	1-12m/min
精度 Accuracy	定位精度	Positioning accuracy	mm	±0.004/300
	重复定位精度	Repeatability	mm	±0.003
ATC	刀具数	Tools	ea	24(圆盘式)
	最大刀具长度	Max tools length	mm	300
	最大刀具直径	Max tools diameter	mm	Φ150
	最大刀具重量	Max tool weight	kg	8
	换刀时间(T-T)	Tool change time	sec	1.8
动力源 Power source	电源容量	Power source capacity	kVA	18
	气压	Air pressure	kgf/cm²(MPa)	6(0.6)
机床尺寸 Machine size	机床外型	Machine size (L*W)	mm	L2200*W2700
	机床高度	Machine height	mm	3000
	机床重量	Machine weight	kg	4500
切削液 Cutting fluid	水箱容量	Water tank capacity	L	220
	标准冷却	Cooling standard	L/min	60
控制系统 Control system	型号	Model	-	三菱(MITSUBISHI) M70VA
	显示画面	Display	-	8.4"Coior TFT LCD
	程序储存容量	Program storage capacity	KB	500

※. 该规格因产品升级而设计更改，恕不预先通知。 ※. The specification due to product upgrading design change, will not be advance notice.

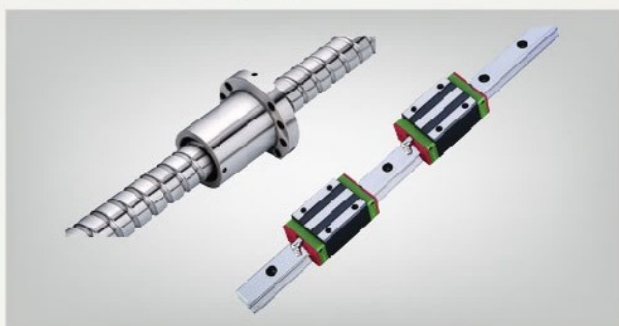
- ◆ 控制系统采用三菱M70系统(可选配西门子)
- ◆ Control system adopt MITSUBISHI M70 system (siemens system is optional)



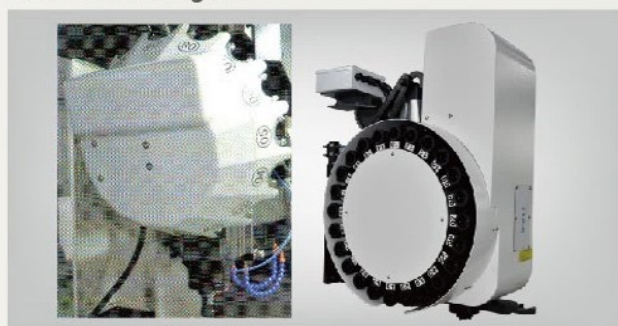
- ◆ 高速主轴(自主研发新款主轴)
- ◆ Pieces of high-speed spindle (independent research and development new spindle)



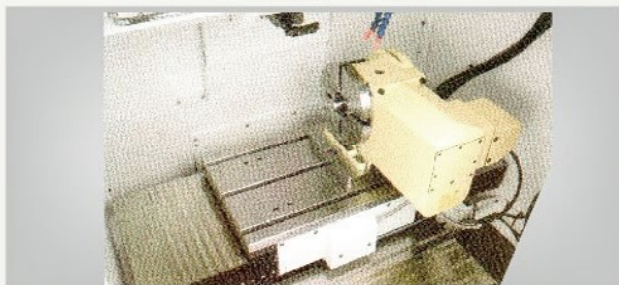
- ◆ 台湾丝杠导轨
- ◆ Taiwan ball screw guide



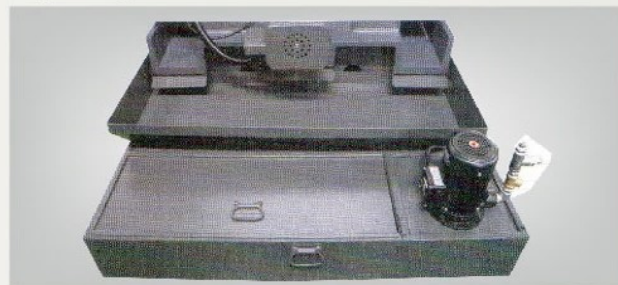
- ◆ 台湾刀库
- ◆ Taiwan tool magazine



- ◆ 回转工作台(选配)
- ◆ Rotating table(optional)



- ◆ 机器正面可装拆刀库上的刀具
- ◆ Change magazine tools from machine front side



毅兴钻攻中心优势:

Advantages of Yixing CNC machining center:

- 1、直联式电机，主轴高速化12000rpm/24000rpm，长时间高速运转下维持稳定的精度，0-12.000的加减时间仅0.6秒。
- 2、高速线性导轨，三轴快速移达到50m/min；540机型快移速达到60m/min。
- 3、采用新型高速静音滚珠丝杠。
- 4、850采用圆盘刀库，换刀时间为1秒；540鼻挂式快速刀具交换装置，T-T为1.8秒，减少了非切削时间，提高了加工率。
- 5、倾斜基座设计(完美内排头屑)，保证切削碎屑和削液顺利排出。
- 6、通过英国雷尼绍激光干涉仪，球杆仪的校正，使机床的定位精度。重复定位精度达到最佳稳定性。
- 7、该机型特别适合铝、铜合金、树脂等材料钻孔攻牙以及轻量切削、铣机等工序。

1. Equipped with direct drive spindle, Spindle rate 12000rpm/24000rpm, can keep stable precision under long time high speed running. Acceleration and deceleration time from 0 to 12000rpm only 0.6 second.
2. High speed linear guide. 3 axis rapid speed can reach 50m/min. Model 540 speed can reach 60m/min.
3. Adopted new type high speed mure ball screw, to ensure the perfect processing.
4. Model 850 equipped with drum-type tool magazine, tool changing time is 1 second. Model 540 equipped with front-mounted tool magazine, tool changing time is 1.8 seconds. These ATC devices can greatly reduce the non-cutting time and improve working efficiency.
5. The sloped pedestal design is more easier for machine to eliminate cutting debris and cutting fluid.
6. Via Renishaw Laser Interferometer and Laser Ball Bar creaction, all machines posioning and repeated positioning precision can reach best performance and stability.
7. This machine is especially suitable for cutting, drilling and tapping process of Aluminum, Copper alloy and resin materials etc.

【ZG-850 ZG-540】

主轴电机直连构造

主轴电机设计直连方式，
在长时间高速运转下维持稳定的精度

Direct drive spindle

Keep stable precision during long
time high speed running

◆主轴最高速度

12.000rpm

24.000rpm

Max spindle speed

刚性攻丝功能

调整器为最佳状态的刚性攻丝能在
加工时提高加工精度及刀具寿命
逆转时2倍速度后退，减少加工时间
提高生产力。

Rigidity tapping function

Improved processing precision and
tools life .shorten processing time

◆攻丝最高速度

6.000rpm

Spindle Max speed for tapping



外观图

Structure pictures

标准附属品

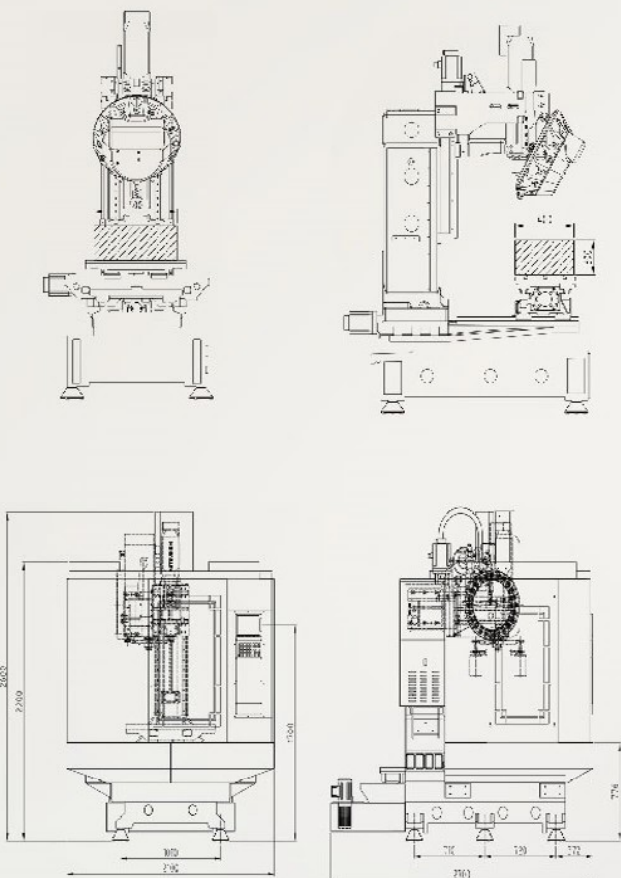
机型	Project
防油机罩	Oil hood
冷却液装置（切削箱及切削液箱）	Cooling fluid device (cutting box and cutting fluid box)
刀具洗净用喷气(ATC时主轴内)	Wash cutting tool with jet (ATC when spindle)
自动润滑油装置	Automatic lubrication device
空压装置	Air compressor unit
机内照明(LED)	Internal lighting (LED)

特别附属品

机型	Project
3段信号塔	3 period of towers
机台冲削	The machine blunt cutting
CNC回转工作台(1轴)	CNC rotary table (1 shaft)
工作台垫高规格	Table mat high specifications

特别附属品

机型	Project
程序储存容量2Mbyte	2 mbyte program storage capacity
AI轮廓控制功能I	II AI profile control function
预插补柔性加减速功能	Interpolation flexible deceleration function



MITSUBISHI M70-B			
控制轴 Controllable axes	同时控制轴数	Simultaneously controlled axes	3 axes (X/Y/Z)
	最小指令增量	Least command increment	0.001mm
	最小输入增量	Least input increment	0.001mm
	英制/公制/转换	Imperial/metric/conversion	G20,G21
插补 Interpolation	定位	positioning	G00
	直线插补	Linear interpolation	G01
	圆弧插补	The circular arc interpolation	G02,G03
进给功能 Feed function	停顿	pause	G04
	手动进给倍率	Manual feed rate	0.001/0.01/0.1mm
	快速移动进给倍率	Rapid traverse rate	F0 , 25 , 50 , 100%
	切削进给倍率	Cutting feed rate	0-200%
	JOG倍率	JOG rate	0-6000mm/min
	自动加速度	Automatic acceleration	Rapid travel:linear
程序/编辑 Program/edit	程序储存长度	Program memory capacity	500kb
	程序储存数量	Program storage quantity	400EA
	编辑程序	editor	Del,Ins,Alt,Protect
	程序查找	Program index	Program Name
	程序系列号查找	Application serial number lookup	N4 digits
	程序数据输入	Program data input	G10
	背景编程	Background programming	-
	手动数据输入/刚性攻丝	Manual data input/rigid tapping	-
画面显示 Display	显示画面	Screen	8.4 "Color TFT LCD
	语言	language	Chinese English Japanese
接口 Connector	数据转输接口	Data transfer interface	RS-232C
	连接口	connectors	CF CARD
ATM功能 ATM	主轴转速功能	Spindle speed function	S5 digit
	刀具	Tool function	T2 digit
	M,B功能	Function of M, B	M2,B2 digit
刀具功能 Tools function	刀具长度补偿	Tool length compensation	-
	刀具直径补偿C	Compensation C cutter diameter	-
	刀具补偿系数	Cutter compensation coefficient	400 group
坐标系 Coordinate	自动原点回归	Automatic origin	G28
	原点回位确认	The origin return confirmation	G27
	自动坐标系	Automatic coordinate system	-
程序辅助功能 Miscellaneous	辅助功能	Miscellaneous Function	M
	程序重启	Program reset	-

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Parameters are subject to change due to continued innovation research .Final parameters to be solely determined by YiXing Smart



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