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天樱数控
TIANYING

Provide Customers With High-quality Intelligent Equipment And Overall Solutions

为客户提供优质的智能装备及整体解决方案

About Tianying

关于天樱

成立于2011年
Founded in 2011

东莞市天樱数控机械设备有限公司，成立于2011年，是一家专业致力于设计生产数控(CNC)机械的高新技术企业，公司集研发、生产、销售、服务于一体，拥有十多年行业经验，能够为客户提供优质的智能装备及整体解决方案。

公司总部位于东莞市寮步镇，目前在国内已拥有东莞寮步、吉安自建工业园两个现代化生产基地，厂房面积达25000余平，员工120余人。工厂拥有先进的技术和专业的设计团队、高精度龙门加工设备以及高精度检测设备，可根据市场需求进行深层次开发。

“质量是生命，诚信是基础”是天樱永恒的经营理念；同时公司不断拓展新技术，发掘更深层次的行业应用潜力。天樱以精良的设备和雄厚的技术力量，充分保证产品的结构和工艺，使产品的外观及技术性能达到同行业先进水平。

天樱以精益求精的态度提升产品质量，以诚信务实的信念完善客户服务，多年来天樱自主研发的数控机械设备远销到国内外；天樱系列产品广泛用于眼镜业、钟表业、首饰工艺品、机械零件加工及制造业等多种行业，多年来我们一直秉承“客户利益至上、技术创新、诚实服务”的经营原则。选择天樱产品不仅性能稳定、质量可靠、价格适中，且售后服务及时。

员工120余人
More than 120 people

Dongguan Tianying CNC Machinery Equipment Co., Ltd., founded in 2011, is a high-tech enterprise specializing in the design and production of CNC machinery. The company integrates R&D, production, sales and service. It has more than ten years of industry experience and can provide customers with high-quality intelligent equipment and overall solutions.

The company is headquartered in Liaobu Town, Dongguan City. At present, it has two modern production bases in Liaobu, Dongguan and Ji'an Self-built Industrial Park in China, with a plant area of more than 25,000 square meters and more than 120 employees. The factory has advanced technology and a professional design team, high-precision gantry processing equipment and high-precision testing equipment, which can be deeply developed according to market demand.

"Quality is life, integrity is the foundation" is Tianying's eternal business philosophy; at the same time, the company continues to expand new technologies and explore deeper industry application potential. With excellent equipment and strong technical force, Tianying fully guarantees the structure and process of the product, so that the appearance and technical performance of the product reach the advanced level of the same industry.

Tianying improves product quality with a spirit of excellence and improves customer service with a belief in honesty and pragmatism. Over the years, Tianying's independently developed CNC machinery and equipment have been sold to domestic and foreign markets; Tianying's series of products are widely used in the eyewear industry, watch industry, jewelry crafts, mechanical parts processing and manufacturing industries, etc. For many years, we have been adhering to the business principle of "customer interests first, technological innovation, and honest service". Choosing Tianying products not only has stable performance, reliable quality, and moderate price, but also timely after-sales service.

厂房面积25000m²
Factory area 25000m²

Professional Team

专业的团队

强大的研发团队可依据客户的特殊要求进行设计，定制完全符合您需求的高品质自动化设备。
以创新作为企业的核心竞争力，为客户提供更优质的产品和服务。

A strong R&D team can design and customize high-quality automation equipment that fully meets your needs according to the special requirements of customers.

Taking innovation as the core competitiveness of the company, we provide customers with better products and services.

Standardized Manufacturing Workshop

规范的生产制造车间

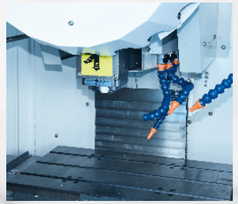
人才是企业发展最重要的资源，优秀的企业文化，良好的工作环境，完善的创新激励体制，吸引了来自全国各地的优秀人才。求实创新，追求卓越已深入每个人的心中。

Talent is the most important resource for the development of an enterprise. Excellent corporate culture, good working environment and perfect innovation incentive system have attracted outstanding talents from all over the country. Seeking truth, innovation and pursuing excellence have been deeply rooted in everyone's heart.

T Series

高速钻攻机系列

HIGH SPEED DRILLING MACHINE SERIES



机械特点

超大型立柱稳固，不变形能高速位移48m/分。
超大跨距底座，采用点支撑结构扎实，高速位移，不震动、不变形。
三轴高速位移达48m/分，速度快，节省加工时间。
低惯性的主轴设计，主轴直结驱动，高稳定性，夹臂刀库换刀快速准确，除零件加工外，非常适合钻直径较小的孔。
用高功能AC主轴伺服马达与人性化的对话式介面，便与操作。

Mechanical features

The super-large column is stable, non-deformable and can move at a high speed of 48m/min.
The super-large span base adopts a solid point support structure, high-speed displacement, no vibration, and no deformation.
The three-axis high-speed displacement reaches 48m/min, which is fast and saves processing time.
The low-inertia spindle design, the spindle direct drive, high stability, and the clamping arm tool magazine change tools quickly and accurately. In addition to part processing, it is very suitable for drilling holes with smaller diameters.
The high-function AC spindle servo motor and the humanized conversational interface are used for easy operation.

设备参数 Equipment parameters

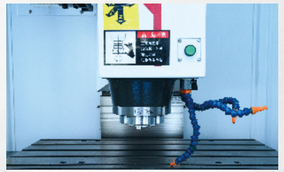
名称 Name		单位 unit	T-6	T-650	T-7	T-850	备注 Remark
加工范围 Processing range	工作台行程(X轴) Worktable travel (X axis)	mm	640	640	700	800	
	滑鞍行程(Y 轴) Saddle travel (Y axis)	mm	420	500	400	500	
	主轴箱行程(Z 轴) Spindle box travel (Z axis)	mm	350	350	350	350	
	主轴鼻端到工作台面距离 Distance from spindle nose to work table	mm	130-480	150-500	145-495	110-510	
	主轴中心至立柱导轨面距离 Distance from spindle center to column guide surface	mm	475	550	445	550	
工作台 Workbench	工作台尺寸 Workbench size	mm	700*420	700*470	800*420	800*470	
	工作台承重 Workbench load-bearing	kg	300	300	300	400	
	T 型槽(槽数-槽宽*间距) T-slot (number of slots - slot width * spacing)	mm	3-14*105	5-14*65	3-14*125	5-14*80	
主轴 Spindle	推荐电机功率 Recommended motor power	kw	5.5/7.5	5.5/7.5	5.7/7.5	5.5/7.5	
	电机扭矩 Motor torque	N.m	7	7	7	7	
	主轴转速 Spindle speed	rpm	20000	20000	20000	20000	
	主轴直径 Spindle diameter	Mm	Φ100	Φ100	Φ	Φ	
	主轴锥度 Spindle taper	/	Bt30	Bt30	Bt30	Bt30	
速度 Speed	切削进给速度范围 Cutting feed speed range	mm/min	5-20000	1-15000	5-20000	1-15000	
	X/Y/Z 轴快移速度 X/Y/Z axis fast moving speed	m/min	48/48/48	48/48/48	48/48/48	48/48/48	
刀库 Tool magazine	刀库容量 Tool magazine capacity	把 Bundle	21	21	21	21	伺服刀库 Servo tool magazine
尺寸 size	机床外观尺寸约(长*宽*高) Approximate machine tool dimensions (length*width*height)	mm	1860*2300*2300	1980*2320*2400	1980*2320*2400	2200*2300*2450	

注：机床相关参数及外型尺寸因配置有所变化，不做另行通知。(配件可以选配)
Note: The machine tool related parameters and dimensions are subject to change due to configuration without further notice. (Accessories are optional)

V Series

高精度加工中心系列

HIGH PRECISION MACHINING CENTER SERIES



机械特点

最佳床身结构设计,能承受高G产生的惯量,坚如磐石、稳如泰山。
短鼻头主轴刚性特佳,提升效率并降低刀具磨损。
三轴快速位移,大幅缩短加工时间。
高稳定换刀系统,减少非加工时间。
采用后排屑结构,清理废屑方便,不易漏油。
三轴均采用高刚性线轨支撑、速度快、精度高。

Mechanical features

The best bed structure design can withstand the inertia generated by high G, and is as solid as a rock and as stable as Mount Tai.
The short nose spindle has excellent rigidity, which improves efficiency and reduces tool wear.
The three-axis rapid displacement greatly shortens the processing time.
The high-stability tool change system reduces non-processing time.
The rear chip removal structure is adopted, which is convenient for cleaning waste chips and not easy to leak oil.
All three axes are supported by high-rigidity linear rails, with fast speed and high precision.

设备参数 Equipment parameters

名称 Name		单位 unit	V-8	V-866	V-1165	备注 Remark
加工范围 Processing range	工作台行程(X轴) Worktable travel (X axis)	mm	800	800	1100	
	滑鞍行程(Y 轴) Saddle travel (Y axis)	mm	500	600	650	
	主轴箱行程(Z 轴) Spindle box travel (Z axis)	mm	500	600	650	
	主轴鼻端到工作台面距离 Distance from spindle nose to work table	mm	90-630	110-680	100-730	
	主轴中心至立柱导轨面距离 Distance from spindle center to column guide surface	mm	580	600	600	
工作台 Workbench	工作台尺寸 Workbench size	mm	1000×500	1000×550	1200×650	
	工作台承重 Workbench load-bearing	kg	500	500	800	
	T 型槽(槽数-槽宽*间距) T-slot (number of slots - slot width * spacing)	mm	5*18*84	5*18*72	5*18*120	
主轴 Spindle	推荐电机功率 Recommended motor power	kw	7.5/11	11	11	
	主轴转速 Spindle speed	rpm	12000	12000	8000	
	主轴直径 Spindle diameter	Mm	Φ140	Φ150	Φ150	
	主轴锥度 Spindle taper	/	Bt40	Bt40	Bt40	
速度 Speed	切削进给速度范围 Cutting feed speed range	mm/min	1-10000	1-10000	1-10000	
	X/Y/Z 轴快移速度 X/Y/Z axis fast moving speed	m/min	48/48/48	36/36/36	24/24/24	
刀库 Tool magazine	刀库容量 Tool magazine capacity	把 Bundle	24	24	24	
尺寸 size	机床外观尺寸约(长*宽*高) Approximate machine tool dimensions (length*width*height)	mm	2400*2150*2500	2600*2500*2600	3200*2700*2900	

注:机床相关参数及外型尺寸因配置有所变化,不做另行通知。(配件可以选配)
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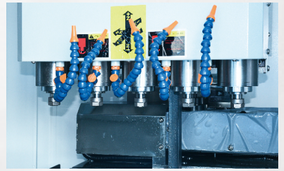
T Series

五头五轴机

FIVE-HEAD FIVE-AXIS MACHINE



机械特点

电子烟、五金、表壳、饰品及镶石等批量产品加工。
多主轴系加工机在简易产品小切削量，高速度、高效率以及高精密度产品加有绝对优势。
可根据客户需求设计各类夹具，让设备可发挥其最大特性。
不用换刀可节省换刀时间，可提高生产效率。

Mechanical features

Processing of bulk products such as electronic cigarettes, hardware, watch cases, jewelry and stone inlays.
Multi-spindle processing machines have absolute advantages in simple products with small cutting volume, high speed, high efficiency and high precision products.
Various clamps can be designed according to customer needs so that the equipment can maximize its characteristics.
Not having to change tools can save tool changing time and improve production efficiency.

设备参数 Equipment parameters

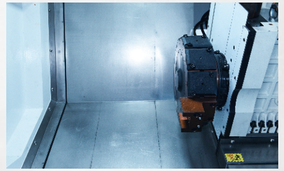
名称 Name		单位 unit	T-640	备注 Remark
加工范围 Processing range	工作台行程(X轴) Worktable travel (X axis)	mm	640	
	滑鞍行程(Y 轴) Saddle travel (Y axis)	mm	420	
	主轴箱行程(Z 轴) Spindle box travel (Z axis)	mm	400	
	主轴鼻端到工作台面距离 Distance from spindle nose to work table	mm	485	
	主轴中心至立柱导轨面距离 Distance from spindle center to column guide surface	mm	475	
	台面到盘面高度（水平） Height from table to plate (horizontal)	mm	260	
工作台 Workbench	工作台尺寸 Workbench size	mm	700*420	
	工作台承重 Workbench load-bearing	kg	300	
	T 型槽(槽数-槽宽*间距) T-slot (number of slots - slot width * spacing)	mm	3-*14mm*105mm	
主轴 Spindle	推荐电机功率 Recommended motor power	kw	3.2kw*5	
	主轴电机转速 Spindle motor speed	rpm	24000	
	主轴直径 Spindle diameter	Mm	100	
尺寸 size	机床外观尺寸约（长*宽*高） Approximate machine tool dimensions (length*width*height)	mm	1860*2250*2300	

注：机床相关参数及外型尺寸因配置有所变化，不做另行通知。(配件可以选配)
Note: The machine tool related parameters and dimensions are subject to change due to configuration without further notice. (Accessories are optional)

CK Series

车铣复合系列

TURNING AND MILLING SERIES



机械特点

车铣复合机床将数控车床车铣多边机床完美的结合一体,兼具数控车削与多边成形切屑功能, 可一次性完成车外圆, 打孔, 切断及车多边等多项工艺。(产品同心度高, 一机多用)。

车铣复合机床采用床身床脚连体翻砂工艺, 采用滚柱进口线轨及丝杠, 所以抗震性好, 切削力度強。

车铣复合机床可根据不同的产品实现主轴定位, 且可切削任意多边形加工(可同时完成三方、四方、五方、六方、七方等不规则形状) 车铣复合机床若平时不使用车削多边形功能时,也可作一台高精度精密型数控车床使用。

Mechanical features

The milling machine tool perfectly combines the CNC lathe milling multi-sided machine tool, and has both CNC turning and multi-sided forming chip cutting functions. It can complete multiple processes such as turning the outer circle, drilling, cutting and turning the multi-sided at one time. (The product has high concentricity and one machine has multiple uses).

The milling machine tool adopts the bed and bed foot integrated sanding process, and uses imported roller linear rails and lead screws, so it has good shock resistance and strong cutting force.

The milling machine tool can realize spindle positioning according to different products, and can cut any polygon processing (it can complete irregular shapes such as three-sided, four-sided, five-sided, six-sided, seven-sided, etc. at the same time) If the milling machine tool does not use the turning polygon function, it can also be used as a high-precision precision CNC lathe.

设备参数 Equipment parameters

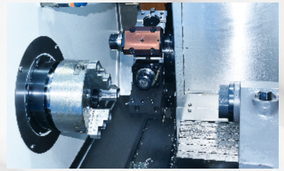
序号 Serial number	类型 Type	项目 Project	CK-52YD
1	主轴参数 Spindle parameters	主轴转速范围 Spindle speed range	0-4000 rpm
		主轴通孔直径 Spindle through hole diameter	66 mm
		拉管通孔直径 Diameter of the through hole of the drawn tube	52 mm
		主轴类型 Spindle type	A2-6
2	加工范围 Processing range	床身上最大回转直径 Maximum rotation diameter on the bed	Φ500 mm (根据刀塔变化) Φ500 mm(depending on the turret)
		最大加工直径 Maximum processing diameter	Φ270 mm
		最大加工长度 Maximum processing length	500mm (根据刀塔变化) 500mm(depending on the turret)
3	X、Z轴参数 X, Z axis parameters	X轴行程 X-axis travel	260 mm
		Y轴行程 Y-axis travel	±50 mm (根据刀塔变化) ±50 mm(depending on the turret)
		Z轴行程 Z-axis travel	600mm
		三轴XYZ轴快移速度 Three-axis XYZ axis fast moving speed	25 /15/25 m/min
5	电机功率 Motor power	主轴电机功率 Spindle motor power	17 Kw
		X、Y、Z轴电机功率 X, Y, Z axis motor power	2.4 Kw
		动力头电机功率 Power head motor power	2.3KW
6	动力刀塔 Power turret	侧面动力头 Side power head	BMT55/BMT45
		正面动力头 Front power head	BMT55/BMT45
		刀具数量 Number of tools	12/15工位 12/15Workstation
		动力头转速 Power head speed	5000
7	尾座 Tailstock	移动量 Movement	100 mm
		心轴锥度 Spindle taper	MT-5
		尾座轴直径 Tailstock shaft diameter	Φ80mm
		尾座行程 Tailstock travel	400mm
		尾座轨道结构 Tailstock track structure	线轨/硬轨 Linear rail/hard rail

注:机床相关参数及外型尺寸因配置有所变化,不做另行通知。(配件可以选配)
Note: The machine tool related parameters and dimensions are subject to change due to configuration without further notice. (Accessories are optional)

CK Series

动力刀塔系列

POWER TURRET SERIES



机械特点

机床底座采用树脂砂整体铸造，抗震性强，机床变形少，在重切削时仍能保持机床的精度和稳定性。
主轴电机采用变频电机，速度可实时变换。
主轴采用高精密主轴,高精度精密轴承，特别适合加工高硬度、大切削的零件。
同时采用大行程尾页，速度平稳、顶力稳定、使用效果佳，通过采用精密级滚珠丝杆带动工作滑板。
动力精度高、运行速度快、刚性强、伺服式换刀更快捷，保证了整体加工的精确度。

Mechanical features

The machine tool base is made of resin sand casting, which has strong shock resistance, less deformation of the machine tool, and can still maintain the accuracy and stability of the machine tool during heavy cutting.
The spindle motor adopts a variable frequency motor, and the speed can be changed in real time.
The spindle adopts a high-precision spindle and high-precision precision bearings, which are particularly suitable for processing high-hardness and large-cut parts.
At the same time, a large-stroke tail page is adopted, with stable speed, stable top force, and good use effect. The working slide is driven by a precision-grade ball screw.
High power accuracy, fast running speed, strong rigidity, and faster servo-type tool change ensure the accuracy of the overall processing.

设备参数 Equipment parameters

项次 Item	项目 Project	CP-52P	备注 Remark
加工范围 Processing range	主轴最大回转直径 Maximum rotation diameter of spindle	Φ450mm（根据刀塔变化）(depending on the turret)	
	刀塔最大回转直径 Maximum rotation diameter of turret	Φ380mm	
	最大加工工件长度 Maximum processing workpiece length	500mm（根据刀塔变化）(depending on the turret)	
	最大加工直径(盘类) Maximum processing diameter (disc type)	Φ300mm	
	最大棒料通过直径 Maximum bar diameter	Φ52mm	
行程及快速进给 Travel and rapid feed	X轴有效行程 X-axis effective travel	260mm	
	Z轴有效行程 Z axis effective travel	500mm	
	XZ轴快速移动速度 XZ axis fast moving speed	24m/min	
	XZ轴伺服电机功率(推荐) XZ axis servo motor power (recommended)	2.4KW	
主轴及装夹参数 Spindle and clamping parameters	主轴型号 Spindle model	A2-6	
	主轴通孔直经 Spindle through hole diameter	Φ66mm（通料直经Φ52mm）(Diameter of material passing through Φ52mm)	
	主轴最高转速 Maximum spindle speed	4000rpm	
	主轴马达功率(推荐) Spindle motor power (recommended)	11kw	
	卡盘及回转油缸型号 Chuck and rotary cylinder model	8寸 8 inches	
加工精度 Processing accuracy	XZ轴重复定位精度 XZ axis repeat positioning accuracy	±0.003mm	
	XZ轴定位精度 XZ axis positioning accuracy	±0.003mm	
机床结构及相关配置 Machine tool structure and related configuration	床身结构形式 Bed structure	30度整体斜床身 30 Overall inclined bed	
	X轴线轨规格 X-axis rail specifications	45mm	
	Z轴线轨规格 X-axis rail specifications	45mm	
	X轴丝杆直经/螺距 X-axis lead screw diameter/pitch	Φ32mm/10mm	
	Z轴丝杆直经/螺距 Z-axis lead screw diameter/pitch	Φ40mm/10mm	
	移动量 Movement	100 mm	
	心轴锥度 Spindle taper	MT-5	
	尾座轴直径 Tailstock shaft diameter	Φ80mm	
	尾座行程 Tailstock travel	450 mm	
	尾座轨道结构 Tailstock track structure	线轨/硬轨 Linear rail/hard rail	

注：机床相关参数及外型尺寸因配置有所变化，不做另行通知。(配件可以选配)
Note: The machine tool related parameters and dimensions are subject to change due to configuration without further notice. (Accessories are optional)

CK Series

数控车床系列

CNC LATHE SERIES

机械特点

机身采用计算机CAD辅助设计,结构合理,稳定性强刚性高。

整体铸件采用米汉纳铸铁铸造,吸震及减震性能更强、强度更高,且经过二次退火应力消除处理,使机床精度更加稳定耐用。

采用整体斜床身铸造结构,使整个床身高性更好、稳定性更强经久耐用。

通用型主轴单元,精度高维修方便,与保持整机长久精密提供可能。

本机床尤其适用于电子烟、军工、汽车、通讯、航空航天等行业的各种高精密、复杂中型零件大批量的高效加工。

Mechanical features

The machine body adopts computer CAD-aided design, with reasonable structure, strong stability and high rigidity.

The overall casting is made of Meehanite cast iron, which has stronger shock absorption and shock absorption performance and higher strength, and after secondary annealing stress elimination treatment, the machine tool precision is more stable and durable.

The overall inclined bed casting structure is adopted to make the entire bed more rigid, more stable and durable.

The universal spindle unit has high precision and easy maintenance, which provides the possibility of maintaining the long-term precision of the whole machine.

This machine tool is especially suitable for large-scale and efficient processing of various high-precision, complex medium-sized parts in industries such as electronic cigarettes, military industry, automobiles, communications, and aerospace.

设备参数 Equipment parameters

项目 project	单位 unit	CK-46
床身上最大回转直径 Maximum rotation diameter on the bed	mm	Φ380
最大加工直径（盘类） Maximum processing diameter (disc type)	mm	Φ260
主轴通孔直径 Spindle through hole diameter	mm	Φ45
最大通棒料直径 Maximum rod diameter	mm	Φ45
主轴最高转速 Maximum spindle speed	rpm	5000
主轴头形式 Spindle head type	type	A2-5
主电机功率 Main motor power	kw	7.5（伺服） 7.5(Servo)
床身结构 Bed structure	type	树脂砂铸件斜床身 Resin sand casting inclined bed
X轴最大行程 X-axis maximum travel	mm	900
Z轴最大行程 Z axis maximum travel	mm	300
X轴快移设定速度 X-axis fast moving speed setting	m/min	24m/min
Z轴快移设定速度 Z-axis fast moving speed setting	m/min	24m/min

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LV Series

立式五轴加工中心

VERTICAL FIVE-AXIS MACHINING CENTER

机械特点

1.加工复杂曲面:五轴加工中心专门用于加工复杂曲面,适用于加工叶轮、叶片、船用螺旋桨,等复杂零件。

2.高精度:五轴加工中心通过五轴定位进行尺寸分析,实现高精度加工。

3.高效性:五轴加工中心的生产率一般是普通加工中心的3~5倍,能应付复杂零件的加工,提高生产效率。

4.灵活性:五轴加工中心在处理对象转换时只需改变数控顺序,显示出较好的适应性,可以节约大量时间进行生产。

5.高度灵活性:五轴加工中心能形成具有较高灵活性的自动化生产系统

6.良好的生产条件:机器自动化程度高,操作者工作强度大大降低,工作环境更佳。

7.有利于管理:采用五轴加工中心,有利于对生产方面的掌握和管理,为实现生产过程的自动化创造条件。

Mechanical features

1. Processing complex surfaces: The five-axis machining center is specially used for processing complex surfaces, and is suitable for processing impellers, blades, marine propellers, and other complex parts.
2. High precision: The five-axis machining center performs dimensional analysis through five-axis positioning to achieve high-precision machining.
3. High efficiency: The productivity of the five-axis machining center is generally 3 to 5 times that of the ordinary machining center, which can cope with the processing of complex parts and improve production efficiency.
4. Flexibility: The five-axis machining center only needs to change the CNC sequence when processing object conversion, showing good adaptability, which can save a lot of time for production.
5. High flexibility: The five-axis machining center can form an automated production system with high flexibility
6. Good production conditions: The machine has a high degree of automation, the operator's work intensity is greatly reduced, and the working environment is better.
7. Favorable management: The use of a five-axis machining center is conducive to the mastery and management of production, creating conditions for the automation of the production process.

设备参数 Equipment parameters

项目 project	LV-856立式五轴加工中心 LV-856Vertical five-axis machining center
三轴行程 Three-axis travel	XYZ:800*550+600mm
工作台尺寸 Workbench size	Φ260/Φ320
最大工件载重和尺 Maximum workpiece load and size	60kg,允许最大工件旋径Φ500 60kg, maximum allowable workpiece rotation diameter Φ500
主轴规格 Spindle specifications	BT40-Φ150长鼻直接式 BT40-Φ150 Long Nose Direct
主轴端面到工作台台面 Spindle end to worktable surface	50-650mm(选用200mm加高垫) 50-650mm (use 200mm heightening pad)
刀库 Tool Magazine	BT40-24T
五轴摇篮规格 Five-axis cradle specifications	DTR260-500
A轴行程(倾斜轴) A-axis travel (tilt axis)	±120°
A轴最高转速 A-axis maximum speed	189rpm
A轴额定扭矩 A-axis rated torque	259N.m
A轴定位精度 A-axis positioning accuracy	±8
A轴重复定位精度 A-axis repeat positioning accuracy	±5
C轴行程(倾斜轴) C axis travel (tilt axis)	360°
C轴最高转速 C-axis maximum speed	386rpm
C轴额定扭矩 C-axis rated torque	122N.m
C轴定位精度 C-axis positioning accuracy	±8
C轴重复定位精度 C-axis repeat positioning accuracy	±5
刹车方式 Braking method	气刹 Air brake
机器外观 Machine appearance	2035*2430*2610(配标准摇篮+刀库) 2035*2430*2610(with standard cradle + tool magazine)

注:机床相关参数及外型尺寸因配置有所变化,不做另行通知。(配件可以选配)
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