由于市场及产品改进的需要，本画册所列产品的照片、技术参数、说明有可能改变，恕不另行通知，最终解释权归本公司所有！
Due to market and product improvement requirements, the photos, technical parameters, and descriptions of the products listed in this catalog may be subject to changes without prior notice. The final interpretation rights belong to our company!

CHANSIN 昌新

东莞市昌新数控设备有限公司
DONGGUAN CHANSIN HARDWARE MACHINERY CO., LTD
地址：广东省东莞市横沥镇骏马路31号
Address: No. 31, Junma Road, Hengli Town, Dongguan City, Guangdong Province 523460

广东昌新智能装备有限公司
GUANGDONG CHANSIN INTELLIGENT EQUIPMENT CO., LTD.
地址：中国广东省惠州市博罗县龙溪街道龙桥大道850号
Address: No. 850, Longqiao Blvd, Longxi Street, Boluo County, Huizhou City, Guangdong Province, China 516121

江西昌新机械制造有限公司
JIANGXI CHANSIN MACHINERY MANUFACTURING CO.,LTD
地址：江西省吉安县凤凰高新区华硕大道昌新数控产业园
Address: Chansin CNC Industrial Park, Huashuo Avenue, Fenghuang High-tech Zone, Ji'an County, Jiangxi Province 343100

电话 Telephone：0769-83726712
邮箱 Email：info@chansincnc.com
中文官网 Official website CN：changxincnc.1688.com
英文官网 Official website EN：www.chansincnc.com
阿里国际站 Alibaba website EN：chansin.en.alibaba.com
中国制造网 Made in china EN：dgchansin.en.made-in-china.com

扫描视频号，了解更多
Scan the video number to learn more

扫描抖音号，了解更多
Scan the Tiktok number to learn more

五轴联动加工中心
高速高精钻攻机
高速立式加工中心（V系列）
高速立式加工中心（L系列）
卧式加工中心
龙门加工中心
高速精雕机



BUILDING A TIMEHONORED LEGACY IN PRECISION MACHINE TOOLS

做精密机床百年企业

国家高新技术企业 NATIONAL HIGH-TECH ENTERPRISE
专精特新中小企业 SRDI SME

info@chansincnc.com

COMPANY PROFILE

公司简介

The company follows strategy centered on “high quality, reliable delivery, and responsive service.” Core components, whether for standard machines or custom equipment, are sourced from leading first-tier brands both domestic and international – never compromising quality for cost. Through stable supply chains and a rigorous quality control system, product performance and reliability have earned broad market recognition.

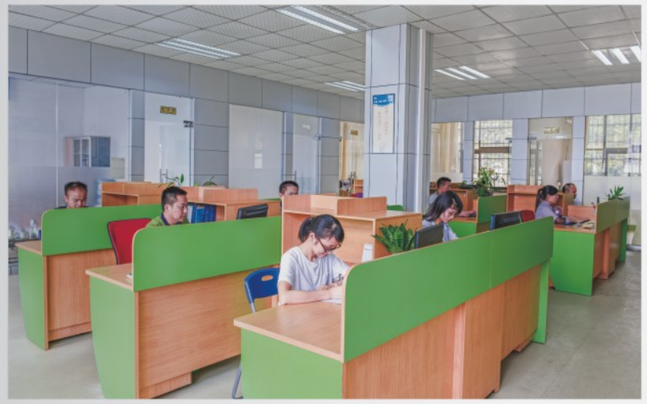
Chansin holds comprehensive capabilities in mid-to-high-end CNC R&D and manufacturing, mastering high-rigidity bed design, fast tool change integration, and 5-axis control. As of 2025, the company holds over 50 national patents, continuing R&D in automated line integration and 5-axis advancements, with strong customization and process support.

Looking ahead, Chansin will strengthen its position in drilling/tapping centers and mid-to-high-end machining centers, steadily expand global market share, and further advance automation and 5-axis technologies – striving to become the most trusted equipment supplier and long-term partner in precision manufacturing.

公司坚持高品质路线，采取“高品质、稳交付、重服务”的发展策略。无论标准机床还是定制设备，核心部件均选用国内外行业一线高端品牌，从不因成本妥协品质。凭借长期稳定的供应链合作与严格的品控体系，产品性能与稳定性获得市场广泛认可。

公司具备完整的中高端数控机床研发制造能力，掌握高刚性床身结构设计、高速换刀系统集成、五轴联动控制应用等核心技术。截至2025年，已获得50余项国家专利，并持续在自动化产线集成、五轴加工中心迭代等领域投入研发，具备较强的非标定制与工艺配套能力。

未来，公司将持续巩固在数控钻攻中心及中高端加工中心领域的市场优势，稳步扩大全球市场份额，深入拓展自动化产线配套与五轴联动加工技术，致力于成为精密制造领域客户最值得信赖的设备供应商与长期合作伙伴。





1998 年
昌新于1998年成立
Establisded In 1998

3+
3大生产基地
3 Production Base

42+
业务遍布42+个国家
Global Trade Over 42+ Countries

东莞市昌新数控设备有限公司（品牌：昌新数控）成立于1998年，以数控机床研发制造为核心业务，历经27年深耕，已成为技术积淀深厚、交付能力稳定的专业制造商，国家高新技术企业。产品远销全球40余国，出口经验超13年，持续为国内外制造业客户提供高效可靠的加工解决方案。

公司总部位于广东东莞，在东莞横沥、江西吉安和惠州博罗设立三大生产基地，形成“东莞研发总部+江西规模制造+惠州智能升级”的产业布局，总生产面积超30,000平方米。三地协同的生产体系保障了规模化交付能力，并实现从零部件加工到整机装配全流程的质量把控，可快速响应国内外客户的多样化需求。

数控机床板块，产品涵盖数控钻攻中心、立式/卧式加工中心、龙门加工中心、五轴联动机床及数控斜床身车床，车铣复合等，广泛应用于3C消费电子、汽车零部件、精密模具、医疗器械、航空航天及半导体零部件等领域。产品可依据客户工艺需求，灵活选配新代、三菱、发那科、西门子等主流数控系统，满足从单件定制到批量生产的不同场景。

Founded in 1998 and recognized as a National High-Tech Enterprise, Dongguan Chansin Hardware Machinery Co., Ltd. (brand: Chansin) has focused on CNC machine tool R&D and manufacturing for 27 years, building deep technical expertise and reliable delivery capability. Products are exported to over 40 countries with 13+ years of export experience, providing efficient and reliable machining solutions worldwide.

Headquartered in Dongguan, Guangdong, three production bases are located in Dongguan Hengli, Ji'an Jiangxi, and Huizhou Boluo, forming an industrial layout of “R&D headquarters in Dongguan, scale manufacturing in Jiangxi, and intelligent upgrading in Huizhou.” Total production area exceeds 30,000 square meters. This integrated three-base system ensures scalable delivery, full process quality control, and rapid response to diverse customer requirements.

The CNC machine tool portfolio includes drilling/tapping centers, vertical/horizontal machining centers, gantry machining centers, 5-axis simultaneous machining centers, and slant-bed CNC lathes,CNC turning milling. Widely applied in 3C electronics, automotive components, precision molds, medical devices, aerospace, and semiconductor parts. Machines can be flexibly equipped with Syntec, Mitsubishi, Fanuc, or Siemens CNC systems, supporting single-part customization to batch production.

DEVELOPMENT HISTORY

发展历程

1998年

在东莞以三人小作坊起家，秉持“让精密加工触手可及”的使命。

Founded in Dongguan with the mission: “Make precision machining accessible.

2003年

研发出国内首套半自动送料系统，为本地电子企业降低人工成本30%

Developed China’ s first semi-automatic feeding system

2005年

建成自动化钻孔攻牙生产线，至2008年年产量及销售突破300台

Established automated drilling & tapping line, annual output exceeded 300 units by 2008.

2012年

推出首台TC-640钻攻中心，专攻铝制手机中框与汽车连接件，加工节拍大大缩短，获国内3C电子头部企业认可。

Launched the first TC-640 drilling & tapping center, trusted by leading 3C electronics companies in China.

2014年

发布V系列，L系列等多款加工中心，受到塑胶注塑模具，汽车冲压模具，新能源锂电结构件等厂家的青睐。

V & L series introduced, favored by plastic molds, auto dies, and battery component makers.

2015年

拓展模具及龙门加工中心业务，成为国内汽车供应商的配套厂商。

Expanded into mold/die and gantry machining centers, becoming a supplier to domestic automotive manufacturers.

2017年

获评国家高新技术企业，拥有精密机床制造领域专利30余项。

Awarded National High-Tech Enterprise status, holding over 30 patents in precision machine tool manufacturing.

2018年

江西昌新投产，面积26000㎡，通过ISO 9001认证，年产能跃升至1000台以上。

Jiangxi Chansin production base commenced operations, covering 26,000㎡ with ISO 9001 certification, annual capacity exceeding 1,000 units.

2020年

取得CE认证，满足欧盟安全及电磁兼容标准，加速打开全球市场。

Achieved CE certification, EU safety and EMC standards – accelerating global market expansion.

2021年

推出45°斜床身数控车床系列，适用于医疗器械及汽车零部件精密加工。

Launched 45° slant-bed CNC lathe series, ideal for medical instruments and automotive precision components.

2023年

设备远销42个国家，成为东南亚/东欧地区3C电子及汽车零部件制造商的优选。

Machines operating in 42 countries, preferred by 3C electronics and automotive parts manufacturers in Southeast Asia and Eastern Europe.

2025年

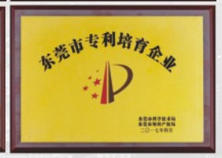
惠州昌新投产，承接大部分CNC设备生产任务，实现全流程流水线作业，规模化生产优势进一步凸显，品牌形象全面提升。

Established Huizhou Chansin, taking over most CNC machine production with full flow assembly lines – strengthening scalable manufacturing capabilities and brand image.















HONORARY QUALIFICATIONS

荣誉资质





QUALITY ASSURANCE

品质保证



铸件双重时效处理
Dual Aging Treatment of Castings

所有床身、立柱、主轴箱等关键铸件均采用自然时效+人工回火双重工艺，彻底消除铸造内应力，确保机床在长时间使用的情况下不会发生结构性变形，从根本上保证精度保持性。

All critical castings, including bed, column, and spindle head, undergo natural aging and artificial tempering to eliminate internal stresses completely. This ensures long-term structural stability and precision retention.



关键部件入厂检测
Incoming Inspection of Key Components

所有核心外购件主轴、丝杆、导轨、伺服电机、系统均采用国际一线品牌，入厂时进行100%全检，包括主轴跳动测试、丝杆导程精度检测、导轨直线度测量等，从源头把控机床品质。

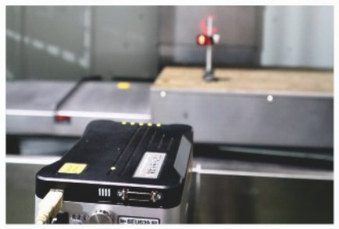
All core purchased components (spindles, ball screws, guideways, servo motors, control systems) are sourced from top international brands and undergo 100% incoming inspection, including spindle runout test, ball screw lead accuracy inspection and guideway straightness measurement. Defective parts are rejected unconditionally to ensure machine tool quality from the source.



手工铲刮工艺
Hand Scraping Process

轴承座、导轨面、丝杆螺母座等所有关键结合面均采用资深技师手工铲刮工艺，每平方英寸达到16-24个接触点，确保机床长期运行的精度稳定性和刚性，避免铸件变形带来的精度流失。

All critical mating surfaces (bearing housings, guideway surfaces, ball screw nut seats) are hand-scraped by experienced technicians, achieving 16-24 contact points per square inch. This ensures long-term accuracy stability and rigidity, preventing accuracy loss caused by casting deformation.



雷尼绍激光干涉仪全行程检测
Renishaw Laser Interferometer Calibration

每台机床出厂前均采用英国雷尼绍XL-80激光干涉仪，对X/Y/Z三轴进行全行程线性精度、重复定位精度、反向间隙、垂直度、直线度的逐项检测与补偿，确保精度达到国标 GB/T 18400.7-2010 标准。

Every machine tool is inspected and compensated item by item using a UK Renishaw XL-80 laser interferometer before delivery. Tests cover linear accuracy, repeat positioning accuracy, backlash, perpendicularity and straightness over the full travel of X/Y/Z axes, ensuring compliance with national standard GB/T 18400.7-2010.



72小时连续空运行测试
72-Hour Continuous Dry Run Test

每台机床装配完成后，必须进行72小时无间断连续空运行测试，模拟实际加工工况全面检验机床的电气系统稳定性、机械运行平顺性、温升控制能力，提前排查潜在故障，确保交付给客户的机床零缺陷。

After assembly, each machine tool undergoes a mandatory 72-hour uninterrupted dry run test simulating actual machining conditions. This comprehensively verifies electrical system stability, mechanical operation smoothness and temperature rise control, identifying potential faults in advance to guarantee zero-defect delivery.



终身维护与售后保障
Lifetime Maintenance & After-sales Service

我们为所有售出机床提供上门安装调试，终身维护服务，建立客户机床档案，定期回访跟踪机床使用情况。承诺24小时内响应客户售后需求，通过线上指导协助和线下上门服务的形式，确保客户生产不受影响，让您买得放心、用得安心。

On-site installation, commissioning and lifetime maintenance services are provided for all sold machine tools. Customer-specific machine files are established with regular follow-up visits. After-sales requests are responded to within 24 hours via online technical support and on-site service to minimize production downtime and provide complete peace of mind.

PRODUCTION WORKSHOP

生产车间













UT380

五轴联动加工中心
CNC 5-AXIS LINKAGE MACHINING CENTER

- 五轴联动：摇篮式工作台（A轴±120°、C轴360°），一次装夹完成多面加工，消除累积误差。
- 紧凑高刚性：三轴丝杠直径φ28/28/32mm，占用空间小，保持长期精度与稳定性。
- 动态响应快：BT30伺服刀库，5.5kW主轴，适用于频繁换刀、短节拍的高效加工。
- 高性价比方案：降低中小工厂五轴加工门槛，助力承接电极、医疗植入物、3C结构件、涡轮叶轮等复杂订单。

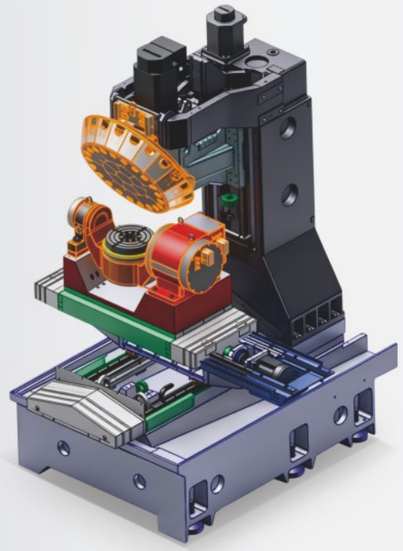
- 5-axis linkage: Cradle-type rotary table (A: ±120°, C: 360°), one setup for multi-face machining, eliminating cumulative errors.
- Compact & rigid: Ballscrew diameters φ28/28/32mm, small footprint with long-term precision and stability.
- Fast response: BT30 servo tool magazine, 5.5kW spindle, ideal for frequent tool changes and short-cycle high-efficiency machining.
- Cost-effective solution: Lowers the 5-axis entry barrier for small/medium workshops, enabling complex orders such as electrodes, medical implants, 3C structural parts, and turbocharger wheels.

加工成品 Processed Finished Products









控制系统可选 Controler Optional

- 台湾新代220MA-5或德国西门子ONE系统
- 五轴联动,标配 RTCP刀尖跟随功能
- 确保高精度及复杂三维零件的曲面流畅加工

- Taiwan Syntec 220MA-5 or German Siemens ONE
- 5-axis linkage with RTCP control
- High accuracy and smooth machining of intricate 3D parts

刀库 Tool Magazine

- 标配21工位BT30伺服驱动刀库
- 换刀动作快速、精准
- 运行稳定，故障率低-显著提升加工效率

- Standard 21-position BT30 servo-driven
- Featuring rapid and precise tool change action.
- Stable operation, low failure rate – boosts productivity

技术参数 Technical Parameters

项目	Item	单位 Unit	UT380
工作行程	**Axis Data**		
X-轴行程	X-axis Travel	mm	600
Y-轴行程	Y-axis Travel	mm	450
Z-轴行程	Z-axis Travel	mm	330
A-轴行程	A-axis Travel (Tilting Axis)		±120°
A轴最大速度	A-axis Maximum Speed	rpm	60
A轴扭矩	A-axis Rated Torque	N.m	259
C轴行程	C-axis Travel		360°
C轴最大转速	C-axis Maximum Speed	rpm	386
C轴扭矩	C-axis Rated Torque	N.m	122
三轴电机功率	Linear-Axis Motor Power (X/Y/Z)	kw	2.4/2.4/3.9
三轴快移速度	Rapid Traverse Speed (X/Y/Z)		48000/48000/48000
主轴鼻端至工作台的距离	Distance from Spindle Nose to Table Surface	mm	55-385
主轴中心至立柱导轨面距离	Distance from Spindle Center to Column Guide Rail Surface	mm	560
工作台面积	Table Size	mm	∅260
工作台最大荷重	Maximum Table Load	kg	60
最大工件旋径	Maximum Swing Diameter	mm	∅380
刹车方式	Brake Method		气刹 (Air Brake)
功率 & 速度	**Power & Speed**		
主轴功率	Spindle Motor Power	kw	5.5
主轴锥度	Spindle Taper		BT30
切削速度	Cutting Speed	mm/min	0-20000
电力需求	Maximum Total Power	kw	20
设备整体	**Machine Dimensions & Weight**		
机床尺寸	Machine Dimensions(L*W*H)	mm	1850*2300*2550
机床重量约	Machine Weight (Aprrox.)	kg	3500

U480

五轴联动加工中心
CNC 5-AXIS LINKAGE MACHINING CENTER

- 高刚性机身：采用云南铸造三线轨高强度床身，吸震性能优异，满足重切削与稳定加工需求。
- 大范围加工能力：X/Y/Z 行程达 800/550/600mm，工作台最大承载80kg，适合中型复杂零件及模具的批量生产。
- 强力五轴摇篮：配备RDDS320-500摇篮转台，A轴额定扭矩406 N·m，水冷散热，一次装夹完成复杂多面加工。
- 充裕主轴鼻端空间：主轴鼻端至工作台距离100–700 mm（立柱加高230mm），便于装夹较高工件及使用长刀具。
- 批量生产配置：24工位刀臂式刀库，搭配德国施耐德电气元件，保障连续不间断的批量加工可靠性。
- 中型精密零件首选：专为航空钛/铝合金支架、模具型腔、涡轮叶轮、刹车卡钳等中型结构件及模具的批量生产而设计。

- High-Rigidity Bed – Yunnan-cast three-rail high-strength base with excellent vibration damping, supporting heavy-duty cutting and stable machining.
- Large Working Envelope – X/Y/Z travels of 800/550/600 mm and max table load of 80 kg, ideal for batch production of medium-sized complex parts and molds.
- Powerful 5-Axis Cradle – RDDS320-500 cradle table with 406 N·m rated torque (A-axis), water-cooled, enabling one-setup multi-surface machining.
- Ample Spindle Nose Clearance – Distance from spindle nose to table surface: 100–700 mm (raised column by 230 mm), convenient for tall workpieces and long tools.
- Batch Production Ready – 24-station arm-type tool magazine with German Schneider electric components, ensuring reliable continuous operation.
- Ideal for Medium-Sized Precision Parts – Designed for aerospace titanium/ aluminum brackets, mold cavities, turbocharger impellers, brake calipers, and similar medium-sized structural components and molds.







加工成品 Processed Finished Products



五轴转台参数 5-Axis Cradle Parameters

项目	Item	单位 Unit	A Axis	C Axix
台面直径	Table Diameter	mm	F320	
中心孔直径	Center Hole Diameter	mm	F46	
工件最大回转直径	Maximum Rotation Diameter of Workpiece	mm	480	
最大荷重	Maximum Load	kg	80	
最大转速	Maximum Speed	rpm	170	386
摆角范围	Swing Angle Range		±120°	360°
工作台T型槽宽度	Workbench T-Slot Width		12H7	
额定扭矩	Rated Torque	N.m	406	122
最大扭矩	Maximum Torque	N.m	695	223
夹紧方式/压力	Clamping Method/Pressure	Mpa	气压 (Air Pressure)/0.6	气压 (Air Pressure)/0.6
夹紧力矩	Clamping Torque	N.m	840	310
冷却方式	Cooling Method		水冷 water cooling	
A轴 轴线高度	A-axis Height	mm	160	

设备参数 Machine Parameters

项目	Item	单位 Unit	U480
X 轴行程	X-axis Travel	mm	800
Y 轴行程	Y-axis Travel	mm	550
Z 轴行程	Z-axis Travel	mm	600
工作台最大荷重	Maximum Table Load	kg	80
主轴鼻端至台面距离	Spindle Nose to Table Distance	mm	100-700
主轴锥孔直径	Spindle Taper/Diameter		BT40-Ø155/BBT-40 Ø155
主轴转速	Spindle Speed	rpm	12000/15000/18000
X/Y/Z轴快移速度	(X/Y/Z axis) Fast Feed	m/min	24
滚珠丝杆	Ball Screw	mm	40*12
三轴线轨	3 Axis Linear Guide Ways	mm	X/Y:45*4: Z: 45*6
工件最大回转直径	Maximum Rotation Diameter of Workpiece	mm	Ø480
刹车方式	Braking Method		A轴钳实刹车 (A-axis Clamp Brake) C轴气动刹车 (C-axis Pneumatic Brake)
机床尺寸	Machine Dimensions(L*W*H)	mm	2750x2750x2850
机床重量约	Machine Weight (Aprrox.)	kg	5800

5-AXIS

五轴联动加工中心
CNC 5-AXIS LINKAGE MACHINING CENTER

- 采用天车式高刚性结构，无工件负荷影响。
- 五轴联动直驱技术，A/C 轴双 DD 驱动。
- 标配海德汉光栅，确保持久高精度。
- HT300 铸铁床身，经多次时效处理。
- 搭载 HSK 高速电主轴，高扭矩低热伸。
- 全系列覆盖 400-1400，定位精度达微米级。
- Gantry-type high-rigidity structure, unaffected by workpiece load.
- 5-axis simultaneous direct drive with dual DD drive on A/C axes.
- Heidenhain linear scales as standard for lasting precision.
- HT300 cast iron bed, treated with multiple aging processes.
- HSK high-speed built-in spindle, high torque with low thermal growth.
- Full series covers 400-1400, positioning accuracy down to micron level.



链式刀库 Chain-Type Tool Magazine

- 采用伺服电机+RV减速机驱动，刀具定位快速精准
- 配合先进控制系统，实现高速选刀，缩短换刀时间
- 支持功能扩展与升级（增加刀座数量、改进换刀机构），灵活适应工艺变化
- Driven by servo motor + RV reducer, enabling fast and precise tool positioning
- High-speed tool selection with advanced control system, reducing tool change time
- Supports expansion and upgrade (adding tool pockets, improving tool change mechanism) – flexibly adapting to process changes



双A轴DD转台 Dual A-Axis DD Rotary Table

- 大摆动±110°，速度100rpm，适应复杂零件，快速定位
- 双DD直驱 – 高刚性，无间隙，重载稳定
- 微弧度量级，五轴联动高精保障
- Large tilting range of ±110°, speed up to 100 rpm – suitable for complex parts and rapid positioning
- Dual DD direct drive – high rigidity, zero backlash, stable under heavy load
- Arc-second level precision, ensuring high accuracy for 5-axis simultaneous machining

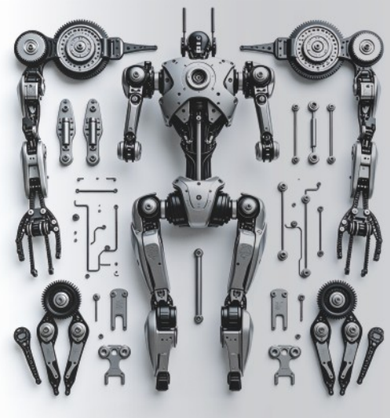


HSKA63电主轴 HSKA63 Built-In Spindle

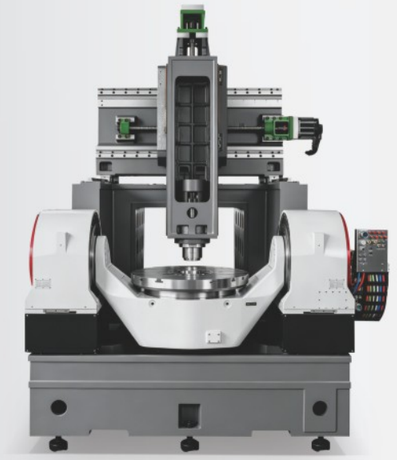
- 额定扭矩 53 N·m，加工效率卓越
- 独特热控制设计，工作时热变形最小化
- 保障更高精度的加工品质
- Rated torque of 53 N·m – excellent machining efficiency
- Unique thermal control design minimizes thermal deformation during operation
- Delivers higher precision machining quality



加工成品 Processed Finished Products







技术参数 Technical Parameters

项目	Item	单位 Unit	G500	G630	G800
工作台	**Worktable**				
工作台尺寸	Worktable Size	mm	400	500	630
A轴摆动角度	A-axis Swing Angle	°	±110	±110	±110
A轴摆动速度	A-axis Swing Speed	rpm	100	80	80
C轴转动角度	C-axis Rotation Angle	°	360	360	360
C轴转动速度	C-axis Rotation Speed	rpm	200	120	120
允许最大荷重	Maximum Allowable Load	kg	250	450	850
加工范围	**Machining Range**				
X轴行程	X-axis Travel	mm	500	600	800
Y轴行程	Y-axis Travel	mm	650	800	900
Z轴行程	Z-axis Travel	mm	450	480	600
主轴端面至工作台距离	Distance from Spindle Face to Worktable	mm	120~570	90~630	120~720
主轴	**Spindle**				
锥孔	Taper Hole		HSKA63	HSKA63	HSKA63
转速	Rotation Speed	rpm	20000	20000	20000
主轴功率	Spindle Power	kw	20	35	45
额定扭力	Rated Torque	N.m	33	48	100
进给	**Feed**				
X/Y/Z 快移速度	X/Y/Z Rapid Traverse Speed	m/min	36	36	36
丝杆规格	Lead Screw Specification		3212/4012/3212	4012/5012/4012	4012/5512/4012
线轨规格	Linear Guide Specification		35/45/35	35/45/35	45/45/45
进给速度	Feed Rate	m/min	15	15	15
刀库	**Tool Magazine**				
刀库容量	Tool Magazine Capacity		32	32	32
最大刀具长度	Maximum Tool Length	mm	300	300	300
最大刀具重量	Maximum Tool Weight	kg	8	8	8
最大刀盘直径 - 满刀	Maximum Tool Disk Diameter - Full	mm	Ø70	Ø70	Ø70
最大刀盘直径 - 相邻空刀	Maximum Tool Disk Diameter - Adjacent Empty	mm	Ø120	Ø120	Ø120
其他	**Others**				
机床尺寸	Machine Dimensions(L*W*H)	mm	2700*3500*2900	2900*4200*3350	3300*4600*3600
机床重量约	Machine Weight (Aprrox.)	kg	9500	13000	17000

DTC

- 高速高精：主轴转速12,000–24,000 rpm，适合高效连续加工。
- 快速换刀：刀对刀换刀时间仅1.2秒，大幅减少辅助工时。
- 高刚性结构：一体式优质铸铁床身，吸震性强，确保高速切削下的稳定性。
- 工序集中：一次装夹即可完成钻孔、攻丝、铣削等多道工序，避免累积误差。
- 自动化兼容：可集成自动送料、桁架机械手、第四轴等，实现24小时无人化生产。
- 多行业适用：专为3C电子、汽车零部件、精密模具、医疗器械等中小批量高节拍加工设计。



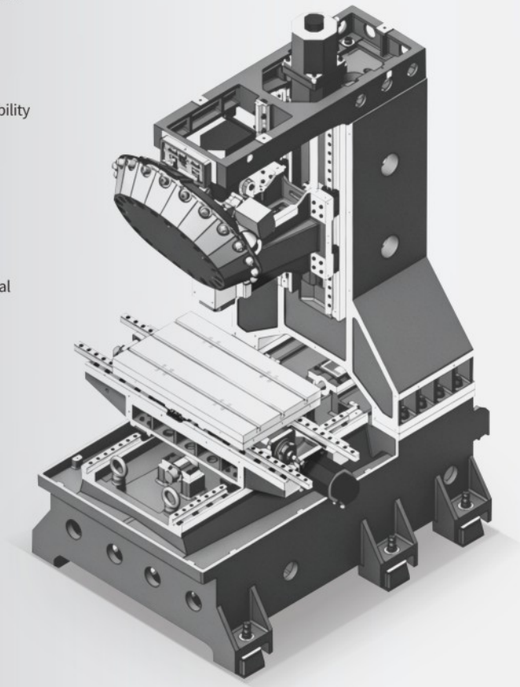
高速高精钻攻机
CNC DRILLING TAPPING MACHINE



技术参数 Technical Parameters

项目	Item	单位 Unit	T6	T7
X/Y/Z轴行程	X/Y/Z axis Travel	mm	600/400/300	700/500/350
主轴鼻端至工作台距离	Distance from Spindle Nose to Workable Face	mm	150~450	120~470
主轴中心至立柱导轨面距离	Distance from Spindle Center to Column Guide Rail	mm	450	550
工作台尺寸	Table Size	mm	700*420	800*450
工作台最大负荷	Table Load Capacity	kg	350	350
T型槽(数目-尺寸)	T Slot (Number Size)	mm	3*18*125	3*18*125
主轴转速	Main Spindle Speed	rpm	20000	20000
主轴锥孔直径	Spindle Taper		BT30	BT30
主轴电机功率	Main Spindle Motor Power	kw	5.5	5.5
三轴电机功率	Three Axis Motor Power	kw	1.5/1.5/3.0	1.5/1.5/3.0
快移速度(X/Y/Z)	X/Y/Z Axis Rapid Traverse	mm/min	48000/48000/48000	48000/48000/48000
切削速度	Cutting Speed	mm/min	0-10000	0-10000
电力总需求	Electricity Demand	kw	15	15
机床尺寸	Machine Dimensions(L*W*H)	mm	2100*2350*2500	2300*2760*2230
机床重量约	Machine Weight (Aprrox.)	kg	3100	3300

- High Speed & Precision – 12,000–24,000 rpm spindle, designed for efficient continuous machining.
- Fast Tool Change – Tool-to-tool change in just 1.2 seconds, significantly reducing auxiliary time.
- High Rigidity – One-piece cast iron bed ensures excellent vibration damping and stability at high speeds.
- Process Integration – Combines drilling, tapping, and milling in a single setup, eliminating cumulative errors.
- Automation Ready – Supports auto feeding, gantry robots, and 4th axis for 24/7 unattended production.
- Wide Application – Ideal for 3C electronics, automotive parts, precision mold, medical devices, and high-cycle small-to-medium batch production.



加工成品 Processed Finished Products

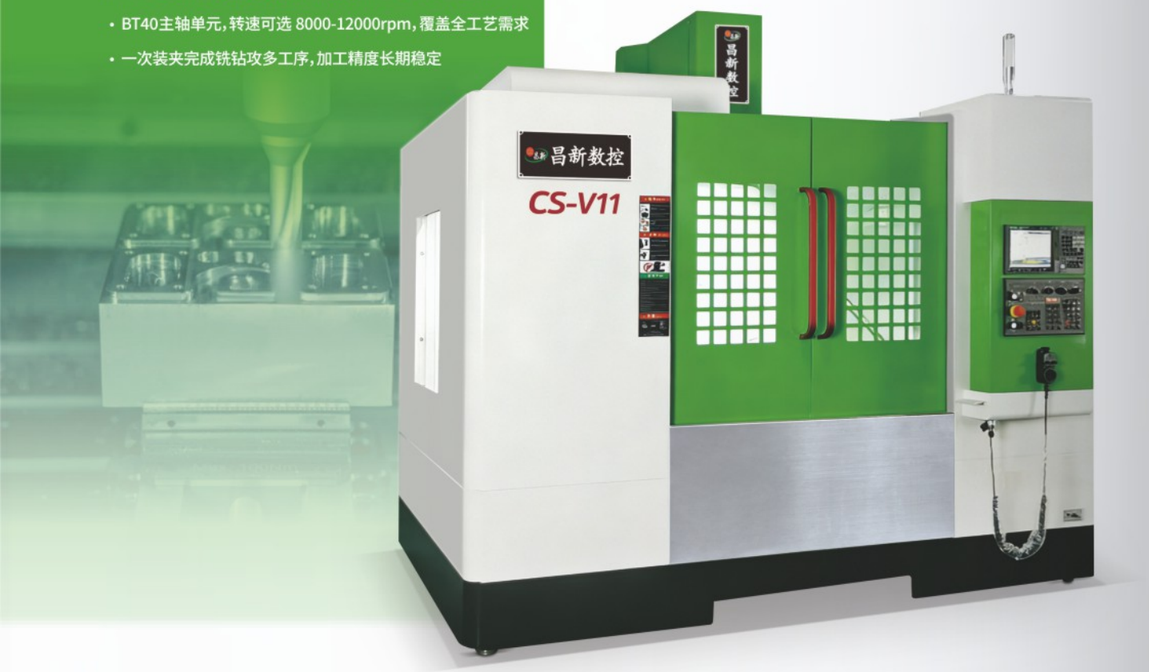


T8	T10	T13	T16	T20	T25
800/500/430	1050/500/430	1300/500/430	1650/650/430	2020/500/430	2550/650/500
100~530	100~530	100~530	100~530	70~500	120~620
550	550	550	660	550	700
900*500	1100*500	1300*500	1700*600	2000*500	2600*600
500	500	500	500	500	800
3*18*125	3*18*125	3*18*125	3*18*125	3*18*125	4*18*140
20000	20000	20000	20000	20000	20000
BT30	BT30	BT30	BT30	BT30	BT30
5.5	5.5	5.5	5.5	5.5	5.5
1.5/1.5/3.0	1.5/1.5/3.0	2.0/2.0/3.0	2.0/2.0/3.0	2.0/2.0/3.0	2.0/2.0/3.0
48000/48000/48000	48000/48000/48000	48000/48000/48000	48000/48000/48000	48000/48000/48000	48000/48000/48000
0-10000	0-10000	0-10000	0-10000	0-10000	0-10000
15	15	18	18	18	18
2400*2760*2230	2700*2760*2230	3100*2760*2230	3500*2760*2230	4200*2760*2230	4800*2760*2230
3500	4100	4500	5800	6100	8500

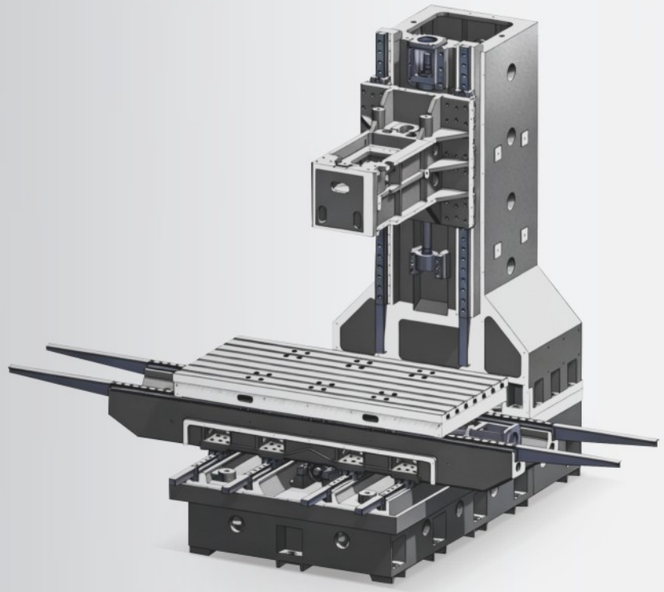
VMC-V

高速立式加工中心
CNC VERTICAL MACHINING CENTER

- 三轴进口高刚性线轨，低磨耗长寿命，支持高速连续加工
- 米汉纳工艺铸造床身，有限元优化结构，刚性与吸震双优
- 标配高速圆盘刀库，换刀流畅高效，适配多工序批量生产
- BT40主轴单元，转速可选 8000-12000rpm，覆盖全工艺需求
- 一次装夹完成铣钻攻多工序，加工精度长期稳定



- 3-axis imported high-rigidity linear guides, low wear and long life for high-speed continuous machining
- Meehanite cast bed with FEA-optimized structure, superior rigidity and vibration damping
- Standard high-speed disc tool magazine, smooth and efficient for multi-process batch production
- BT40 spindle unit, optional 8000-12000rpm, covers all process requirements
- Completes milling, drilling, tapping in one setup with long-term stable accuracy



加工成品 Processed Finished Products

技术参数 Technical Parameters

项目	Item	单位 Unit	V855	V6	V11	V13	V16	V20	V25
X/Y/Z轴行程	X/Y/Z Axis Travel	mm	800/550/550	600/400/450	1100/600/600	1300/500/500	1650/650/550	2020/500/550	2550/650/650
主轴鼻端至工作台距离	Distance from Spindle Nose to Workable Face	mm	120-720	130~580	100~700	70~570	90~640	50~600	90~740
主轴中心至立柱导轨面距离	Distance from Spindle Center to Column Guide Rail	mm	590	500	680	550	660	550	700
工作台尺寸	Table Size	mm	1000*550	700*420	1200*600	1300*500	1700*600	2000*500	2600*600
工作台最大负荷	Table Load Capacity	kg	800	650	800	800	800	800	800
T型槽(数目-尺寸)	T Slot (Number Size)	mm	5*18*90	4*18*125	5*18*125	5*18*125	5*18*125	5*18*125	5*18*140
主轴转速	Main Spindle Speed	rpm	10000皮带 (Belt-Drive) 12000直联 (Direct-Drive)	12000直联 (Direct-Drive)	10000皮带 (Belt-Drive) 12000直联 (Direct-Drive)	10000皮带 (Belt-Drive) 12000直联 (Direct-Drive)	10000皮带 (Belt-Drive) 12000直联 (Direct-Drive)	10000皮带 (Belt-Drive) 12000直联 (Direct-Drive)	10000皮带 (Belt-Drive) 12000直联 (Direct-Drive)
主轴锥孔直径	Spindle Taper		BT40-∅150	BT40-∅120	BT40-∅150	BT40-∅150	BT40-∅150	BT40-∅150	BT40-∅150
主轴电机功率	Main Spindle Motor Power	kw	11	7.5	11	11	11	11	11
三轴电机功率	Three Axis Motor Power	kw	3.0/3.0/3.0	1.5/1.5/3.0	3.0/3.0/3.0	3.0/3.0/3.0	3.0/3.0/3.0	3.0/3.0/3.0	3.0/3.0/3.0
快移速度(X/Y/Z)	X/Y/Z Axis Rapid Traverse	mm/min	48000/48000/48000	48000/48000/48000	48000/48000/48000	48000/48000/48000	48000/48000/48000	48000/48000/48000	48000/48000/48000
切削速度	Cutting Speed	mm/min	0-12000	0-12000	0-12000	0-12000	0-12000	0-12000	0-12000
电力总需求	Electricity Demand	kw	19	18	22	22	22	22	22
机床尺寸	Machine Dimensions(L*W*H)	mm	2750×2700×2850	2150*2050*2550	3350*2700*2750	3750*2700*2750	4250*2700*2750	4850*2700*2750	5850*2700*2750
机床重量约	Machine Weight (Aprrox.)	kg	5500	3500	5800	6300	6800	7300	8800

VMC-L

高速立式加工中心
CNC VERTICAL MACHINING CENTER

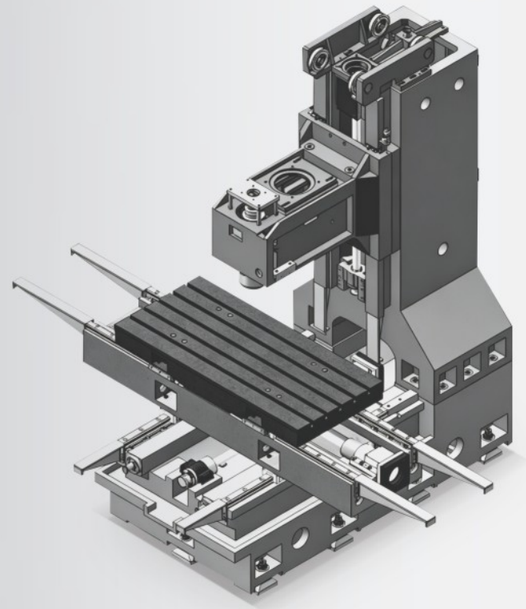
- XY 轴进口高刚性线轨（快速移动）+ Z 轴硬轨（优异吸震），刚性速度双优
- 立柱床身箱型对称设计，宽大导轨跨距，FEA 结构优化，重切精度持久
- 标配 BT40/BT50 高扭矩主轴，可选齿轮头 / 直联驱动，轻松应对难加工材料
- 工作台承重强，适配中型箱体、模架、汽车结构件等零件
- 一次装夹完成多工序重切削，兼顾生产效率与加工稳定性



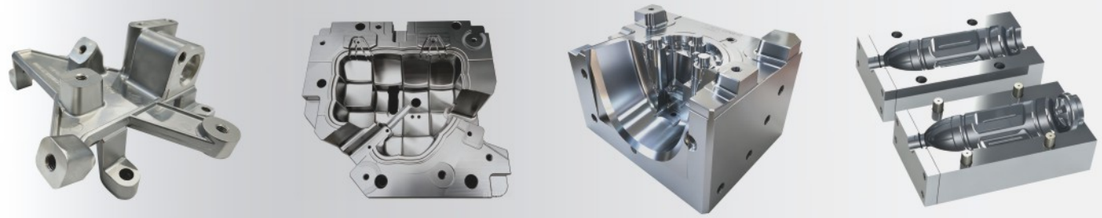
技术参数 Technical Parameters

项目	Item	单位 Unit	L855
X/Y/Z轴行程	X/Y/Z Axis Travel	mm	800/550/550
主轴鼻端至工作台距离	Distance from Spindle Nose to Workable Face	mm	110~660
主轴中心至立柱导轨面距离	Distance from Spindle Center to Column Guide Rail	mm	600
工作台尺寸	Table Size	mm	1000*550
工作台最大负荷	Table Load Capacity	kg	500
T型槽（数目-尺寸）	T Slot (Number Size)	mm	5-18*90
主轴转速	Main Spindle Speed	rpm	10000皮带 (Belt-Drive)
主轴锥孔直径	Spindle Taper		BT40-∅150
主轴电机功率	Main Spindle Motor Power	kw	7.5~11
三轴电机功率	Three Axis Motor Power	kw	3.0/3.0/3.0
快移速度（X/Y/Z）	X/Y/Z Axis Rapid Traverse	mm/min	32000/32000/24000
切削速度	Cutting Speed	mm/min	0-10000
电力总需求	Electricity Demand	kw	25
机床尺寸	Machine Dimensions(L*W*H)	mm	2750*2800*2750
机床重量约	Machine Weight (Aprrox.)	kg	5800

- X/Y imported high-rigidity linear guides (rapid traverse) + Z hard rail (excellent damping), dual advantages of rigidity and speed
- Box-type symmetric column and bed, wide guide span, FEA-optimized for long-term accuracy under heavy cuts
- Standard BT40/BT50 high-torque spindle, optional gear/direct drive, handles difficult-to-machine materials easily
- High table load capacity, suitable for medium boxes, mold bases, automotive structural parts
- Completes multi-process heavy cutting in one setup, balances efficiency and stability



加工成品 Processed Finished Products

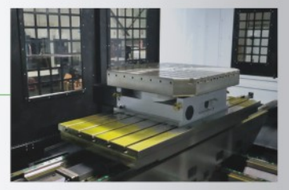


L1160	L1270	L1380	L1580	L1690	L1890
1100/600/600	1200/700/600	1300/800/700	1500/800/700	1600/900/700	1800/900/700
70~670	87~687	90~790	130~830	105~705	115~715
655	785	835	810	950	950
1300*600	1360*700	1500*800	1700*800	1800*900	2000*900
800	1000	1000	1500	1600	1600
5-18*100	5-18*122	5-18*138	5-22*135	5-22*165	5-22*165
8000皮带 (Belt-Drive)	8000皮带 (Delt-Brive)	8000皮带 (Belt-Drive) 6000皮带(Belt-Drive)	8000皮带 (Belt-Drive) 6000皮带 (Belt-Drive)	8000皮带 (Belt-Drive) 6000皮带 (Belt-Drive)	8000皮带 (Belt-Drive) 6000皮带 (Belt-Drive)
BT40-∅151	BT50/∅155	BT50/∅155 BT50/∅190	BT50/∅155 BT50/∅190	BT50/∅155 BT50/∅190	BT50/∅155 BT50/∅190
7.5~11	15~18.5	15~18.5	15~18.5	15~18.5	15~18.5
3.0/3.0/3.0	3.0/4.5/4.5	3.0/4.5/4.5	4.5/4.5/4.5	4.5/7.0/4.5	4.5/7.0/4.5
24000/24000/18000	32000/32000/24000	24000/24000/18000	24000/24000/18000	24000/24000/18000	24000/24000/18000
0-12000	0-8000	0-8000	0-8000	0-6000	0-6000
22	35	35	40	45	45
3350*2700*2750	3550*3100*2750	3750*3200*2850	4150*3200*2850	4350*3300*2850	4750*3300*2850
6500	8200	9000	11800	12500	13200

HMC

卧式加工中心
CNC HORIZONTAL MACHINING CENTER







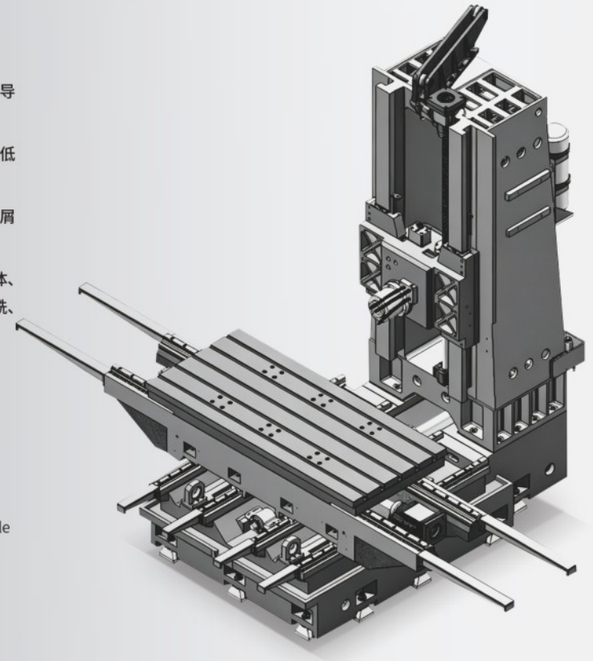


技术参数 Technical Parameters

项目	Item	单位 Unit	LW855
X/Y/Z轴行程	X/Y/Z Axis Travel	mm	800/600/500
主轴中心至工作台台面距离	Distance from Spindle Nose to Workable Face	mm	100~700
主轴端面至工作台中心距离	Distance from Spindle Center to Column Guide Rail	mm	140~640
工作台尺寸	Table Size	mm	1000*500
工作台最大负荷	Table Load Capacity	kg	450
T型槽(数目-尺寸)	T slot (Number Size)	mm	5-18*90
主轴转速	Main Spindle Speed	rpm	10000皮带 (Belt-Drive)
主轴锥孔直径	Spindle Taper		BT40-∅150
主轴电机功率	Main Spindle Motor Power	kw	7.5~11
三轴电机功率	Three Axis Motor Power	kw	3.0/3.0/3.0
快移速度(X/Y/Z)	X/Y/Z Axis Rapid Traverse	mm/min	24000/24000/24000
切削速度	Cutting Speed	mm/min	0-10000
电力总需求	Electricity Demand	kw	25
机床尺寸	Machine Dimensions(L*W*H)	mm	2700×2700×2600
机床重量约	Machine Weight (Aprrox.)	kg	5800

- 高刚性十字滑台结构:采用十字滑台形式床身与整体式立柱,结合宽大导轨跨距与高刚性滑台,确保重切削及断续切削时的抗扭、抗弯稳定性。
- 大扭矩主轴配置:搭载BT50高扭矩主轴,可选齿轮传动或电主轴结构,低速大扭矩特性显著,适用于铸铁、钢件等材料的大余量粗加工。
- 高效排屑与冷却系统:双螺旋+链板式排屑器配合中心内冷主轴,确保切屑快速排出,满足自动化连线及无人值守场合的连续运行需求。
- 典型应用领域:专为工程机械液压件、汽车发动机缸体/缸盖、减速机箱体、泵阀壳体等中型箱体类零件的高效精密加工设计,一次装夹完成多面铣、钻、镗、铰等工序。

- High-rigidity cross-slide structure – Cross-slide bed, one-piece column, wide guide span and high-rigidity slide for torsional/bending stability under heavy and interrupted cuts.
- High-torque BT50 spindle – gear or built-in drive, ideal for roughing cast iron and steel.
- Efficient chip removal – dual spiral + chain conveyor with through-spindle coolant for unattended running.
- Typical applications – engine blocks, gearboxes, valve bodies, hydraulic parts – multi-face machining in one setup.



加工成品 Processed Finished Products









LW970	LW1075	LW1290	LW1814
1100/750/600	1000/750/600	1200/900/700	1800/1400/900
131~881	50~650	150~850	200~1100
125~725	60~810	140~1040	140~1540
1200*600	1300*600	1360*700	2000*900
800	800	1000	1600
5-18*110	5-18*100	5-18*122	5-22*165
10000皮带 (Belt-Drive)	8000皮带 (Belt-Drive)	6000皮带 (Belt-Drive)	6000皮带 (Belt-Drive)
BT40-∅150	BT50/∅155	BT50/∅190	BT50/∅190
7.5~11	15~18.5	15~18.5	15~18.5
3.0/3.0/3.0	3.0/3.0/3.0	4.5/4.5/4.5	4.5/4.5/7.0
24000/24000/24000	24000/24000/24000	20000/12000/20000	20000/12000/20000
0-10000	0-8000	0-8000	0-8000
25	30	35	40
3100×2900×2700	3650×3600×2750	3850×3950×3150	5000×4000×3500
6500	7800	9500	12800

GMC

龙门加工中心
CNC GANTRY MACHINING CENTER

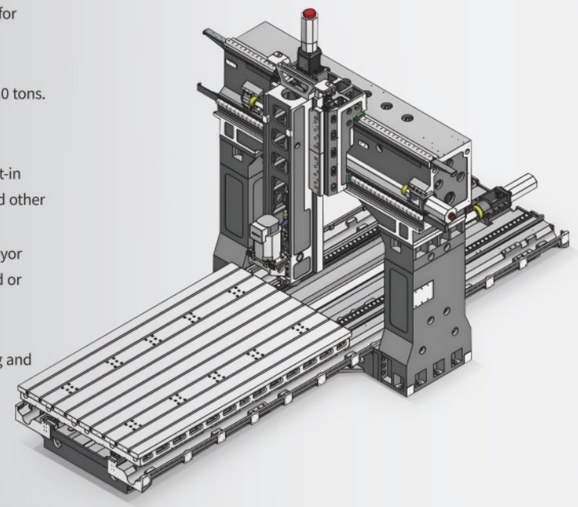
- 高刚性龙门结构：定梁定柱式设计，横梁与立柱一体化铸造，刚性强，抗扭能力高，满足大型工件重切削需求。
- 超大加工范围：X 轴行程覆盖 2 米至 10 米，工作台承重可达 10 吨以上，适用于大型模具、航空结构件、机床部件等零件的批量加工。
- 大扭矩主轴配置：标配 BT50 高扭矩主轴，可选齿轮传动或电主轴，低速大扭矩特性显著，胜任铸铁、钢件、钛合金等难加工材料。
- 高效排屑与防护：双侧螺旋+链板式排屑器，配合全封闭防护罩，确保切屑快速排出，适合长时间无人值守或自动化连线生产。
- 典型应用领域：专为大型精密模具、航空航天框梁、轨道交通部件、船舶发动机机体、机床床身等超大尺寸零件的高效粗精加工设计。



技术参数 Technical Parameters

项目	Item	单位 Unit	LP1614	LP2014
X/Y/Z轴行程	X/Y/Z Axis Travel	mm	1600/1500/800	2200/1500/800
龙门宽度	Lantern Gate width	mm	1500	1500
龙门过高	The dragon gate is too high	mm	1060	1060
主轴鼻端至工作台距离	Distance from Spindle Nose to Workable Face	mm	160~960 短鼻 (Short Spindle)	160~960
工作台尺寸（长*宽）	Table Size	mm	1200*600	2000*1200
工作台最大负荷	Table Load Capacity	kg	2500	3500
T型槽（数目-尺寸）	T Slot (Number Size)	mm	中间 (Middle) 5-22*195 两侧 (Two Sides) 1-22*145	中间 (Middle) 5-22*195 两侧 (Two Sides) 1-22*145
主轴转速	Main Spindle Speed	rpm	8000皮带 (Belt-Drive)	6000皮带 (Belt-Drive)
主轴锥孔直径	Spindle Taper		BT50/∅155	BT50/∅190
主轴电机功率	Main Spindle Motor Power	kw	15~18.5	18.5
三轴电机功率	Three Axis Motor Power	kw	4.5/4.5/4.5	4.5/4.5/4.5
快移速度（X/Y/Z）	X/Y/Z Axis Rapid Traverse	mm/min	16000	16000
切削速度	Cutting Speed	mm/min	0-8000	0-8000
电力总需求	Electricity Demand	kw	35	40
机床尺寸	Machine Dimensions(L*W*H)	mm	4700*3400*3700	5500*3400*3700
机床重量约	Machine Weight (Aprrox.)	kg	13400	14600

- High-rigidity gantry structure – Fixed beam and column, one-piece casting for strong rigidity and high torsion resistance, ideal for heavy cutting of large workpieces.
- Extra-large working range – X-axis travel from 2 m to 6 m, table load up to 10 tons. Suitable for large molds, aerospace structural parts, and machine tool components.
- High-torque spindle – Standard BT50/HSK high-torque spindle, gear or built-in drive. Low-speed high-torque performance for cast iron, steel, titanium, and other difficult materials.
- Efficient chip removal & protection – Dual spiral plus chain-type chip conveyor with full enclosure. Ensures rapid chip evacuation for long-time unattended or automated line production.
- Typical applications – Large precision molds, aerospace beams, railway components, marine engine bodies, machine tool beds – efficient roughing and finishing of extra-large parts.



加工成品 Processed Finished Products



LP2514	LP3014	LP2518	LP3018	LP3025	LP4025
2500/1500/800	3000/1500/800	2700/2000/800	3200/2000/800	3200/2500/1000	4200/2500/1000
1500	1500	1820	1820	2560	2550
1060	1060	1160	1160	1300	1300
160~960	169~960	250~1050	250~1050	180~1180	180~1181
2500*1200	3000*1200	2700*1600	3200*1600	3200*2000	4200*2000
4500	5500	5000	6000	6000	9000
7-22*170	5-22*195	7-22*200	7-22*200	9-22*190	9-22*190
6000皮带 (Belt-Drive)	6000皮带 (Belt-Drive)	6000皮带 (Belt-Drive)	6000皮带 (Belt-Drive)	6000皮带 (Belt-Drive)	6000皮带 (Belt-Drive)
BT50/∅190	BT50/∅190	BT50/∅190	BT50/∅190	BT50/∅190	BT50/∅190
18.5	18.5	18.5	18.5	18.5	18.5
4.5/4.5/4.5	7.0/4.5/4.5	7.0/4.5/4.5	7.0/4.5/4.5	7.0/4.5/4.5	7.0/4.5/4.5
16000	16000	16000	16000	15000	12000
0-8000	0-8000	0-8000	0-8000	0-8000	0-8000
40	45	45	45	50	50
7500*4400*3900	8960*4400*3900	7500*4800*3900	8960*4800*3900	9000*5200*3900	10500*5200*3900
16500	17500	19000	20500	27000	29500

EMM

高速精雕机
CNC ENGRAVING MILLING MACHINE

- 高速精密电主轴：采用低振动、低发热的高频电主轴，确保微小刀具在高速切削下获得优异的表面光洁度（可达镜面级）。
- 高刚性龙门结构：铸铁机身搭配定梁或动梁式龙门设计，经有限元分析优化，有效抑制微振动，保障精雕轮廓的准确性与一致性。
- 灵活紧凑布局：占地面积小，可灵活布置于车间或实验室；同时具备良好的可达性，便于小零件快速装夹与换料，适合多品种切换。
- 高效硬铣能力：具备对淬火钢、石墨、陶瓷等硬脆材料的微细铣削与雕刻能力，一次装夹完成粗、精加工，大幅减少后续抛光或电火花工序。
- 典型应用领域：精密模具铜/石墨电极、3C玻璃面板倒角与中框高光、医疗器械微细结构件、眼镜钟表零件、首饰及五金徽章等的高精度高速雕刻。



■ 技术参数 Technical Parameters

项目	Item	单位 Unit	65
X/Y/Z轴行程	X/Y/Z Axis Travel	mm	600/500/250
主轴鼻端至工作台	Distance from Spindle Nose to Workable Face	mm	50~330
工作台尺寸	Table Size	mm	600*500
工作台最大负荷	Table Load Capacity	kg	300
T型槽(数目-尺寸)	T Slot (Number Size)	mm	5-16-100
主轴转速	Main Spindle Speed	rpm	24000
主轴锥孔直径	Spindle Taper		BT30
主轴电机功率	Main Spindle Motor Power	kw	7.5
三轴电机功率	Three Axis Motor Power	kw	1.5/1.5/1.5
快移速度(X/Y/Z)	X/Y/Z Axis Rapid Traverse	mm/min	15000
切削速度	Cutting Speed	mm/min	0-8000
电力总需求	Electricity Demand	kw	15
机床尺寸	Machine Dimensions(L*W*H)	mm	1900*1800*2500
机床重量约	Machine Weight (Aprrox.)	kg	2600

- High-speed precision spindle – Low-vibration, low-heat design for mirror-grade surface finish on micro parts.
- High-rigidity gantry – Cast iron FEA-optimized structure suppressing micro-vibration for accurate contours.
- Compact & flexible – Small footprint, easy access for quick changeover, ideal for high-mix production.
- Hard milling capability – Machines hardened steel, graphite, ceramics in one setup, reducing polishing/EDM.
- Typical applications – Cu/graphite electrodes, 3C glass chamfering, medical micro parts, watch parts, jewelry, hardware badges.



■ 加工成品 Processed Finished Products



76	87	108	128
600/700/250	800/700/350	1000/800/400	1200/800/400
50~330	30~380	70~470	70~470
700*600	800*690	1000*800	1200*800
300	400	800	800
5-16-120	5-16-115	5-18-158	7-18-158
24000	24000	24000	24000
BT30	BT30	BT30	BT30
7.5	11	11	11
1.5/1.5/1.5	1.5/1.5/1.5	2.0/2.0/2.0	2.0/2.0/2.0
15000	15000	15000	15000
0-8000	0-8000	0-8000	0-8000
15	20	25	25
2000*1900*2500	2300*2000*2500	3300*2500*2600	3300*2500*2600
2600	3500	6000	6000

机床选配附件
OPTIONAL ACCESSORIES



五轴转台
5-Axis Rotary Table



四轴转台
4-Axis Rotary Table



尾座
Tailstock



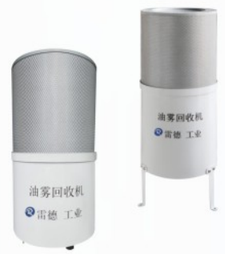
排屑机
Chip Conveyor



电箱空调
Electrical Cabinet Air Conditioner



中心出水
Through-Spindle Coolant



油雾收集器
Mist Collector



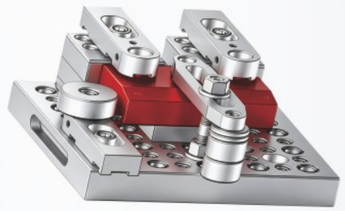
工件测头
Workpiece Probe



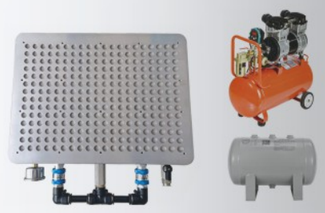
对刀仪
Tool Setter



定制角度头
Custom Angle Head



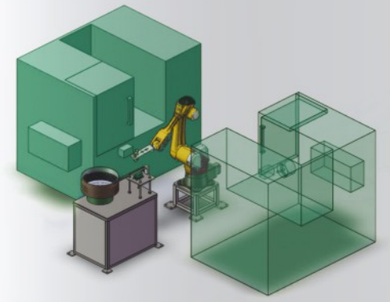
定制夹具
Custom Fixture

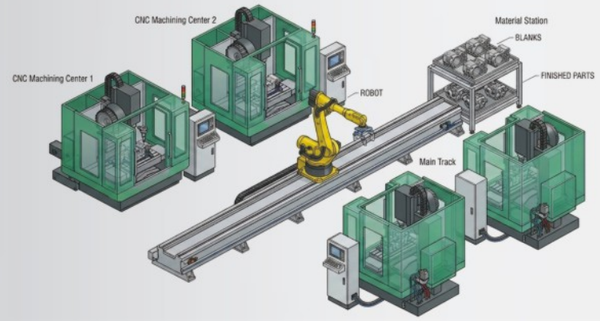


真空吸盘工作台
Vacuum Worktable

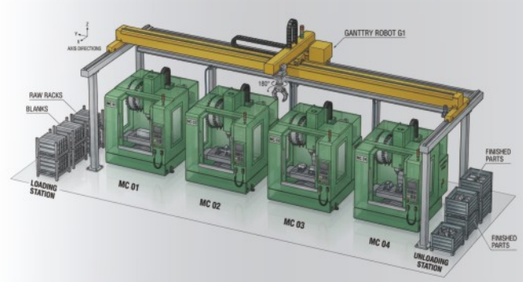
自动化配套方案
SUPPORTING AUTOMATION SOLUTION

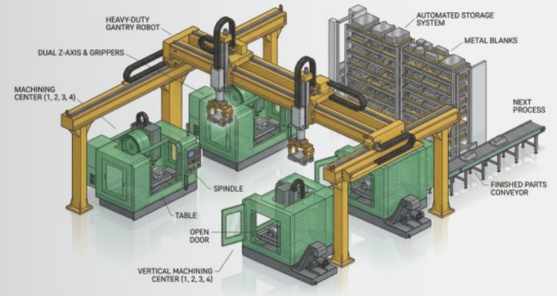
■ 工业机械手上下料 - Industrial Robot Arm Loading/Unloading





■ 桁架机械手上下料 - Gantry Robot Loading/Unloading





■ 大型自动化产线定制 - Custom Large-Scale Automated Production Line

