



民族英雄郑成功的故乡—南安



福建成功机床有限公司
FUJIAN CHENGGONG MACHINE TOOL CO., LTD.

Agency Contact:

Wenzhou Maiouke Electromechanical Equipment Co., Ltd.

Tel/Fax: +86-577 88131332

Mob: +86-13968837667 (whatsapp)

G.M.: Yunwei Zheng

Mail: sales@mokmachinery.com

Web: www.mokmachinery.com



成功机床
CHENGGONG MACHINE TOOL



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C 公司简介 company brief introduction

福建成功机床有限公司创建于1995年，企业长期保持“以人为本，保质保量，诚信经营”的宗旨，做到“与时俱进，不断创新”的理念。公司座落于历史悠久、海上丝绸之路的文化古城，民族英雄郑成功的故乡、东亚文化之都-中国泉州。

目前企业规模：占地面积250亩，年生产合金铸铁件能力3万吨。具有各种机械加工重型设备：进口五面体数控龙门镗铣床、进口数控龙门导轨磨床、落地镗铣床、滚齿机等，以及高精度检测设备包括三坐标测量仪、激光干涉仪等先进的检测手段，造就高端机床产品。

公司主要产品：专业生产单、双柱数控立式车床系列产品，卧式镗铣床等系列产品。特别是本公司推出的立式车床系列产品，在研发与创新方面，经国内外专家认证，部分产品达到行业领先水平，从而使立式车床系列产品在市场获得更高的赞誉。

官方网址：www.cgjx.com.cn

Fujian Chenggong Machine Tool Co., Ltd. was founded in 1995. It holds the tenet of "people oriented, quality and quantity assurance, managing with good faith" chronically, achieving the idea of "advance with the times, create continually". The company situates in East Asian Culture Capital-China Quanzhou. Quanzhou as an old cultural city is time-honored and was a Maritime Silk Road, also it is the hometown of the national hero Zheng ChengGong.

Enterprise scale: our industrial park covers an area of 250 acres, the annual production of alloy iron castings more than 30000 tons. With all kinds of heavy processing equipment such as: imported pentahedron cnc gantry boring and milling machine, imported cnc gantry guideway grinder, floor type boring and milling machine, gear hobbing machine, etc, also have high precision inspection equipment including Three-coordinate measuring machine, laser interferometer etc. advanced detection methods, creating high-end machine tools.

Our major products: Professional production single column & double column CNC vertical turning lathes series, horizontal boring and milling machine series. In terms of development and innovation, especially the series of vertical turning lathe through the certification of home and abroad expert. Our products realize the industry leading level, it brings the higher recognition and honor in the market.





◆ CV32-CV80 系列数控立车
CV32-CV80 CNC Vertical Lathe

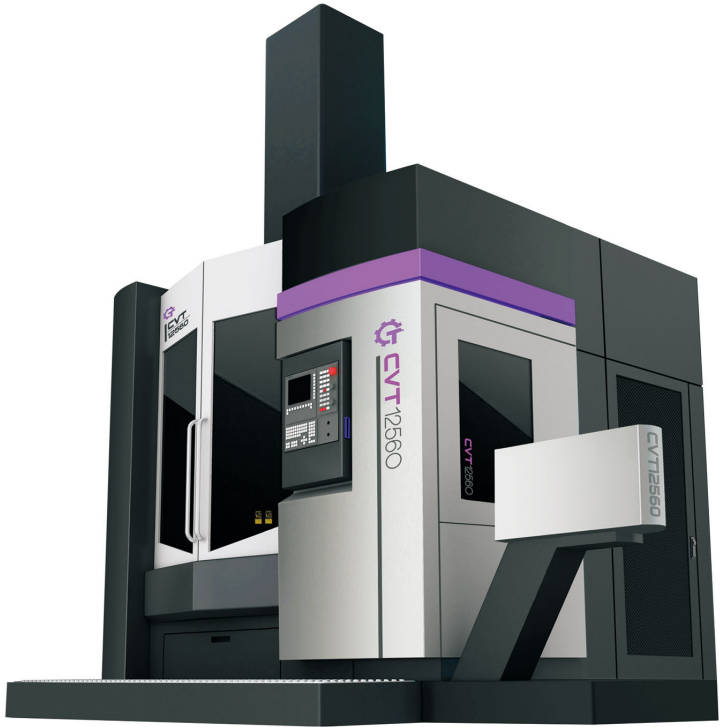
◆ 产品特点:

- CV32-CV80系列数控立车具有当代同类产品的优点，机电液一体化结构。机床具有高转速、大扭矩、高刚性等特点。主要部件全部采用国内外知名品牌产品，具有高可靠性和高耐用性。该机床经济、高效、节能，是复杂的盘类、壳类及汽配零件、短轴类零件加工的首选，该机床可完成各种螺纹、圆弧及回转体的内外曲面、端面、沟槽零件的加工。
- CV32-CV80 CNC Vertical Lathe series products with the advantages of contemporary, Mechanical and electro-hydraulic integrated structure. Machine with high speed, high torque, high rigidity and so on. Main parts used in all domestic and foreign well-known brand products, with high reliability and high durability. The machine is economy, efficiency, energy saving, it is the first choice by a complex disk class, crustaceans and short-axis machining part, the machine can finish a variety of threads, circular and rotary inside and outside the body surface, face, groove parts processing.

◆ 主要技术参数 / Technical parameter

参数名称 Specification		单位 Unit	型号 Model			
			CV3250	CV5060	CV6070	CV8080
加工能力 Working capacity	最大回转直径 Max. swing diameter	mm	500	700	800	1000
	最大车削直径 Max. turning diameter	mm	450	600	700	800
	最大工件高度 Max. height of workpiece	mm	500	600	700	800
主轴 Spindle	转速范围 Speed range	r/min	50-2000	20-1500	20-1000	20-800
	卡盘直径 Diameter of chuck	mm	12" (305)	15" (380)	21" (530)	24" (610)
	主轴端部型号 Spindle nose type		A2-8	A2-8	A2-11	A2-11
	主轴轴承(前端) Spindle bearing(front)	mm	180	260	260	260
X/Z	X轴行程 X axis travel	mm	-40; +250	-40; +350	-40; +500	-40; +550
	Z轴行程 Z axis travel	mm	500	600	700	800
	X轴快速移动 X axis rapid moving	m/min	20	15	15	10 (硬轨) box way type
	Z轴快速移动 Z axis rapid moving	m/min	20	15	15	10 (硬轨) box way type
电机输出功率 Moter power	主轴电机(额定/30min) Spindle motor (rated/30min)	kw	AC22	AC30	AC37	AC37
	X轴伺服电机 X-axis servo motor	N.m	15	18	18	22
	Z轴伺服电机 Z-axis servo motor	N.m	15	18	18	22
刀架 Tool holder	刀架形式 Tool holder type		卧式8工位 horizontal 8 station	卧式8工位 horizontal 8 station	卧式8工位 horizontal 8 station	卧式8工位 horizontal 8 station
	外圆刀具尺寸 Cylindrical cutter size	mm	25X25	25X25	32X32	32X32
	镗孔刀具尺寸 Boring cutter Size	mm	40	50	50	50
精度 Accuracy	加工精度 Processing accuracy		IT6-IT7	IT6-IT7	IT6-IT7	IT6-IT7
	X/Z定位精度 X/Z positioning accuracy	mm	0.018/0.02	0.018/0.02	0.018/0.02	0.018/0.02
	X/Z重复定位精度 X/Z repeat positioning accuracy	mm	0.0075/0.01	0.0075/0.01	0.0075/0.01	0.0075/0.01
机床外形尺寸 (长×宽×高) Overall dimensions of machine(L×W×H)		mm	2900X1850 X2950	3500X3500 X3250	4000X4000 X3450	4000X4200 X3500
系统 System	CNC装置型号 CNC device model		SIEMENS 828D/FANUC-OiMate-TF (可根据客户需求选配)			
机床总重量 Total weight		kg	6200	8900	11800	13800

本公司对产品随时在进行研究改进，因此保有随时更改设计、规格、尺寸及机械结构之权利。
The company keeps improving its products. It has the right to change the design, specification dimension and structure of the machines without prior notice.



◆ CVT8050-NC / CVT12560-NC 数控立式车床
CVT8050-NC / CVT12560-NC CNC Vertical lathe machine

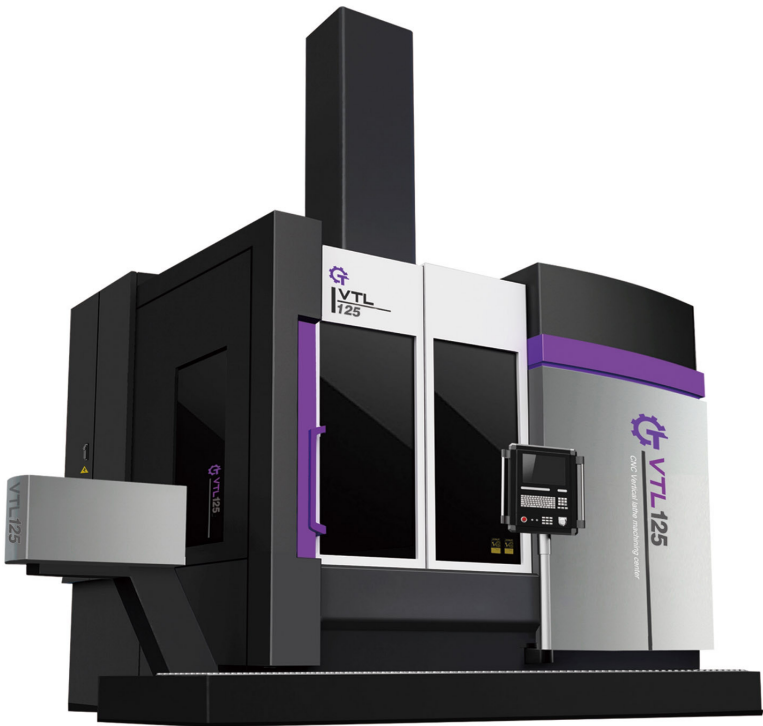
◆ 产品特点：

- 本系列机床是我厂全新设计的800以上规格的数控机床，本机床是为适应工程机械、针织圆盘机、电机行业配件加工而设计开发的数控立式车床。工件夹紧方式采用液压自动夹紧或手动夹紧方式，便于客户选配。该机床主要部件由主轴、底座、桥式横梁、刀架等结构组成。机床具有高转速、大扭矩、高刚性等优点，该机床经济、高效、节能，是各机械行业复杂盘类、短轴零件加工的首选。
- This series of machine is the newly designed CNC machine tools from our factory, which are above the 800 specification. It is developed with dedication to adapt to engineering machinery, circular knitting machine, motor parts machining. The work pieces adopt hydraulic and automatic clamping or manual clamping, which is easy for users. This Lathe is mainly made up of spindle, base, bridge beam, tool rest, etc. and has advantages of high rotation speed, large torque and high rigidity. Being economical, high-efficient and energy-saving, It becomes the first choice for complex plates and short axis parts machining in each machinery industry.

◆ 主要技术参数 / Technical parameter

项目Item		单位Unit	型号 model	
			CVT8050-NC	CVT12560-NC
加工能力 processing capacity	最大回转直径 Max. swing diameter	mm	1000	1250
	最大车削直径 Max. turning diameter	mm	800	1250
	最大工件高度 Max. height of workpiece	mm	500	600(可选700)
主轴 Spindle	转速范围 Speed range	r/min	10-600	10-400(两段无级) two blocks stepless
	卡盘直径 Diameter of chuck	mm	630(可选配液压器卡盘) can choose hydraulic chuck	1000(手动4爪) manual 4 jaw
	主轴端部型号 Spindle nose type		A2-11	
	主轴轴承(前端) Spindle bearing (front)	mm	260	609. 6
X/Z	X轴行程 X axis travel	mm	-50、+500	-50、+700
	Z轴行程 Z axis travel	mm	500	600
	X轴快速移动 X axis rapid moving	m/min	12	12
	Z轴快速移动 Z axis rapid moving	m/min	8	8
电机输出功率 Motor power	主轴电机（额定/30min） Spindle motor (rated/30min)	kW	30	22
	X轴伺服电机 X-axis servo motor	kW	3.5	3.5
	Z轴伺服电机 Z-axis servo motor	N.m	18	18
刀架 Tool holder	刀架形式 Tool holder type	工位	4工位 (可选5工位及八方滑枕)	4工位 (可选5工位及八方滑枕)
	刀具尺寸 Cylindrical cutter size	mm	32x32	32x32
	加工精度 Machining accuracy		IT6	IT6
	X/Z定位精度 X/Z positioning accuracy	mm	0.018/0.02	0.018/0.02
	X/Z重复定位精度 X/Z repeat positioning accuracy	mm	0.0075/0.01	0.0075/0.01
系统 System	CNC装置型号 CNC device model		SIEMENS 828D 或GSK980TDc	SIEMENS 828D 或GSK980TDc
机床重量 Weight	机床总重量 Total weight	kg	6800	9800
机床外形尺寸（长×宽×高） Overall dimensions of machine(L×W×H)		mm	3000x2800x3600	3200x2800x3600

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◆ VTL 数控立式车床系列：125、160、200、250
VTL CNC Vertical Lathe Machine Series: 125、160、200、250

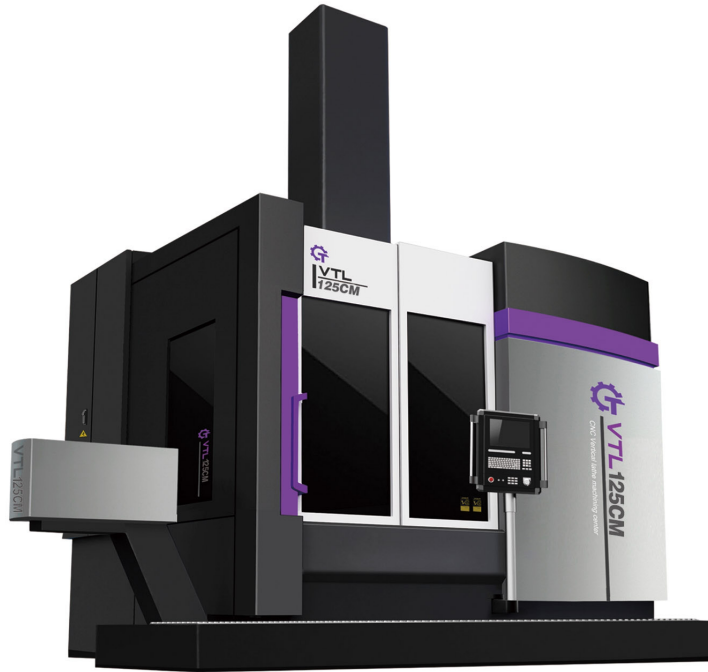
◆ 产品特点：

- VTL 数控立式车床是我公司根据市场需求，攻克关键工艺技术。进行全新机床结构设计、工艺攻关，机床调试等工作，开发设计的动梁式单柱数控立式车床。
- 该机床数控系统、主要电气件、主要轴承、滚珠丝杠、主要液压件等关键配套件均选用国内外名牌厂家产品。
- 成熟技术的引进，可靠进口配套件的选用，以及我厂先进的加工、检测手段，确保机床有高的加工精度、高的刚性、高的可靠性，并且具有布局合理、操作方便、自动化程度高等特点。机床可配有机内对刀装置，可以实现自动换刀装置，自动化加工，提高加工质量、降低运转成本。
- 该机床适用于发电、造船、冶金、矿山等行业的大型零件加工。
- VTL CNC vertical lathe machine is our new design product for the market demand for solving the key processing technology. It is moving beam single column CNC vertical lathe with new structure design, technology research, machine debugging etc.
- The main parts use the China and foreign famous brand like the CNC control system, main electric parts, main bearings, ball screw, main hydraulic parts etc.
- The introduction of mature technology, reliable selection of imported fittings, and our advanced processing, testing ways, to ensure that the machine has high machining accuracy, high rigidity, high reliability, and have a feature of rational layout, convenient operation, high automation degree etc. Machine can match organic to tool device, can realize automatic tool change device, automated processing, improve the processing quality, and reduce operating costs.
- The machine is suitable for power generation, shipbuilding, metallurgy, mining and other industries of large parts processing.

◆ 主要技术参数 / Technical parameter

参数名称 Specification		单位 Unit	型号 Model			
			VTL125/125A	VTL160/160A	VTL200/200A	VTL250/250A
加工能力 Processing capacity	工作台直径 Work table diameter	mm	1000	1400	1600	2000
	最大回转直径 Max.swing diameter	mm	1250	1600	2000	2500
	最大车削直径 Max.turning diameter	mm	1250	1600	2000	2500
	最大工件高度 Max.height of workpiece	mm	1000	1400/1200	1400/1200	2000/2000
	最大加工工件重量 Max.weight of workpiece	kg	4000	8000	10000	16000
	工作台最大扭矩 Max.torque of worktable	N.m	12500	17500	25000	28000
精度 Accuracy	加工精度 Processing accuracy		IT6-IT7	IT6-IT7	IT6-IT7	IT6-IT7
	X/Z定位精度 X/Z position accuracy	mm	0.018/0.020	0.018/0.020	0.018/0.020	0.02/0.020
	X/Z重复定位精度 X/Z repeat position accuracy	mm	0.008/0.01	0.008/0.01	0.008/0.01	0.01/0.01
	主轴转速范围 Spindle speed range	r/min	1-350	1-300	1-250	1-200
主齿轮箱 Main gear box	工作台速度变换挡位 Work table speed change block		无极(两挡) stepless with two blocks			
	30分钟额定值 30mins rated	kW	22	30	45	55
主电机输出功率 Main motor output power	连续额定值 Continuous rated	kW	18	26	37	45
	滑枕体截面尺寸 Ram section size	mm	T形滑枕/口220X220			
滑枕 Ram	X轴行程 X axis travel	mm	-200 ~ +700	-200 ~ +950	-200 ~ +1150	-200 ~ +2000
	Z轴行程 Z axis travel	mm	800/900	800/900	800/900	800/1200
	切削进给速度 Cutting feeding speed	mm/rev	0.01-50	0.01-50	0.01-50	0.01-50
进给速度 Feeding speed	快速进给速度 Fast feeding speed	mm/min	8000	8000	8000	8000
	横梁升降挡位间距 Beam lifting gear distance	mm	3x200	4x200	4x250	4x250
刀库 Tool changer	工位 Station		4/12	4/12	4/12	4/12
	车刀刀杆尺寸 Turning tool bar size	mm	32 × 32	32 × 32	40 × 40	40 × 40
总电源 Total power	电压 Voltage	V	AC380	AC380	AC380	AC380
	电压波动范围 Voltage wave range		-10 ~ +10	-10 ~ +10	-10 ~ +10	-10 ~ +10
	频率 Frequency	Hz	50	50	50	50
	总电源功率 Total power	kW	50	68	75	95
系统 System	CNC装置型号 CNC device model		SIEMENS 828D (可根据客户要求选配)	SIEMENS 828D (可根据客户要求选配)	SIEMENS 828D (可根据客户要求选配)	SIEMENS 828D (可根据客户要求选配)
机床重量 Machine weight		kg	18250	22500	25500	47000
机床外形尺寸 (长 × 宽 × 高) Overall dimensions of machine(L×W×H)		mm	5400x3950x4250	6400x4950x5250	7150x5250x5300	7800x6200x7350

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◆ VTL-CM 数控立式车铣中心系列：160、200、250
VTL-CM CNC Vertical Turning Milling Center Series: 160、200、250

◆ 产品特点：

- VTL-CM系列动梁立式车铣中心是我公司根据市场需求，攻克关键工艺技术，进行全新机床结构设计、工艺攻关，机床调试等工作开发设计的定梁双柱立式车铣中心。机床采用主机全防护，机、电、液集中布局的结构形式。主要由床身、刀架X、Z向移动及工作台C轴旋转、铣轴B、操纵台、自动排屑器、温度控制装置、自动润滑、液压系统、刀库、防护、电控系统及电控箱等部件组成。
- 该机床数控系统、主要电气件、主要轴承、滚珠丝杠、主要液压件等关键配套件均选用国内外名牌厂家产品。
- 成熟技术的引进，可靠进口配套件的选用，以及我厂先进的加工、检测手段，确保机床有高的加工精度、高的刚性、高的可靠性，并且具有布局合理、操作方便、自动化程度高等特点。可以实现自动换刀装置，自动化加工，提高加工质量、降低运转成本。
- 该机床适用于发电、造船、冶金、矿山等行业的大型零件加工。
- VTL-CM series moving beam vertical turning milling center is our company according to the market demand, solving key processing technology, a new machine tool structure design, technology research, machine debugging work such as designing fix beam double column vertical milling center. Machine using the host protection, the structure of machine, electricity, liquid concentration layout. It is mainly composed of lathe bed, rest X, Z to move and workbench rotation with C axis, milling shaft B, operation table, automatic chip removal device, temperature control device, automatic lubrication, hydraulic system, tool changer, protection, electronic control system and electric control parts.
- The machine numerical control system, the main electric parts, main bearing, ball screw, hydraulic parts and other key parts were picked from the domestic and foreign famous brand manufacturers products.
- Introduction of mature technology, reliable selection of imported fittings, and our advanced processing, testing ways, to ensure that the machine has high machining accuracy, high rigidity, high reliability, and a rational layout, convenient operation, high automation degree, etc. Can realize automatic tool change device, automatic processing, improve the processing quality, reduce operating costs.
- The machine is suitable for power generation, shipbuilding, metallurgy, mining and other industries of large parts processing.

◆ 主要技术参数 / Technical parameter

参数名称 Specification	单位 Unit	型号 Model		
		VTL160CM	VTL200CM	VTL250CM
加工能力 Processing capacity	工作台直径 Work table diameter	1400	1600	2000
	最大回转直径 Max. swing diameter	1600	2000	2500
	最大车削直径 Max. turning diameter	1600	2000	2500
	最大工件高度 Max. height of workpiece	1200	1200	2000
	最大加工工件重量 Max. weight of workpiece	5000	8000	12000
	工作台最大扭矩 Max. torque of work table	17500	25000	28000
精度 Accuracy	加工精度 Processing accuracy	IT6-IT7	IT6-IT7	IT6-IT7
	X/Z 定位精度 X/Z position accuracy	mm 0.018/0.020	0.018/0.020	0.018/0.020
	X/Z 重复定位精度 X/Z repeat position accuracy	mm 0.008/0.01	0.008/0.01	0.01/0.01
	C轴定位精度 C axis position accuracy	sec ± 3"	± 3"	± 3"
	C轴重复定位精度 C axis repeat position accuracy	sec 3"	3"	3"
车削主轴 Turning spindle	主轴转速范围 Spindle speed range	r/min 1-300	1-250	1-200
	工作台速度变换档位 Work table speed change block	无极(两挡) stepless with two blocks	无极(两挡) stepless with two blocks	无极(两挡) stepless with two blocks
	C轴转速 C axis speed	rpm 0.01-7.0	0.01-6.0	0.01-5.0
车削主电机输出功率 Main motor output power	30分钟额定值 30 mins rated	kW 30	45	55
	连续额定值 Continuous rated	kW 26	37	45
车削最大切削力 Turning max. cutting force		kN 25	25	30
铣轴 Milling shaft	最高转速 Max. speed	rpm 2250	2250	2250
	铣削电机功率 Motor power	kW AC11/15	AC11/15	AC11/15
滑枕 Ram	滑枕截面尺寸 Ram section size	mm □ 220X220	□ 250X250	□ 250X250
	X轴行程 X axis travel	mm -200 ~ +950	-200 ~ +1150	-200 ~ +2000
	Z轴行程 Z axis travel	mm 900	900	1200
进给速度 Feeding speed	切削进给速度 Cutting feeding speed	mm/rev 0.01-50	0.01-50	0.01-50
	快速进给速度 Rapid feeding speed	mm/min 8000	8000	8000
横梁行程 Beam travel	横梁行程 Beam travel	mm 800	800	1000
	横梁升降挡位间距 Beam lifting gear distance	mm 4x200	4x200	4x250
ATC刀库 ATC Tool changer	刀库刀架容量 Tool capacity	16	16	16
	车刀刀杆尺寸 Turning tool bar size	mm 32 × 32	32 × 32	40 × 40
总电源 Total power	电压 Voltage	V AC380	AC380	AC380
	电压波动范围 Voltage wave range	- 10 ~ + 10	- 10 ~ + 10	- 10 ~ + 10
	频率 Frequency	Hz 50	50	50
	总电源功率 Total power	kW 68	75	95
系统 System	CNC装置型号 CNC device model	SIEMENS840DsL	SIEMENS840DsL	SIEMENS840DsL
机床重量 Machine weight		kg 25100	28200	49000
机床外形尺寸 (长 × 宽 × 高) Overall dimensions of machine(L×W×H)		mm 7000x4900x5600	7500x5300x5800	7800x6500x7350

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◆ CK5112G / CK5116G / CK5116D / CK5120D 单柱数控立式车床系列
CK5112G / CK5116G / CK5116D / CK5120D Single-column CNC vertical lathe series

◆产品特点：

- 本系列机床为数控立式车床，针对高精度、高稳定性、高刚性而设计，适用于硬质合金及高速钢等刀具，对黑色金属、有色金属及部分非金属材料零件的车削加工，该机床适用于各种复杂回转曲面的粗、精加工，同时还可进行切槽、镗孔、螺纹等加工。
- 本机床主体结构为单柱式，工作台导轨采用滚动导轨，进给系统由交流伺服电机驱动滚珠丝杠传动，运行精度高。
- 数控系统采用西门子或法那科系统，易操作和编程，该系统具备直线插补、圆弧插补、刀具补偿、间隙补偿、自诊断功能、程序存储、高精度和可靠性，图形轮廓编程（基本图形轮廓图素能够快速方便地建立零件程序），带有图形工艺循（任意轮廓的毛坯加工）等。
- 本机床垂直滑枕结构：T型滑枕带四工位电动刀台。
- This series of machine is cnc vertical lathe, which is designed for high precision, high stability and high rigidity. It applies to the turning for the tools such as hard alloy and high speed steel machine ferrous metal, non-ferrous metal, and part of non-metal parts. This machine tool is suitable for all kinds of rough and finish machining of complicated surface of revolution. It can also finish such kinds of processing as cutting groove, boring, tapping etc.
- The machine structure is single column style. The guide way of its table is slide one with rolling guide. Feeding system is fulfilled by the ball screw and AC servo motor, running with high accuracy.
- The CNC system use Siemens or Fanuc system, which is easy to operate and program. The system has abilities of linear interpolation, arc interpolation, spindle ability, tool ability assistant ability, clearance compensation, self-diagnosis ability, program storage, high speed, high precision and high reliability, graphics contour programming(outline basic graphic element can be quickly and easily build parts program), with graphic process cycle(any contour of workpiece processing)etc.
- Vertical structure ram: T-ram with 4 station electric tools.

◆主要技术参数 / Technical parameter

参数名称 Specification	单位 Unit	型号 model			
		CK5112G	CK5116G	CK5116D	CK5120D
最大车削直径 Max. turning diameter	mm	1250	1600	1600	2000
工作台直径 Table diameter	mm	1000	1400	1400	1600
最大加工高度（H） Max. height of workpiece	mm	1000	1000/1500	800	800
最大工件重量（W） Max. weight of workpiece	kg	5000	8000	5000	8000
工作台转速范围(无级) Speed range of table(stepless)	r/min	6.3-250	5-200	1-250	1-200
刀架进给量范围（无级） Tool holder range of feeds (stepless)	mm/min	0.2-500	0.2-500	0.2-500	0.2-500
垂直刀架滑枕行程 Vertical tool holder ram travel	mm	650	800	800	800
横梁行程 Travel of beam	mm	750	760	定梁 fix beam	定梁 fix beam
刀架快速移动速度 Rapid traverse of tool head	mm/min	8000	8000	8000	8000
刀架水平行程 Horizontal travel of tool head	mm	700	915	915	1500
垂直刀架最大切削力 Max.cutting force of vertical tool head	kN	20	25	25	25
工作台最大扭矩 Max. torque of table	kN.m	13.5	17.5	17.5	25
X/Z 轴进给电机 X/Z axis feed motor	N.m	22	27	27	27
主电机功率 Power of main motor	kW	AC: 22/30	AC: 30/37	AC: 26/30	AC: 37/45
X/Z 定位精度 X/Z Positioning accuracy	mm	0.018/0.02	0.018/0.02	0.018/0.02	0.018/0.02
X/Z 重复定位精度 X/Z Repeat positioning accuracy	mm	0.008/0.015	0.008/0.015	0.008/0.015	0.008/0.015
刀库容量 Tool capacity	刀位	4工位(可选5工位)	4工位(可选5工位)	4工位(可选5工位)	4工位(可选5工位)
数控系统 CNC system		SIEMENS 828D (可根据客户要求选配)			
机床重量 Weight of machine	kg	10780	12780	19500	22500
机床外形尺寸（长×宽×高） Overall dimensions of machine(L×W×H)	mm	3000x2800x3200	3200x3000x3200	4000x3500x3900	4500x3500x3900

本公司对产品随时在进行研究改进，因此保有随时更改设计、规格、尺寸及机械结构之权利。
The company keeps improving its products. It has the right to change the design, specification dimension and structure of the machines without prior notice.



◆CK5116D-M / CK5120D-M 数控立式车磨机床系列
CK5116D-M / CK5120D-M CNC vertical turning grinding machine series

◆产品特点:

- 该机床是将车削与磨削复合到一台机床上的复合机床。机床为定梁式单立柱数控双刀架立式车床，机床由旋转工作台、变速机构、一体式立柱、横梁、左右刀架、控制系统、独立液压控制系统组成。左刀架为磨头刀架，右刀架为数控车削刀架。该车磨复合机床的加工对象为盘类零件,包括筒类零件的外锥、内锥的车削与磨削，车削刀架与砂轮架布置在机床的两侧，在加工过程中刀架与砂轮架沿各自导轨横向运动，及垂直向运动。主轴带动工件转动来完成车削与磨削。该机床适用于纺织机械、蝶阀、发电、造船、冶金、矿山等行业的大型零件的加工。
- This machine is a combined machine with turning and grinding job. It is a fixed beam single column CNC double tool holder vertical lathe, machine was composed of rotating table, variable speed mechanism, all-in-one stand column, beam, left and right tool holder, control system, independent hydraulic control system. Left tool holder is grinding head, right tool holder is CNC turning head. It is use for machining disc parts include cylinder parts of outside and inside cone for turning and grinding. Turning tool holder and grinding wheel rack set on two side of machine, during machining tool holder and grinding wheel rack along the respective guide rail transverse movement and vertical movement. Spindle drive with workpiece rotation to finish turning and grinding. This machine is applicable to textile machinery, butterfly valve, power generation, shipbuilding, metallurgy, mining and other industries of large parts of processing.

◆主要技术参数 / Technical parameter

参数名称 Specification	单位 Unit	型号 Model	
		CK5116D-M	CK5120D-M
主参数 Main parameter	工作台直径 Work table diameter	mm	1400
	最大回转直径 Max. swing diameter	mm	1600
	最大车削直径 Max. turning diameter	mm	2100
	最大工件高度 Max. height of workpiece	mm	1600
	最大加工工件重量 Max. weight of workpiece	kg	2000
	工作台最大扭矩 Max. torque of work table	N.m	800
		17500	25000
主齿轮箱 Main gear box	主轴转速范围 Spindle speed range	r/min	1-300
	工作台速度变换挡位 Work table speed change block	档 blocks	两档无极 2 blocks stepless
主电机输出功率 Main motor output power	30分钟额定值 30mins rated	kW	30
	连续额定值 Continuous rated	kW	37
磨削砂轮电机功率 Grinding wheel motor power		kW	26
进给轴电机功率 Feeding axis motor power	X1轴伺服电机 X1 axis servo motor	N.m	5.5
	Z1轴伺服电机 Z1 axis servo motor	N.m	27
	X2轴伺服电机 X2 axis servo motor	N.m	27
	Z2轴伺服电机 Z2 axis servo motor	N.m	27
车削滑枕 Turning ram	滑枕体截面尺寸 Ram section size	mm × mm	320T型滑枕 320 T type ram
	右垂直刀架摆度极限 Right vertical tool holder moving limit		± 20°
	X1轴行程 X1 axis travel	mm	380T型滑枕 380 T type ram
	Z1轴行程 Z1 axis travel	mm	± 20°
磨削滑枕 Grinding ram	滑枕体截面尺寸 Ram section size	mm × mm	-100 ~ +1300
	垂直磨削刀架摆度极限 Vertical grinding tool holder moving limit		-100 ~ +1500
	X2轴行程 X2 axis travel	mm	800
	Z2轴行程 Z2 axis travel	mm	800
	砂轮转速 Grinding wheel speed	r/min	180X180八方滑枕 180X180 Eight square ram
	砂轮直径 Grinding wheel diameter	mm	1500-3000 (无极) 1500-3000 Stepless
	砂轮轴锥孔 Grinding wheel spindle taper hole		1500-3000 (无极) 1500-3000 Stepless
	进给速度 Feeding speed	mm/min	Max.300
刀库 Tool changer	切削进给速度 Cutting feeding speed	mm/min	1:5
	快速进给速度 Rapid feeding speed	mm/min	4工位(可选5工位)
重量 Weight	电动刀塔工位 Electrical tool turret		4工位(可选5工位)
	车刀刀杆尺寸 Turning tool bar size	mm × mm	32X32
系统 System	机床总重量 (约) Machine weight (about)	Kg	40 × 40
机床外型 Machine size	CNC装置型号 CNC device model		SIEMENS828D
	长 × 宽 × 高 LxWxH	mm	SIEMENS828D
			4000X3500X3900
			4500X3500X3900

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◆ SCVT双柱数控单刀架立式车床系列280、350、400
SCVT Double column cnc single tool holder vertical
lathe machine series 280、350、400

◆产品特点:

- 本系列机床用于硬质合金及陶瓷等刀具，对黑色金属及部分非金属零件的内、外圆柱面、内外圆锥面、端面、切槽、镗孔及回转曲面等工序进行粗、精车削加工。
- 机床的主传动由直流电机驱动，经过两档主轴变速机构，实现工作台的变速范围。
- 机床由左、右立柱、连接梁、横梁、工作台底座等部件框架式结构，结构刚性强、承载负荷大，横梁夹紧机构为多工位液压锁紧装置，其工作稳定可靠。
- 机床的进给刀架，采用数控单刀架结构。机床刀架滑座水平运动X轴、滑枕垂直移动Z轴两轴均采用伺服电机驱动，经高精度定比齿轮副传动滚珠丝杠，实现刀架进给和快速移动。
- 工作台为热对称结构。工作台主轴采用高精度可调节向间隙双列短圆柱滚子轴承定心。轴向采用恒流静压导轨，并配置油温冷却装置，使工作台具有旋转精度高，承载能力大，热变形小的特点。
- 垂直刀架水平导轨有静压卸荷导轨、滚滑复合导轨、滑动导轨。滑枕垂直运动为滑动导轨。
- This series of machine used in hard alloy and ceramic cutting tool, it is processing for the black metals and some non-metallic parts within the outer cylinder inside and outside, the cone surface, face, groove, boring and rotary surface coarse fine turning.
- Machine tool main drive, driven by a DC motor through two spindle speed change mechanism, realizes the workbench's speed range.
- The machine is connected by left and right column, connect beam, beam, workbench base etc parts, it has strong rigidity structure, high load bearing, beam clamping mechanism hydraulic locking device for multiple station, it has stable and reliable work.
- Machine feed tool post using the cnc single tool holder structure. Machine tool rest slide motion level X axis, vertical ram moving Z axis. Both two axis adopt servo motor drive, through the high precision ball screw transmission ratio gear set, realize the tool rest feeding and rapid moving.
- Workbench use thermal symmetric structure. Workbench main shaft adopt high precision adjustable double row short cylindrical roller bearing radial clearance centering. Axial using constant current static pressure guide rail, and device with the oil temperature, make workbench has high rotating accuracy, large bearing capacity, and small thermal deformation.
- Vertical tool rest horizontal guide rail has static pressure unloading guide, skid composite guide rail, sliding guide rail. vertical ram movement is sliding guide rail.

◆主要技术参数 / Technical parameter

参数名称 Specification	单位 Unit	型号 Model		
		SCVT280 H/W	SCVT350 H/W	SCVT400 H/W
最大加工直径 Max. turning diameter	mm	2800	3500	4000
工作台直径 Table diameter	mm	2400	3150	3150
最大加工高度 (H) Max. height of workpiece	mm	1800 / 2000	2000 / 2800 / 3100	2000 / 2800 / 3100
最大工件重量 (W) Max. weight of workpiece	t	20	32	32
刀架水平行程 Horizontal travel of head	mm	1600	1840	2250
刀架切削力 Cutting force of tool holder	kN	35	35	35
刀架搬度极限 Moving limit of tool holder	± °	± 30°	± 30°	± 30°
工作台最大扭矩 Max. torque of table	kN.m	63	80	80
滑枕截面 Section dimension of ram	mm	220X220	220X220	220X220
滑枕垂直行程 Vertical travel of ram	mm	1250	1250 / 1400	1250 / 1400
主传电动机功率 Power of main motor	kW	DC 55	DC 75	DC 75
工作台转速 (无极) Table speed(stepless)	r/min	0.5~70(两挡)	0.5~60(两挡)	0.5~60(两挡)
刀架快速 Rapid travel of head	mm/min	4000	4000	4000
工作台导轨副 Guideway deputy table		静压 / 滚动 Static pressure / rolling	静压 / 滚动 Static pressure / rolling	静压 / 滚动 Static pressure / rolling
进给电机扭矩 Torque of feed motor	N.m	48	48	48
数控系统 CNC system		SIEMENS828D / FANUC-OiMate-TD (可根据客户需求选配)		
机床重量 Weight of machine	kg	40000	51000	56000

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◆ SCVT双柱数控立式车床系列280、350、400
SCVT Double column CNC vertical lathe series of 280,350,400

◆ 产品特点:

- 本系列机床用于硬质合金及陶瓷等刀具，对黑色金属及部分非金属零件的内、外圆柱面、内外圆锥面、端面、切槽、镗孔及回转曲面等工序进行粗、精车削加工。
 - 机床的主传动由直流电机驱动，经过两档主轴变速机构，实现工作台的变速范围。
 - 机床由左、右立柱、连接梁、横梁、工作台底座等部件框架式结构，结构刚性强、承载负荷大，横梁夹紧机构为多工位液压锁紧装置，其工作稳定可靠。
 - 机床的进给刀架，采用双刀架结构。右刀架为数控刀架，左刀架为程控刀架。机床左右刀架滑座水平运动X、U轴、滑枕垂直移动Z、W轴四轴均采用伺服电机驱动，经高精度定比齿轮副传动滚珠丝杠，实现刀架进给和快速移动。
 - 工作台为热对称结构。工作台主轴采用高精度可调径向间隙双列短圆柱滚子轴承定心。轴向采用恒流静压导轨，并配置油温冷却装置，使工作台具有旋转精度高，承载能力大，热变形小的特点。
 - 垂直刀架水平导轨有静压卸荷导轨、滚滑复合导轨、滑动导轨。滑枕垂直运动为滑动导轨。
 - 数控系统采用西门子或力士乐系统。并可由客户选择其他数控系统。
- This series of machine used in hard alloy and ceramic cutting tool, it is processing for the black metals and some non-metallic parts within the outer cylinder inside and outside, the cone surface, face, groove, boring and rotary surface coarse fine turning.
- Machine main drive, driven by a dc motor through two spindle speed change mechanism, realizes the workbench's speed range
- Machine are connected by left and right column, beam, beam, the components of frame type, such as table base structure strong rigidity, high load bearing, beam clamping mechanism hydraulic locking device for multiple station, its stable and reliable work.
- The machine feeding head adopts double frame structure. Right tool post for numerical control tool rest, left tool post for SPC tool rest About machine tool rest slide horizontal motion X, U axis, vertical ram Z, W axis four axis adopt servo motor drive, the high precision will gears transmission ball screw, realize the rest feed and fast moving.
- Workbench use thermal symmetric structure. workbench main shaft adopt high precision adjustable double row short cylindrical roller bearing radial clearance centering axial using constant current static pressure guide rail, and configure the oil temperature is device, make workbench has high rotating accuracy, bearing capacity is big, small thermal deformation characteristics.
- Vertical tool rest horizontal guide rail oil static pressure unloading guide, skid composite guide rail, sliding guide rail For vertical ram movement sliding guide rail.
- The numerical control system adopts Siemens or Rexroth system. Customer also can choose other system.

◆ 主要技术参数 / Technical parameter

参数名称 Specification	单位 Unit	型号 Model		
		SCVT280 H/W	SCVT350 H/W	SCVT400 H/W
最大加工直径 Max. turning diameter	mm	2800	3500	4000
工作台直径 Table diameter	mm	2400	3150	3150
最大加工高度 (H) Max. height of workpiece	mm	1800 / 2000	2000 / 2800	2000 / 2800
最大工件重量 (W) Max. weight of workpiece	t	16	32	32
刀架水平行程 Horizontal travel of head	mm	1600	1840	2250
右刀架切削力 Cutting force of right head	kN	35	35	35
左刀架切削力 Cutting force of left head	kN	30	30	30
左右刀架搬动极限 L&R tool holder move degree limit	± °	± 30°	± 30°	± 30°
工作台最大扭矩 Max. torque of table	kN.m	63	80	80
滑枕截面 Ram section size	mm	220X220	220X220	220X220
滑枕垂直行程 Ram vertical travel	mm	1250	1250 / 1400	1250 / 1400
主传电动机功率 Power of main motor	kW	DC 55	DC 75	DC 75
工作台转速 Speed range of table	r/min	0.5~70(两挡)	0.5~60(两挡)	0.5~60(两挡)
刀架快速 Rapid travel of head	mm/min	4000	4000	4000
工作台导轨副 Guideway deputy table		动压 / 滚动 Dynamic pressure / rolling	静压 / 滚动 Static pressure / rolling	静压 / 滚动 Static pressure / rolling
进给电机扭矩 Torque of feed motor	N.m	48	48	48
数控系统 CNC system		SIEMENS828D		
机床重量 Weight of machine	kg	45000	52000	62000

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◆ SCVT双柱数控立式车床系列500、630
SCVT Double column CNC vertical lathe series of 500,630

◆产品特点:

- 本系列机床用于硬质合金及陶瓷等刀具，对黑色金属及部分非金属零件的内、外圆柱面、内外圆锥面、端面、切槽镗孔及回转曲面等工序进行粗、精车削加工。
- 机床的主传动由直流电机驱动，经过两档主轴变速机构，实现工作台的变速范围。
- 机床由左、右立柱、连接梁、横梁、工作台底座、等部件框架式结构，结构刚性强、承载负荷大，横梁夹紧机构为多工位液压锁紧装置，其工作稳定可靠。
- 机床的进给刀架，采用双刀架结构。右刀架为数控刀架，左刀架为程控刀架。机床左右刀架滑座水平运动 X、U 轴、滑枕垂直移动 Z、W 轴四轴均采用伺服电机驱动，经高精度定比齿轮副传动滚珠丝杆，实现刀架进给和快速移动。
- 工作台为热对称结构。工作台主轴采用高精度可调节向间隙双列短圆柱滚子轴承定心。轴向采用恒流静压导轨，并配置油温冷却装置，使工作台具有旋转精度高，承载能力大，热变形小的特点。
- 垂直刀架水平导轨有静压卸荷导轨、滚滑复合导轨、滑动导轨。滑枕垂直运动为滑动导轨。
- 数控系统采用西门子或力士乐系统。并可由客户选择其他数控系统。

- This series of machine used in hard alloy and ceramic cutting tool, it is processing for the black metals and some non-metallic parts within the outer cylinder Inside and outside, the cone surface, face, groove, boring and rotary surface coarse fine turning.
- Machine main drive, driven by a dc motor through two spindle speed change mechanism, realizes the workbench's speed range
- Machine are connected by left and right column, beam, beam, the components of frame type, such as table base structure strong rigidity, high load bearing, beam clamping mechanism hydraulic locking device for multiple station, its stable and reliable work.
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- Workbench use thermal symmetric structure. workbench main shaft adopt high precision adjustable double row short cylindrical roller bearing radial clearance centering axial using constant current static pressure guide rail, and configure the oil temperature is device, make workbench has high rotating accuracy, bearing capacity is big, small thermal deformation characteristics.
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- The numerical control system adopts Siemens or Rexroth system. Customer also can choose other system.

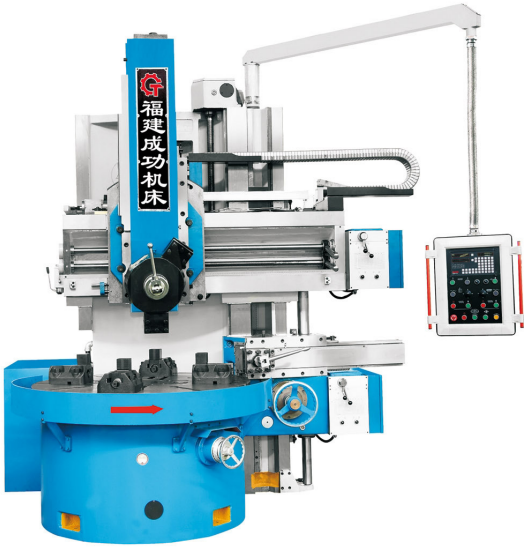
◆主要技术参数 / Technical parameter

参数名称 Specification	单位 Unit	型号 Model	
		SCVT500 H/W	SCVT630 H/W
最大加工直径 Max. turning diameter	mm	5000	6300
工作台直径 Table diameter	mm	4500	4500
最大加工高度 (H) Max. height of workpiece	mm	2800 / 3150	2800 / 3150
最大工件重量 (W) Max. weight of workpiece	t	40	40
刀架水平行程 Horizontal travel of head	mm	2765	3350
右刀架切削力 Cutting force of right head	kN	40	40
左刀架切削力 Cutting force of left head	kN	35	35
左右刀架搬度极限 L&R tool holder move degree limit	± °	± 30°	± 30°
工作台最大扭矩 Max. torque of table	kN.m	80	80
滑枕截面 Ram section size	mm	240 × 240	240 × 240
滑枕垂直行程 Vertical travel of ram	mm	1400 / 1600	1400 / 1600
主传动电机功率 Power of main motor	kW	DC 75	DC 75
工作台转速 Speed range of table	r/min	0.5~50(两挡)	0.5 ~ 50(两挡)
刀架快速 Rapid travel of head	mm/min	4000	4000
工作台导轨副 Guideway deputy table		静压 / Static pressure	静压 / Static pressure
进给电机扭矩 Torque of feed motor	N.m	48	48
数控系统 CNC system		SIEMENS	
机床重量 Weight of machine	kg	98000	108000

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◆ C5112E 单柱立式车床系列
C5112E Single-column vertical lathe series



◆ C5116E 单柱立式车床系列
C5116E Single-column vertical lathe series

◆ 产品特点:

- 本系列机床适用于各行业的机械加工，可用于内外圆柱面、圆锥面、端面、切槽的粗、精车削加工。
 - 工作台采用动压导轨，主轴径向采用NN30型双列圆柱滚子轴承，因而工作台承载能力大、回转精度高。
 - 垂直刀架装有五角刀台，侧刀架装有四方刀台，两刀架均采用液压平衡。
 - 机床电气采用PLC控制，并配有数显装置，可靠性更高。
 - 机床造型美观、宜人性好、操作方便。
 - 按特殊要求提供侧刀架、车锥度附件。
-
- This series of machine is used for various rough and finish turnings including internal and external cylindrical surface, conical surface, end face and grooving.
 - The work table uses dynamical pressure slide-way and NN30 dual cylinder roller bearing. It has features of high bearing capacity and revolving precision.
 - Pentagonal tool slide is set on the vertical tool head, square tool slide is set on the side tool head. Both tool heads are balanced hydraulically.
 - The machine is controlled by PLC. With the DRO, with high reliability.
 - The machine has good shape and easy to operate.
 - The side tool head and the taper accessories are provided according to special demands.

◆ 主要技术参数 / Technical parameter

参数名称 Specification	单位 Unit	型号 Model		
		C5112E	C5116E	C5117E
最大车削直径 Max. turning diameter	mm	1250	1600	1700
工作台直径 Table diameter	mm	1000	1400	1400
最大加工高度 (H) Max. height of workpiece	mm	1000	1000 / 1500	1000 / 1500
最大工件重量 (W) Max. weight of workpiece	kg	4000	5000	5000
工作台转速范围(16级) Speed range of table(16steps)	r/min	6.3-200	5-160	5-160
刀架进给范围 (12级) Tool holder range of feeds(12steps)	mm	0.8-86	0.8-86	0.8-86
垂直刀架滑枕行程 Vertical tool holder ram travel	mm	650	800	800
侧刀架滑枕水平行程 Horizontal travel of side tool head	mm	500	630	630
侧刀架垂直行程 Vertical travel of side tool head	mm	980	980	980
侧刀架最大车削直径 Max.turning diameter of side tool head	mm	1000	1400	1400
横梁行程 Travel of beam	mm	750	760 / 1250	760 / 1250
刀架快速移动速度 Rapid traverse of tool head	mm/min	1800	1800	1800
立刀架回转角度 Swivel angle of vertical tool head	±°	30	30	30
垂直刀架最大切削力 Max.cutting force of vertical tool holder	kN	20	25	25
侧刀架最大切削力 Max. cutting force of side head	kN	20	20	20
工作台最大扭矩 Max. torque of table	kN.m	17.5	25	25
刀杆截面高度 Height of tool bar section	mm	40	40	40
主电机功率 Power of main motor	kW	AC:22	AC:30	AC:30
机床外形尺寸 (长×宽×高) Overall dimensions of machine(L×W×H)	mm	2360 × 2300 × 3580	2800x3000x3870	2830x3000x3870
机床重量 Weight of machine(approx)	kg	9800	12580	13480

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◆ C5116E-2 单柱立式车床系列
C5116E-2 Single-column vertical lathe series

◆ 产品特点：

- 本系列机床适用于各行业的机械加工，可用于内外圆柱面、圆锥面、端面、切槽的粗、精车削加工。
 - 工作台采用动压导轨，主轴径向采用NN30型双列圆柱滚子轴承，因而工作台承载能力大、回转精度高。
 - 垂直刀架结构有两种分别为：T型滑枕、八方滑枕。
 - 垂直刀架装有五角刀台，侧刀架装有四方刀台，两刀架均采用液压平衡。
 - 机床电气采用PLC控制，并配有数显装置，可靠性更高。
 - 机床造型美观、宜人性好、操作方便。
 - 按特殊要求提供侧刀架、车锥度附件。
-
- This series of machine is used for various rough and finish turnings including internal and external cylindrical surface, conical surface, end face and grooving.
 - The work table uses dynamical pressure slide-way and NN30 dual cylinder roller bearing. It has features of high bearing capacity and revolving precision.
 - There are two vertical turret structure: T-ram, eight square ram.
 - Pentagonal tool slide is set on the vertical tool head, square tool slide is set on the side tool head.Both tool heads are balanced hydraulically.
 - The machine is controlled by PLC. With the DRO, with high reliability.
 - This machine has good shape and it is easy to operate.
 - The side tool head and the taper accessories are provided according to special demands.

◆ 主要技术参数 / Technical parameter

参数名称 Specification	单位 Unit	型号 Model
		C5116E-2
最大车削直径 Max. turning diameter	mm	1600
工作台直径 Table diameter	mm	1400
最大加工高度 (H) Max. height of workpiece	mm	1500
最大工件重量 (W) Max.weight of workpiece	kg	5000
工作台转速范围(16级) Speed range of table(16steps)	r/min	5-160
刀架进给范围 (12级) Tool holder range of feeds (12steps)	mm	0.8-86
垂直刀架滑枕行程 Vertical tool holder ram travel	mm	1000/1250
侧刀架滑枕水平行程 Horizontal travel of side tool head	mm	630
侧刀架垂直行程 Vertical travel of side tool head	mm	980
侧刀架最大车削直径 Max.turning diameter of side tool head	mm	1400
横梁行程 Travel of beam	mm	1250
刀架快速移动速度 Rapid traverse of tool head	mm/min	1800
立刀架回转角度 Swivel angle of vertical tool head	±°	30
垂直刀架最大切削力 Max.cutting force of vertical tool holder	kN	25
侧刀架最大切削力 Max. cutting force of side head	kN	20
工作台最大扭矩 Max. torque of table	kN.m	25
刀杆截面高度 Height of tool bar section	mm	40
主电机功率 Power of main motor	kW	AC:30
机床外形尺寸 (长×宽×高) Overall dimensions of machine(L×W×H)	mm	2800x3000x3660
机床重量 Weight of machine	kg	14500

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◆ CVT8050-2R 数控立车
CVT 8050-2R CNC Vertical Lathe
轮辋、轮辐、电机外罩等专用机床



◆ CVT12580-2R 数控立车
CVT 12580-2R CNC Vertical Lathe
轮辋、轮辐、电机外罩等专用机床

◆ 产品特点：

- 本系列机床是我厂全新设计的800以上规格的机床，本机床是为适应汽车轮辐和电机外罩加工而设计开发的数控立式车床。本机床采用单主轴、双刀架结构，工件夹紧方式采用专用轮辐夹紧机构。该机床主要部件由主轴、底座、横梁、双刀架等结构组成，机床具有高转速、大扭矩、高刚性、该机床经济、高效、节能，是汽车行业轮辐零件复杂盘类、短轴类零件加工的首选。
- This series of machine is the newly designed CNC machine tools from our factory, which are above the 800 specification. It is developed with dedication to adapt to arm of wheel and motor cover machining. This Lathe is structured with single spindle and double rest. The work pieces are clamped with dedicated arm of wheel clip. This Lathe is mainly made up of spindle, base, beam, double rest, etc. and has characteristics of high rotation speed, large torque and high rigidity. Being economical, high-efficient and energy-saving, It becomes the first choice for complex plates and short axis parts of arm of wheel parts machining in auto industry.

◆ 主要技术参数 / Technical parameter

项目Item		单位Unit	型号 model	
			CVT8050-2R	CVT12580-2R
加工能力 Processing capacity	最大回转直径 Max. swing diameter	mm	1000	1250
	最大车削直径 Max. turning diameter	mm	800	1250
	最大工件高度 Max. height of workpiece	mm	500	800
主轴 Spindle	转速范围 Speed range	r/min	10-600	10-400 (两段无级) 2 blocks stepless
	卡盘直径 Diameter of chuck	mm	630(手动或液压夹紧可选配) Manual/Hydraulic	1000(手动4爪) Manual 4 jaw
	主轴端部型号 Spindle nose type		A2-11	
	主轴轴承(前端) Spindle bearing (front)	mm	260	609.6
X/Z	X1、X2轴行程 Cross slide traverse	mm	-50、+500 50、-500	-50、700 +50、650
	Z1、Z2轴行程 Longitudinal slide traverse	mm	500	600
	X1、X2轴快速移动 Rapid moving	m/min	12	12
	Z1、Z2轴快速移动 Rapid moving	m/min	8	8
电机输出功率 Motor power	主轴电机 (额定/30kW) spindle motor(rated/30kW)	kW	30	22
	X轴伺服电机 X axis servo motor	kW	3.5	3.5
	Z轴伺服电机 Z axis servo motor	N.m	18	18
刀架 Tool carrier	刀架形式 Tool holder type		八方滑枕双刀架 Eight square ram double tool holder	八方滑枕和四工位双刀架 Eight square ram and 4 station double tool holder
	外圆刀刀具尺寸 Cylindrical cutter size	mm	32X32	32X32
精度 Accuracy	加工精度 Machining accuracy		IT6-IT7	IT6-IT7
	X/Z定位精度 X/Z positioning accuracy	mm	0.018/0.020	0.018/0.020
	X/Z重复定位精度 X/Z repeat positioning accuracy	mm	0.0075/0.015	0.0075/0.015
机床外形尺寸 (长×宽×高) Overall dimensions of machine(L×W×H)		mm	3000×2800×3600	3250×3000×3600
机床重量 Weight	机床总重量 Total weight	kg	7200	10200
系统 System	CNC装置型号 CNC device model		SIEMENS 840D 或GSK980Ttc	SIEMENS 840D 或GSK980Ttc

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◆主要技术参数 / Technical parameter

技术规格 Specifications	单位 Unit	型号 Model	
		TX6111T / 1	TX6111T / 2
主轴直径 Spindle diameter	mm	110	110
主轴锥孔 Spindle taper	mm	ISO50#(7:24)	ISO50#(7:24)
主轴转速 Spindle speed	r/min	9-1000(18级)	9-1000(18级)
主电机功率 Power of main drive motor	kW	11	11
主轴最大钻孔直径 Max. drilling capacity of spindle	mm	50	50
主轴最大镗孔直径 Max. boring capacity of spindle	mm	300	300
平旋盘转速 Speed of facing chuck	r/min	6-221	6-221
平旋盘滑块行程 Traverse of facing chuck slide	mm	170	170
平旋盘最大镗孔直径 Max. boring capacity of facing chuck	mm	600	600
工作台尺寸 (长×宽) (L×W) Table size	mm	1200X1100	1200X1100
工作台负载 Table load	kg	2500	4000
工作台横向行程 (X) Transverse travel of table	mm	1200	1600(带辅导轨) with auxiliary rail
工作台垂直行程 (Y) Vertical travel of spindle head	mm	1100	1300
工作台纵向行程 (Z) Longitudinal travel of table	mm	1500	1500
主轴轴向行程 Axial travel of spindle	mm	600	600
主轴每转主轴, 主轴箱、工作台进给量范围 Rotary spindle、spindle box、worktable feeding range	mm/min	12级0.04-6mm/无极	12级0.04-6mm/无极
数显坐标 DRO		X、Y	X、Y
机床外形尺寸(长×宽×高) Overall dimensions of machine(L×W×H)	mm	4900×2250×2950	4900×2850×3150
机床重量 Weight of machine	kg	16000	18000

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◆TX6111T / 1 卧式铣镗床系列
TX6111T / 1 Horizontal milling and boring machine series



◆TX6111T / 2 卧式铣镗床系列
TX6111T / 2 Horizontal milling and boring machine series



◆产品特点:

- TX6111T系列卧式铣镗床系列适用于大、中型零件和箱形件的粗、精镗、铣削等多种工序加工。工作台装有90° 的光学定位装置, 能满足大型箱形件调头加工的要求。床身采用宽型导轨, 结构刚性好, 工作台横向行程大。机床备有机动拉刀装置, 刀具装卸方便。
- TX6111T系列机床测量系统采用直观、可靠的0.005mm的数显装置, 定位精度稳定可靠, 机床采用PLC控制。
- TX6111T series horizontal milling & boring machines are suitable for rough and precision boring, milling in large and medium parts and box-parts. It is equipped with an optical device for positioning 90° in the work table, that can satisfy the turn around processing requirements of the large box-parts. The machine bed use wide guide way, it has good structure rigidity and large cross travel of table. It is equipped with power draw bar which easy for change tools.
- TX6111T series is provided with a DRO and its reading accuracy is 0.005mm, it has reliability position precision. The machine use PLC controller.



◆ XA5756 / XK5756 滑枕铣床系列
XA5756 / XK5756 Ram-Type milling machine series

◆ 用途：

- 数控万能滑枕升降台系列铣床具有很强的数控功能，可加工各种具有复杂轮廓表面、型腔的工件，可作铣、镗、钻等加工。广泛适用于各机械制造业，特别是模具制造业。
- CNC universal ram lifts series milling machine has the advantage of the strong function, can be process various workpieces with complex contour surface and cavity for milling, boring, drilling and other processing. Widely applicable to the machine manufacturing, especially in moulds industry.

◆ 主要性能：

- 采用广州数控GSK990MC数控系统及交流伺服电机。也可配置其它数控系统，如西门子808D等。
- 机床主传动采用11kW 交流伺服主轴电机驱动，通过两档机械变速，两档内能实现无级调速，主轴转速范围广。
- 可实现三轴控制、三轴联动。
- 采用贴塑导轨，耐磨性好。三向进给采用精密滚珠丝杠传动，传动效率高。
- 工作台及三向行程参数大，加工范围广。整机刚性高，承载重量大。
- 采用可调间隙时间的自动集中润滑装置。
- Adopt GSK990MC control system and AC servo motor. Others system also can be choose such as Siemens 808D etc.
- Machine main transmission adopts 11 kW AC servo spindle motor drive, through two mechanical transmission, two gears that can realize stepless speed regulation, spindle speed range widely.
- Control for 3 axis, simultaneous control of 3 axis.
- Adopt pasting model of guide rail, good wear resistance. Three-way feeding with precision ball screw transmission, high transmission efficiency.
- Work table and three-way travel has large parameters, processing range widely. Machine with high rigidity and large carrying weight.
- Adopt automatic lubrication device with adjustable clearance time.

◆ 产品特点：

- 人机会话，菜单选择及后台编辑，编辑功能丰富易学。
- 内存容量大，诊断功能完备，维护方便。
- 具有动态图形显示和图形缩放、图形旋转和比例缩放加工功能。
- Man-machine conversation, menu selection and edit background, full edit function and easy to learn.
- Large memory capacity, complete diagnostic function, easy to maintain.
- With processing function of dynamic graphical display and graphics scaling, rotating and scaling of graphics.

◆ 主要技术参数 / Technical parameter

参数名称 Specification		单位 Unit	型号 Model	
工作台面积 Table size	宽x长 WxL	mm	XA5756 560x1800	XK5756 560x1800
工作台T型槽 Processing capacity	槽数 Slot numbers		5	5
	槽宽 Slot width	mm	18	18
	槽距 Slot distance	mm	80	80
三向行程 Three-way travel	纵向 Longitudinal	mm	1500	1500
	横向 Crosswise	mm	650	650
	垂向 Vertical	mm	470	470
铣头 Milling head	锥度 Taper		7:24	7:24
	大头尺寸 Big head size	mm	Φ69.85	Φ69.85
	主轴端头直径 Spindle end diameter	mm	128.57h5	128.57h5
	铣头回转角度 Milling head rotation angle		前半球任意360° Front Hemisphere 360°	
主轴端面到工作台面的距离 Spindle end to work table distance	最小 Minimum	mm	60	60
	最大 Maximum	mm	530	530
主轴中心线到床身立导轨面的距离 Spindle center line to bed vertical guide rail distance	最小 Minimum	mm	68	68
	最大 Maximum	mm	718	718
主轴转速范围 Spindle rotate speed	I档 I block	r/min	400-1500	400-1500
	II档 II block	r/min	20-400	20-400
工作台、滑枕进给量范围 Work table and ram feeding range	纵向 Longitudinal	mm/min	6-3000	6-3000
	横向 Crosswise	mm/min	6-3000	6-3000
	垂向 Vertical	mm/min	3-1500	3-1500
工作台、滑枕快速进给量范围 Work table and ram fast feeding range	纵向 Longitudinal	mm/min	6000	6000
	横向 Crosswise	mm/min	6000	6000
	垂向 Vertical	mm/min	300	300
主电动机功率 Main motor power		kW	11	11
进给电动机扭矩 Feeding motor torque	纵向 Longitudinal	N.m	10	10
	横向 Crosswise	N.m	10	10
	垂向 Vertical	N.m	15	15
工作台最大承受重量 Work table max. carrying weight		kg	1000	1000
系统 System	CNC装置型号 CNC device model		GSK990MC	
机床重量 Machine weight		kg	4200	4200
机床外形尺寸 Machine size	长 × 宽 × 高 (L x W x H)	mm	2100x2900x1970	2100x2900x1970

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