

فروشگاه کانون ابزار
ali5.ir

021 6639 39 00 - 0912 147 30 23

目 录

CONTENTS

02	关于我们 About Us
04	发展历程和产业结构 History and Indus. Structure
06	组织架构 Organization
07	资格认证和荣誉 Certification and Honor
08	人才团队 Talent Team
09	完善的质控体系 Complete QCS
11	先进的加工设备和过程控制 Advanced Equipment Facility and Process Control
13	研发团队 R & D Team
15	产品分类介绍 Product Category
67	后记 Postscript



ABOUT US

宝鸡机床集团有限公司是1965年伴随共和国“三线”建设时期成长起来的机床制造企业。创建50多年来，几代员工以“匠心智造中国好机床”为使命，打造了“智能引领，双轮驱动，匠心制造，服务全球”的企业管理模式，在振兴民族装备制造业、推动高档数控机床产业化方面做出不懈努力，目前已发展成为以高端数控机床研发制造为主导、四大产业、七大园区协同发展的企业集团，是我国重要的中高档数控机床研发生产基地和智能制造基地，被命名为陕西省机床出口基地、陕西省智能制造试点示范企业、陕西省职业技能培训竞赛基地。

公司下辖十余家子公司，员工3500人。机床年产量20000台，收入30亿元，出口额2200万美元，主营业务收入多年来稳居中国机床工具行业前列。荣获全国五一劳动奖状、中国机械工业百强企业、中国出口质量安全示范企业、中国机械工业质量诚信企业、全国机械行业先进制造领域产教融合骨干企业，荣膺“第八届陕西质量奖”。

公司以创新驱动发展，以品牌引领发展，以人才支撑发展，建立起集人才、技术、创新于一体的完备研发制造体系，形成以智能机床、柔性加工单元、智能制造单元、自动生产线为主导的产品群，广泛应用于汽车、航空航天、军工、工程机械、职业院校等领域。着眼于海外市场，建立以东欧、东南亚、北美洲三大板块为主体的销售网络和服务体系。

依托国家数控系统工程研究中心陕西分中心，宝鸡机床集团致力于智能装备解决方案的深度研发与优化。融合先进制造技术和大数据、云平台，加快智能制造模式转型。

秉持“企业发展、员工受益、成果共享”的发展理念，宝鸡机床集团勇担社会责任，助推职业技能发展。近几年同全国20多所重点院校建立校企战略合作平台，为各级职业技能大赛提供上千台、价值过亿元的装备支持。

宝鸡机床集团有限公司以装备强企为己任，加大科技投入和产品研发力度，树百年企业，创世界品牌。

Baoji Machine Tool Group Co., Ltd. is a machine tool manufacturing enterprise which grew up in 1965 with the "three-line" construction period of the People's Republic of China. Over the past 50 years, with the mission of "Make China's best machines with ingenuity and smart.", several generations of employees have created an enterprise management mode of "intelligent guide, technology and market dual-wheel driving, ingenuity manufacturing and global service". It has made unremitting efforts in revitalizing national equipment manufacturing industry and promoting the industrialization of high-end CNC machine tools. At present, it has developed into an enterprise group with high-end CNC machine tool R&D and manufacturing as the leading factor, four major industries and seven major parks as the coordinated development. It is an important R&D and production base and intelligent manufacturing base of medium-and high-end CNC machine tools in China. It has been named as the export base of machine tools in Shaanxi Province and the Intelligent manufacturing pilot demonstration enterprises, Shaanxi vocational skills training and competition base.

The company has more than ten subsidiaries with total assets of 2 billion yuan and 3500 employees. The annual output of machine tools is 20,000, the annual income is 3 billion yuan, the annual export volume is 22 million US dollars. The main business income has been in the forefront of China's machine tool industry for many years. It has won the National May 1st Labor Award, China's Top 100 Machinery Industry Enterprises, China's Export Quality and Safety Demonstration Enterprises, China's Machinery Industry Quality Credit Enterprises, China's Machinery Industry's Key Enterprises of Integration of Production and Education in Advanced Manufacturing and the Eighth Shaanxi Quality Award.

With innovation-driven development, brand-based development and talent-supported development, the company has established a complete R&D and manufacturing system that integrates talent, technology and innovation, and formed a product group dominated by intelligent machine tools, flexible processing units, intelligent manufacturing units and automatic production lines. It has widely applied in the fields of automobile, aerospace, military industry, engineering machinery and vocational colleges. Focusing on overseas markets, we will establish a global sales network and service system with three major sectors of Eastern Europe, Southeast Asia and North America as the main body.

Relying on the Shaanxi Branch Center of National CNC Engineering Research Center, Baoji Machine Tool Group is committed to the in-depth research and optimization of intelligent equipment solutions. Integrating advanced manufacturing technology, big data and cloud platform, we will accelerate the transformation of intelligent manufacturing.

Adhering to the development concept of "Corporate growth; Benefit employees; Share achievements", Baoji Machine Tool Group takes on social responsibility and promotes the development of professional skills. In recent years, we have established strategic cooperation with more than 20 key colleges and universities in China. Meanwhile, we have provided total more than 300 sets high-end CNC machine tools for national first level skills competitions for several times and provided more than one thousand machine tools worth over 100 million yuan for vocational skills competitions.

Baoji Machine Tool Group Co., Ltd. takes equipping strong enterprises as its responsibility, increases investment in science and technology and product research and development, build century corporation and create a world brand.

发展历程和产业结构

HISTORY AND INDUS. STRUCTURE



2015

2013



2007



1994



1985



1983



1965



行业深度调整，企业转型升级阶段。
产品结构进一步优化，品牌知名度显著提升。
Industrial deep adjustment stage; corporation transformation & upgrading; product structure was further optimized; brand name was widely well-known.

高速发展阶段，整体装备水平和产能全面提升。
各项指标持续攀升，规模经济实现。
High-speed development stage; the corporation was well equipped; its production capacity was largely raised; all indicators continuously rose; scale economy notably appeared.

整体改制为宝鸡机床集团有限公司
It was re-organized to Baoji Machine Tool Group Co., Ltd.

2001



更名为宝鸡机床厂
It was renamed Baoji Machine Tool Works

更名为陕西精密机床维修厂
It was renamed Shaanxi Precision Machine Tool Maintenance Factory

公司前身第一机械工业部精密机床西北维修总站成立。
Former of the corporation: Northwest Maintenance Head Station for Precision Machine Tool attached to First Machine Building Ministry was founded.

FUTURE

加快宝鸡机床品牌化运营，宝鸡机床综合经济效益跻身行业前列，倾力打造国际化装备制造企业集团。

Speed up branding of Baoji machine increase total economic indicator of Baoji machine to top of the field; manage to build an internationalized manufacturer.

TODAY

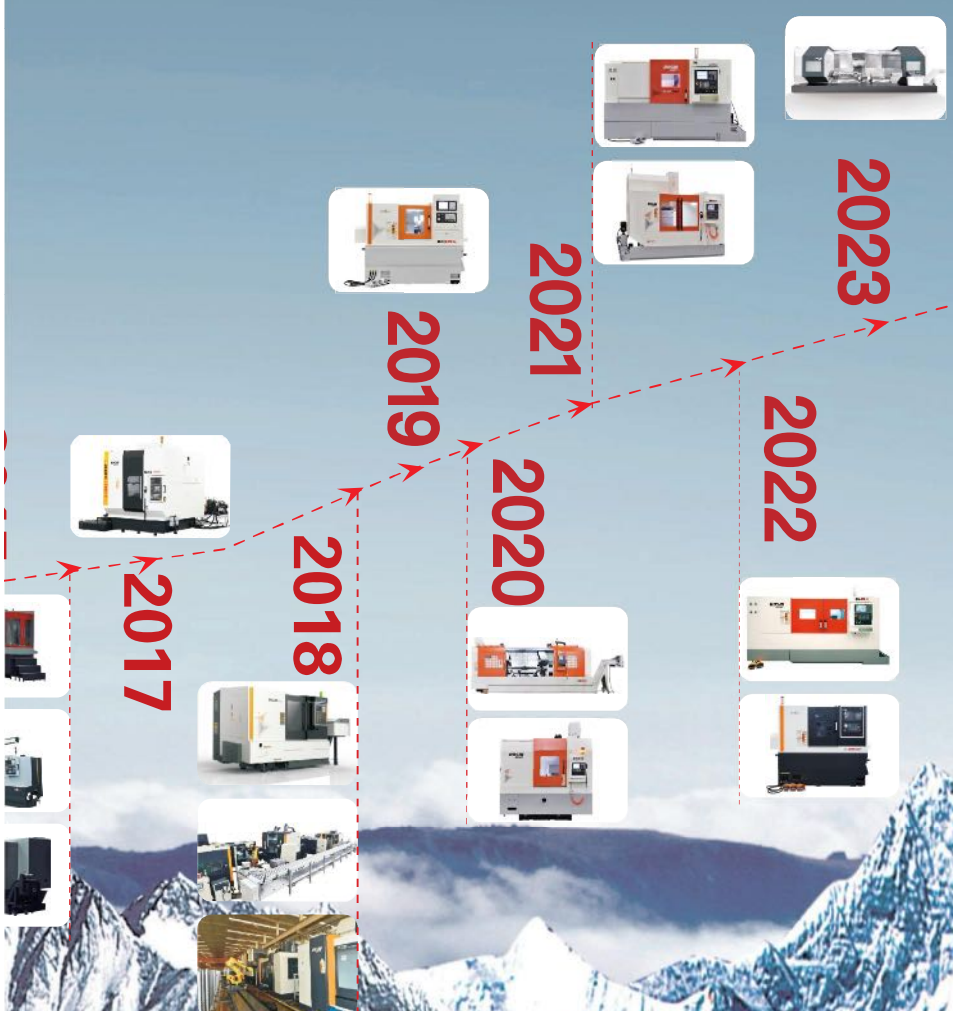
公司目前形成了以柔性制造单元、复合车铣中心、车削中心、加工中心、数控车床、医药机械、机床刀具等14大类，200个品种，400多个规格的产品群，广泛应用于汽车、航空、航天、工程机械、电子、军工、职业院校等行业。

四大产业

高档数控机床及数控刀具；新能源汽车关键零部件制造；机床再制造及服务；高端医疗、制药设备及备件生产。

Nowadays product groups appear. They are flexible manufacturing cell, mill-turning centers, turning centers, machining centers, CNC lathes, pharmaceutical machineries and industrial tools, which come into 14 classes, 200 models and over 400 specifications. They are widely used in automotive, aerospace, engineering machinery, electronics and military vocational colleges industries.

4 industries
Machine tool Machine tool parts Pharmaceutical machinery
Industrial tool Automotive parts



组织构架

ORGANIZATIONAL STRUCTURE

集团公司下辖宝鸡忠诚机床股份有限公司、陕西关中工具制造有限公司、宝鸡忠诚制药机械有限公司等骨干企业在内的十余个子公司，占地1200多亩，形成了集团化发展格局。

The company under the jurisdiction of Baoji machine tool group loyalty Limited by Share Ltd, Shaanxi Guanzhong Tool Manufacturing Co., Ltd., Baoji loyalty system More than 10 subsidiary medicine machinery limited company and other key enterprises, covers an area of 1200 mu, the group formed the development pattern.



资格认证 / 荣誉证书

CERTIFICATION AND HONOR

ISO14001:2004国际环境管理体系认证
ISO14001 Environmental Management System

ISO9001:2008国际质量管理体系认证
ISO9001:2008 quality control system

CONFORMITE EUROPEENNE欧盟CE认证
CE safety norm

海关AA级信用
AA-class credit of CIQ

第八届陕西质量奖
8th Shaanxi Quality Award



人才团队

TALENT TEAM

宝鸡机床集团秉持“人才是第一资源”的理念，大力实施“人才强企”战略，培养了一大批高技能人才、高科技人才，为企业发展积蓄了强有力的人才团队，为宝鸡机床集团可持续发展提供了有力的人才支撑。

This corporation takes the idea "talent is the first resource" and implements the strategy "make use of talents to strengthen the corporation". Therefore a large number of outstanding craftsmen and hi-tech technicians are trained, which is a strong talent team for corporation development and a powerful technical support for corporation continuous growing.



田浩荣 Tian Haorong:
第十三届全国人大代表 全国劳动模范
享受国务院特殊津贴
田浩荣国家级技能大师(劳模创新)工作室带头人
陕西省三秦工匠
陕西省首届十大杰出工人
首届宝鸡工匠 宝鸡工匠之星



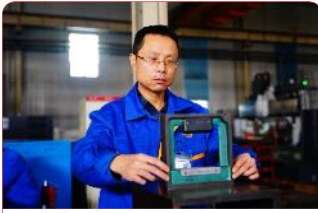
杨忠州 Yang Zhongzhou:
全国劳动模范 陕西省三秦工匠
陕西省技术能手 陕西省带徒名师
首届宝鸡工匠 宝鸡工匠之星
宝鸡市十佳高技能人才
杨忠州国家级技能大师工作室带头人



李晓佳 Li Xiaojia:
全国五一劳动奖章
享受国务院特殊津贴
陕西省首席技师
陕西省三秦工匠
陕西省十大杰出能工巧匠
陕西省技术状元 宝鸡工匠



麻建军 Ma Jianjun:
中国工会十七大代表
全国五一劳动奖章
陕西省第五届十大杰出工人
陕西省职工经济技术创新标兵



傅晨 Fu Chen:
陕西省五一劳动奖章
陕西省机冶建产业工匠
陕西省劳动竞赛标兵
宝鸡市十大杰出工人



李宏林 Li Honglin:
陕西省经济技术创新标兵
宝鸡市十大杰出工人
宝鸡市首席技师
李宏林市级技能大师工作室带头人



欧正杰 Ou Zhengjie:
中国技协职工技术成果三等奖
首席质量监督师



张云飞 Zhang Yunfei:
陕西省机械冶金建材系统“产业工匠”
陕西省技术能手
宝鸡市第二届十大杰出工人



杨红军 Yang Hongjian:
宝鸡市十佳科技创新人才
宝鸡市“三五人才”
宝鸡市五一劳动奖章



于宝明 Yu BanMing:
陕西省五一劳动奖章
陕西省技术能手



邢军力 Xing Junli:
宝鸡市有突出贡献拔尖人才

完善的质控体系

COMPLETE QCS

我们的质量管理“四严”原则：严格过程控制 严肃工艺纪律 严查后道问题 严追领导责任

Our 4-words principle on quality: Manage process control precisely; abide by technological discipline strictly; check subsequent problems closely; investigate leader's responsibility carefully.

我们的质量理念：诚信质量 下道工序就是用户 人人都是检验员
Our Quality ideal: Honest quality; the next procedure is customer; everybody is inspector.

质量管理流程图
Quality Management Flowchart

运行：营销过程、采购外协管理过程、产品研发管理过程、生产制造管理过程、人力资源过程、产品质量管理过程、基础设施管理过程、信息化管理过程、财务管理
Operation: Marketing and sales process, Purchase management process, Product research and development management process, Manufacturing management process, Human resources management, Product quality management process, infrastructure management process, Informatization management, Financial management.

支持：人员、设施设备、工作环境、监视测量设备、信息和知识
Support: staff, facilities and equipment, working environment, inspecting and measuring devices, information and knowledge.



公司设有专门的计量理化检测中心，配备了完善的计量仪器及理化检测设备。除万能工具显微镜、万能测长仪、金相分析仪、硬度计、光谱分析仪等常规的理化计量仪器外，更有众多产自美国、日本、英国、德国、瑞士、意大利等国家的国际一流的计量仪器和检测设备50多台套，如：布朗夏普三坐标测量机、COORD3三坐标测量机、雷尼绍激光干涉仪、球杆仪，日本的圆度仪，德国申克动平衡仪等关键仪器。从入厂原材料的物理性能试验到化学成分分析及材料热处理过程检验；从零件制造的几何精度检验到整机装配的过程控制及成品出厂检验；从外购外协件到电器元件及部件总成检验，形成了一套生产优质零件，装配精品机床的全过程质量控制体系。

Well-equipped testing center is set up. There are universal tool microscope, universal meterscope, metallographic analyzer, hardness tester, spectrum analyzer, also over 50 sets of world-class instruments and testing machines from America, Japan, England, Germany, Switzerland and Italy, such as Brown & Sharp coordinate measuring machine, COORD3 coordinate measuring machine, Renishaw laser interferometer, double ball bar, Japanese roundness tester, Schenck SmartBalancer. This is a complete testing system. So products--machine tools are controlled at every stage from the very beginning to the complete end. It includes stages from mechanical property testing and chemical composition analyzing of incoming raw materials to heat treatment inspection, from geometric testing of machined parts and machine assembly controlling to inspection of finished products for shipment, from outsourcing parts and electric elements inspection to assemblies inspection.



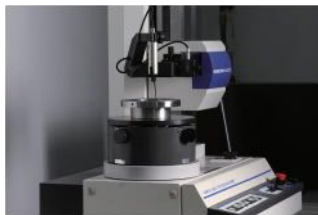
美国Brown & Sharp三坐标机
Brown & Sharp 3D CMM from America



意大利Coord3三坐标机
C coord3 CMM from Italy



德国申克动平衡仪
Schenck Smart Balancer from Germany



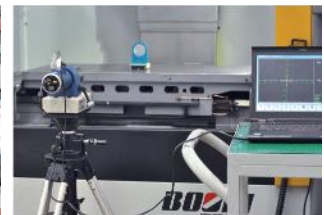
日本精密级圆度仪
Precision roundness measuring instrument from Japan



高清万工显
HD Universal microscope



英国雷尼绍激光干涉仪
Renishaw laser interferometer from Britain



ULTRA-2045准直仪
ULTRA-2045 collimator



英国雷尼绍球杆仪
Renishaw ball bar from Britain



碳硫分析仪
Carbon-sulfur analyzer



材料化实验室
Laboratory



齿轮检测仪
Gear measuring instrument

先进的加工设备和过程控制

ADVANCED EQUIPMENT FACILITY AND PROCESS CONTROL



机床装配车间
Machine assembly shop

公司生产手段先进，过程控制完善，拥有众多的高端设备，如：日本OKUMA五面体加工中心，西班牙克雷亚五面体加工中心，瑞士高精度精密外圆磨床，日本住友导轨磨床，德国、日本、韩国立、卧式加工中心等关键设备100多台，会同精密的计量检测仪器，确保了公司平面加工、箱体加工、齿轮加工、轴类加工等零件生产线和数控机床装配生产线的精度等级，使企业的加工、检测手段和制造能力处于国内同行前列。

The corporation has advanced production manners, complete process control and high-end facilities, such as OKUMA five-face machining center from Japan, CORREA five-face machining center from Spain, STUDER high precision high accuracy OD grinding machine from Switzerland, SUMITOMO guideway grinder from Japan and horizontal/vertical machining centers from Germany, Japan and Korea, all together over 100 sets. All those together with precise testing instruments ensure a high level machining accuracy of machine beds, cases, gears and shafts production lines and guarantee. So the company's machining and testing level, and manufacturing capacity has come to the fore in its sector.



总装调试现场
Machine adjusting scene



统一的仓储库房
Store house



日本住友数控龙门平面磨床
SUMITOMO gantry CNC surface grinder from Japan



日本高精度平面磨床
High precision surface grinder from Japan



瑞士高精度外圆磨床
High precision OD grinding machine from Switzerland



日本大隈五面体加工中心
Okuma five-face machining center from Japan



意大利PAMA数控镗铣床
PAMA CNC boring-milling machine from Italy



西班牙尼古拉斯格雷亚五面体加工中心
Nicolas Correa five-face machining center from Spain



韩国斗山卧加
DOOSAN horizontal machining center from Korea



日本卧加
Horizontal machining center from Japan



自动化生产线进行批量零件加工
Workpieces are machined in batches on auto production lines.



高精度磨齿机组
High precision gear grinding machine groups



瑞士坐标镗床
Coordinate boring machine from Switzerland



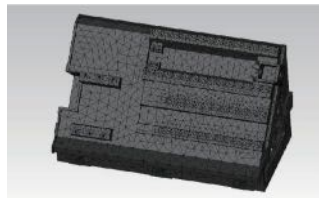
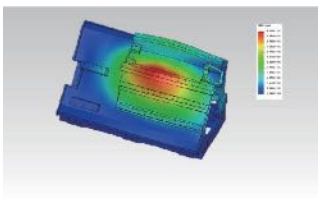
德国DMG卧加
DMG horizontal machining center from Germany

研发团队

R & D TEAM

> 自主研发 > 技术引进 > 产学研合作

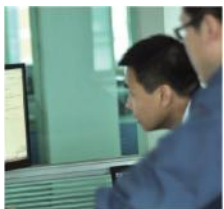
Independence R & D; Technology import; Industry-university-institute cooperation





公司现有工程类技术人员400多名，技术力量雄厚，技术装备先进。建有省级技术中心，拥有研发人员150多名，陕西省有突出贡献专家多名，国家专项津贴专家多名。产品开发全面采用CAD、CAPP系统，被评为“全国CAD应用工程示范企业”、“陕西省制造业信息化应用示范企业”。承担了多项国家高档数控机床与基础制造装备科技重大专项课题。公司拥有20多项专利，其中多项发明专利，2个驰名商标、2个名牌产品。通过自主创新、联合开发、技术引进等多种方式，全面提升技术的创新和产品的升级，使公司的产品线涉及的更加深入广泛，公司的核心竞争力得到不断提升。

The corporation has over 400 engineering technicians, abundant technical force and advanced technical equipment. A province-class technical center is set up with over 150 R&D personnel, some Shaanxi province-class outstanding contributors and some national allowance experts. Products are designed using CAD and CAPP. Titles awarded to the corporation are CAD APPLICATION DEMONSTRATOR and INFORMATION SYSTEM APPLICATION MODEL MANUFACTURER of SHAANXI. Several National Science and Technology Major Projects—high-end CNC machine and Basic Manufacturing Equipment have been undertaken. Over 20 patent rights are owned by the corporation, which include some inventions, 2 well-known brands and 2 famous brand products. Technical innovation and products updating is carried normally by self creation, joint developing and technical importing in order that our products are used much further and more abroad, and out core competitive power becomes stronger and stronger.



自主研发

公司坚持“三高—化”（高速、高精、高效、自动化）的产品开发理念，公司拥有省级技术中心及国家数控系统工程技术研究中心陕西分中心

Independence R & D

The corporation takes the idea “Three highs & one auto R & D” (high speed, high accuracy, high efficiency and automation). It has a province-class technical center and National Nc System Engineering Research Center ShaanXi Sub-Center.



技术引进

通过与美国、日本、韩国、台湾等地的多家企业、机构开展技术合作与引进，先后开发出了柔性制造单元、复合车铣中心、车削中心、加工中心等数控机床。

Technology import

CNC machines—flexible manufacturing cells, mill-turning centers, turning centers and machining centers, have been successively developed and produced by cooperating technically with and importing techniques from some enterprises and organizations in America, Japan, Korea and Chinese Taiwan.

产学研合作

为不断提高自主创新能力，先后与清华大学、哈尔滨工业大学、天津大学、西安交通大学、西安理工大学、重庆大学、中南大学等多家国内著名高校开展产学研合作，开发出具有自主知识产权的多款中高档数控机床。目前，公司已拥有多项有效专利。

Industry-university-institute cooperation

In order to raise the independent innovative ability the corporation has cooperated successively with domestically well-known colleges/universities, such as Tsinghua University, Harbin Institute of Technology, Tianjin University, Xi'an University of Technology, Chongqing University and Central South University. By cooperation some medium to top grade CNC machines are developed with independent intellectual property rights. Now the corporation has several valid patents.



卧式数控车床 (车铣中心)

Horizontal CNC lathe (Turning and milling center)

高精度卧式数控车床 : High Precision Horizontal CNC Lathe
CH7516GS/CK7516GS/CK7516G BM63150X/BMC63150C

高性能型卧式数控车床 : High Performance Horizontal CNC Lathe
CH75系列series (车削中心turning center) : CH7516 CH7520 CH7525 CH7530 CH7550 CH50C
CK75系列series : CK7516/A CK7520/A/B CK7525/A/B CK7530 CK7550
CK75 C系列 series : CK7516C CK7520C CK7525C CH25Y/CH30Y
TC系列 series : TC16 TC20
CKP系列 series : CK7620P

通用型卧式数控车床 : General Horizontal CNC Lathe
CK系列series : CK40/S/C CK50/S/C

实用型卧式数控车床 : Practical Horizontal CNC Lathe
BC系列 series : BC3731/BC3751

其它 : Other

GMTK卧式车铣复合加工中心 Horizontal Turning-Milling compound machining center
MTK20车铣中心 Turning-Milling center

高速
·
高效
·
高精度



高性能型卧式数控车床CH75系列 (车削中心)

High Performance Horizontal CNC Lathe CH75 series (turning center)

高速 · 高效 · 高精度

整体式斜床身 / 伺服驱动 / 高分辨率C轴 / 多工位转塔式动力刀架, 可实现主轴精确分度、刀具旋转的高速、高效、高精度

High speed; High efficiency; High accuracy

Integrated slant bed/ servo drive/ high resolution C-axis/ power turret with multiple stations; Accurately indexing spindle; tool revolving;

CH7516
CH7520系列
CH7525系列
CH7530系列
CH7550
CH50C

机床特点描述 / Machine Features Description

高强度铸铁整体式斜床身结构, 淬硬+贴塑导轨副、精密滚珠丝杠副, 主轴单元采用精密角接触球轴承和双列圆柱滚子轴承、伺服驱动, 高分辨率C轴, 多工位转塔式动力刀架, 高档数控系统控制。高精度、稳定性好的车削中心。

These turning centers are designed with high grade cast iron integrated bascs and slant beds, hardened bed ways, plastics-coated carriage and tailstock ways, and precision ball screw pairs. The spindles are supported by precision angular contact ball bearings and double row roller bearings, and driven by servo motors. C-axis has high resolution factor. The machines are equipped with multi-station power turrets and controlled by high class CNC controllers. They feature high accuracy and good stability.



参数列表 / Parameter List

项目/Item	单位 / Unit	参数 / Parameters						
		CH7516	CH7520 CH7520/1000	CH7525/500 CH7525/1500	CH7525	CH7530/800 CH7530	CH7550	CH50C
最大回转直径 / Swing over bed	mm	Φ400	Φ500/Φ450	Φ550		Φ660	Φ850	Φ500
最大车削直径 / Max. turning diameter	mm	Φ250	Φ280	Φ330		Φ450	Φ600	Φ280
最大车削长度 / Max. turning length	mm	340	490/960	450/950/1450		700/1400	1850	490
卡盘直径 / Chuck diameter	mm	Φ165(6")	Φ210(8")	Φ254(10")		Φ305(12")	Φ530(21")	Φ210(8")
最大棒料直径 / Max. bar diameter	mm	Φ42	Φ51	Φ73		Φ90	Φ90	Φ51
主轴转速 / Spindle speed	r/min	55-5500	40-4000	30-3000		25-2500	L: 8-530 H: 30-1200	75-2500
主轴电机功率(连续/30分钟) Spindle motor power (continuous/ 30min)	kW	11/15	11/15	15/18.5		22/30	30/37	11/15
移动行程(X/Z) / Stroke(X/Y/Z1/Z2)	mm	165/350	210/510 210/980	240/470 240/970 240/1450		325/770 325/1470	385/1850	210/510
快移速度(X/Z) / Rapid travel	m/min	12/16	12/16	12/16		12/16	10/12	16/24
回转刀具电机功率(连续/30分钟) Driving tool power (continuous/ 30min)	kw	1.1/3.7	3.7/5.5	3.7/5.5		5.5/7.5	5.5/7.5	3.7/5.5
回转刀具速度 / Driving tool speed	r/min	80-8000	40-4000	30-3000		30-3000	30-3000	40-4000

高性能型卧式数控车床CK7516/A CK7520/A/B

High Performance Horizontal CNC Lathe CK7516/A CK7520/A/B

CK7516 系列

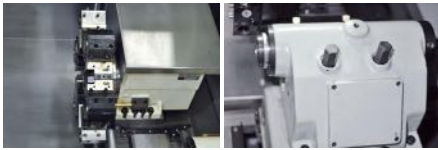
高速 · 无级变速 · 全防护

High speed; Infinite variable speed; Full enclosed guard

回转直径 Φ 400mm以内的高速·无级变速·全防护数控机床，不同的配置带来不同的切削体验。

Swing diameter of Φ 400 mm or less;

It gives you different experience if equipped differently.



CK7520 系列

机床特点描述 / Machine Features Description

- 1) 45°斜床身，无级调速，密封式防护，可选配刀架。
- 2) 后缀带“A”的为国产伺服控制。
- 3) 后缀带“B”的为主轴大孔径。
- 4) 长度有500mm、1000mm、1500mm三种规格可选。

1) 45° slant bed, infinite variable speed, sealed guard, optional turret.

2) Letter A in the designation stands for frequency inverter.

3) Letter B in the designation stands for large spindle bore.

4) Four length of machine is available: 500mm, 1000mm and 1500mm.

参数列表 / Parameter List

项目 / Item	单位 / Unit	参数 / Parameters				
		CK7516	CK7516A	CK7520	CK7520A	CK7520B
最大回转直径 / Max. swing dia. over bed	mm	Φ 400	Φ 400	Φ 500/ Φ 450/ Φ 450	Φ 500/ Φ 450/ Φ 450	Φ 500/ Φ 450/ Φ 450
最大车削直径 / Max. turning dia.	mm	Φ 285	Φ 285	Φ 370	Φ 370	Φ 370
最大车削长度 / Max. turning length	mm	400/1000	400/1000	500/1000/1500	500/1000/1500	500/1000/1500
卡盘直径 / Chuck dia.	mm	Φ 165	Φ 165	Φ 210	Φ 210	Φ 254
最大棒料直径 / Max. bar dia	mm	Φ 42	Φ 42	Φ 51	Φ 51	Φ 73
主轴转速 / Spindle speed	r/min	55-5500	70-3000	40-4000	75-2500	30-3000
主轴电机功率 (连续/30分钟) Main motor power(continued/30minutes)	kW	11/15	7.5/11	11/15	15	11/15
行程(X/Z) / Travel (X/Z)	mm	165/1030	165/1030	210/550 210/1010 210/1550	210/550 210/1010 210/1550	210/550 210/1010 210/1550
快移速度(X/Z) / Rapid travel speed(X/Z)	m/min	12/16	12/16	12/16	12/16	12/16

高性能型卧式数控车床 CK7525/A

High Performance Horizontal CNC Lathe CK7525/A

全防护 · 高速 · 高效率 · 批量化切削

Full enclosed guard; high speed; high efficiency; batch production

回转直径 Φ 550mm以内的主轴无级变速、全防护，高速、高效率、批量化切削利器，不同的配置带来不同的切削体验。

Infinite variable speed of spindle; swing diameter of ϕ 550 mm or less;

A good machine for batch production;

It gives you different experience if equipped differently.

机床特点描述 / Machine Features Description

- 1) 45°斜床身，无级调速，密封式防护。
 - 2) 后缀带“A”的为国产伺服控制。
 - 3) 长度有500mm、1000mm、1500mm三种规格可选。
- 1) 45° slant bed, infinite variable speed, sealed guard.
 - 2) Letter A in the designation stands for frequency inverter.
 - 3) Three length of machine is available: 500mm, 1000mm and 1500mm.



参数列表 / Parameter List

项目 / Item	单位 / Unit	参数 / Parameters		
		CK7525		CK7525A
最大回转直径 / Max. swing dia. over bed	mm	Φ 550		Φ 550
最大车削直径 / Max. cutting dia.	mm	Φ 450		Φ 450
最大车削长度 / Max. turning length	mm	500/1000/1500		500/1000/1500
卡盘直径 / Chuck dia.	mm	Φ 254		Φ 254
最大棒料直径 / Max. bar dia.	mm	Φ 73		Φ 73
主轴转速 / Spindle speed	r/min	30-3000		100-2000
主轴电机功率 (连续/30分钟) Spindle motor power (continued/30minutes)	kW	15/18.5		18.5
行程(X/Z) / Travel(X/Z)	mm	250/520	250/1010 250/1550	250/520 250/1010 250/1550
快移速度(X/Z) / Rapid travel speed(X/Z)	m/min	12/16		12/16

高性能型卧式数控车床CK7530

High Performance Horizontal CNC Lathe CK7530

全防护 · 高速 · 高效率 · 批量化切削

Full enclosed guard, high speed, high efficiency, batch production

回转直径 $\Phi 670$ mm以内的主轴无级变速、全防护，
高速、高效率、批量化切削利器，不同的配置带来不同的切削体验。
Infinite variable speed of spindle; swing diameter of $\Phi 670$ mm or less;
A good machine for batch production;
It gives you different experience if equipped differently.

机床特点描述 / Machine Features Description

高强度铸铁整体式斜床身结构，淬硬+贴塑导轨副、精密滚珠丝杠副，主轴单元采用双向推力角接触球轴承和双列圆柱滚子轴承，伺服驱动，多工位转塔式刀架，高档数控系统控制。是性能优越的较大规格数控车床。

The machine is designed with high grade cast iron integrated slant bed, hardened + plastics-coated guideways, and precision ball screws. The spindle is supported by precision angular contact ball bearings and double row roller bearings, driven by servo motor. It is a large specification excellent CNC lathe with multi-station power turret, controlled by high-end NC controller.



CK7530/800
CK7530/1500
CK7530/2000
CK7530/3000
CK7530F/800

参数列表 / Parameter List

项目 / Item	单位 / Unit	CK7530/F
最大回转直径 / Max. swing dia. over bed	mm	$\Phi 670$
最大车削直径 / Max. turning dia.	mm	$\Phi 600$
最大车削长度 / Max. turning length	mm	800/1500/2000/3000
卡盘直径 / Chuck dia.	mm	$\Phi 305$
最大棒料直径 / Max. bar dia.	mm	$\Phi 90$
主轴转速 / Spindle speed	r/min	25-2500
主轴电机功率(连续/30分钟) Main motor power(continued/30minutes)	kW	22/30
行程(X/Z) / Travel(X/Z)	mm	325/880 325/1550 325/2050 325/3050
快移速度(X/Z) / Rapid travel speed(X/Z)	m/min	12/16 12/12(3000规格)

高性能型卧式数控车床CK7550

CK7550/1500
CK7550/2000
CK7550/3000

High Performance Horizontal CNC Lathe CK7550

全防护 · 高速 · 高效率 · 批量化切削

Full enclosed guard; high speed; high efficiency; batch production

回转直径 Φ 850mm以内的主轴无级变速、全防护。

高速、高效率、批量化切削利器，不同的规格满足不同的切削要求。

Infinite variable speed of spindle; swing diameter of Φ 850 mm or less;

A good machine for batch production;

It gives you different experience if equipped differently.

机床特点描述 / Machine Features Description

高强度铸铁整体式斜床身结构，淬硬+贴塑导轨副、精密滚珠丝杠副，主轴单元采用双向推力角接触球轴承和双列圆柱滚子轴承，伺服驱动，多工位转塔式动力刀架，高档数控系统控制，性能优越的大规格数控车床。

The machine is designed with high grade cast iron integrated slant bed, hardened + plastics-coated guideways, and precision ball screws. The spindle is supported by precision angular contact ball bearings and double row roller bearings, driven by servo motor. It is a large specification excellent CNC lathe with multi-station power turret, controlled by high-end NC controller.

参数列表 / Parameter List

项目 / Items	单位 / Unit	CK7550
最大回转直径 / Max. swing dia. over bed	mm	Φ 850
最大车削直径 / Max. turning dia.	mm	Φ 750
最大车削长度 / Max. turning length	mm	1500/2000/3000
卡盘直径 / Chuck dia.	mm	Φ 530
主轴转速 / Spindle speed	r/min	L: 8-530 H: 30-1200
主轴电机功率(连续/30分钟) Main motor power(continued/30minutes)	kW	30/37
行程(X/Z) / Travel(X/Z)	mm	385/1540 385/2040 385/3050
快移速度(X/Z) / Rapid travel speed (X/Z)	m/min	10/12



高性能型卧式数控车床CK7516C

High Performance Horizontal CNC Lathe CK7516C

高速·无级变速·全防护

High speed; Infinite variable speed; Full enclosed guard

回转直径 Φ 400mm以内的高速·无级变速·全防护数控机床，X/Z轴线性导轨，不同的配置带来不同的切削体验。

Swing diameter of Φ 400 mm or less; X/Z Axis Linear guideway ; It gives you different experience if equipped differently.

参数列表 / Parameter List

项目 / Item	单位 / Unit	CK7516C
最大回转直径 / Max. swing dia. over bed	mm	Φ 400
最大车削直径 / Max. turning dia.	mm	Φ 285
最大车削长度 / Max. turning length	mm	400
卡盘直径 / Chuck dia.	mm	Φ 165
最大棒料直径 / Max. bar dia.	mm	Φ 42
主轴转速 / Spindle speed	r/min	55-5500
主轴电机功率 (连续/30分钟) Main motor power (continued/30minutes)	kW	11/15
行程(X/Z) / Travel (X/Z)	mm	165/410
快移速度(X/Z) / Rapid travel speed(X/Z)	m/min	30/24

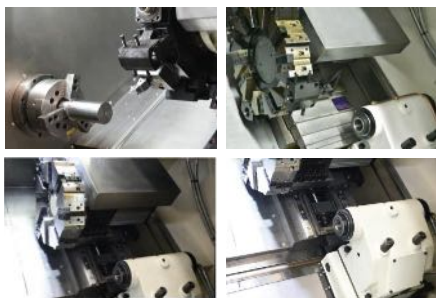


高性能型卧式数控车床CK7520C CK7525C

High Performance Horizontal CNC Lathe CK7520C CK7525C

CK7520C系列

CK7520C series
X/Z轴线性导轨
X/Z Axis Linear guideway



CK7525C系列

CK7525C series
X/Z轴线性导轨
X/Z Axis Linear guideway



参数列表 / Parameter List

项目 / Item	单位 / Unit	参数 / Parameters	
		CK7520C	CK7525C
最大回转直径 / Max. swing dia. over bed	mm	Φ500/Φ500/Φ450	Φ550
最大车削直径 / Max. turning dia.	mm	Φ370	Φ450
最大车削长度 / Max. turning length	mm	500/750/1000	500/1000
卡盘直径 / Chuck dia.	mm	Φ210	Φ254
最大棒料直径 / Max. bar dia	r/min	Φ51	Φ73
主轴转速 / Spindle speed	kW	40-4000	30-3000
主轴电机功率 (连续/30分钟) Main motor power (continued/30minutes)		11/15	15/18.5
行程(X/Z) / Travel (X/Z)	mm	210/550 210/780 210/1010	250/520 250/1010
快移速度(X/Z) / Rapid travel speed(X/Z)	m/min	24/24	24/24

高性能型卧式数控车床CH25Y/CH7530Y

High Performance Horizontal CNC Lathe CH25Y/CH7530Y

四轴联动

Four simultaneously controlled axes;

机床特点描述 / Machine Features Description

四轴联动，特别适合复杂零件的车、铣、攻加工的车铣复合中心。

It is a mill-turning center with 4 are simultaneously controlled; suitable for turning, milling and tapping of complex workpieces.

参数列表 / Parameter List

项目/Item	单位/Unit	参数/Parameters	
		CH25Y	CH7530Y
最大回转直径 / Swing over bed	mm	Ø500	Ø670
最大车削长度 / Max. turning length	mm	500	1000
卡盘直径 / Chuck diameter	mm	Ø210(8")	Ø305(12")
主轴转速 / Spindle speed	r/min	40-4000	30-3000
主轴电机功率(连续/30分钟) Spindle motor power (continuous/30min)	kW	11/15	22/30
移动行程(X/Y/Z) / Stroke (X/Y/Z)	mm	200/±60/510	325/±80/1050
快移速度(X/Y/Z) / Rapid travel (X/Y/Z)	m/min	16/12/24	12/10/16





高性能型卧式数控车床 CK7620P

High Performance Horizontal CNC Lathe CK7620P

参数列表 / Parameter List

项目 / Items	单位 / Unit	CK7620P
最大回转直径 / Max. swing dia. over bed	mm	Φ400
推荐车削直径/长度 / Suggested turning dia./length	mm	Φ100/180
最大车削直径 / Max turning dia.	mm	Φ200
卡盘直径 / Chuck dia.	mm	Φ210
最大棒料直径 (中空卡盘/筒夹夹头) Max. bar dia.(hollow chuck/ collet chuck)	mm	Φ51/Φ42
主轴转速 / Spindle speed	r/min	90-4000
主轴电机功率 (连续/30分钟) Main motor power(continued/30minutes)	kW	7.5/11
行程(X/Z) / Travel(X/Z)	mm	400/300
快移速度(X/Z) /Rapid travel speed(X/Z)	m/min	16/16

排式刀架 · 线性导轨 · 高速高效

Comb type tool rest; Linear guideway; High speed; high efficiency

机床特点描述 / Machine Features Description

高强度铸铁整体式斜床身结构，精密直线滚动导轨、精密滚珠丝杠副，主轴单元采用精密角接触球轴承和双列圆柱滚子轴承、伺服或变频驱动，排式刀架，高档数控系统控制。高精度、高效率数控车床。

This high accuracy and efficiency machine is designed with high grade cast iron integrated base and slant bed, precision linear rolling ways and precision ball screw pairs. The spindle is supported by precision angular contact ball bearings and double row roller bearings, and driven by a servo motor or frequency inverting motor. The machine is equipped with comb-type tool rest and controlled by high class CNC controller.

通用型卧式数控车床 CK40(S) CK50(S)

General Horizontal CNC Lathe CK40(S) CK50(S)



参数列表 / Parameter List

项目 / Item	单位 / Unit	参数 / Parameters	
		CK40(S)	CK50(S)
最大回转直径 / Max. swing dia. over bed	mm	Φ400	Φ500
最大车削直径 / Max. turning dia.	mm	Φ285	Φ370
最大车削长度 / Max. turning length	mm	400	500
卡盘直径 / Chuck dia.	mm	Φ165	Φ210
最大棒料直径 / Max. bar dia	mm	Φ42	Φ51
主轴转速 / Spindle speed	r/min	70-3000	60-2250
主轴电机功率 (连续/30分钟) Main motor power(continued/30minutes)	kW	7.5/11	11/15
行程(X/Z) / Travel (X/Z)	mm	165/1030	210/550 210/1010 210/1550
快移速度(X/Z) / Rapid travel speed(X/Z)	m/min	12/16	12/16

通用型卧式数控车CK40C CK50C

General Horizontal CNC Lathe CK40C CK50C

CK40C/CK50C 系列

X/Z轴线性导轨

X/Z Axis Linear guideway



参数列表 / Parameter List

项目 / Item	单位 / Unit	参数 / Parameters	
		CK40C	CK50C
最大回转直径 / Max. swing dia. over bed	mm	Φ400	Φ500
最大车削直径 / Max. turning dia.	mm	Φ285	Φ370
最大车削长度 / Max. turning length	mm	400	750
卡盘直径 / Chuck dia.	mm	Φ165	Φ210
最大棒料直径 / Max. bar dia	mm	Φ42	Φ51
主轴转速 / Spindle speed	r/min	80-3000	40-4000
主轴电机功率 (连续/30分钟) Main motor power (continued/30minutes)	kW	7.5/11	11/15
行程(X/Z) / Travel (X/Z)	mm	165/410	210/780
快移速度(X/Z) / Rapid travel speed(X/Z)	m/min	30/24	24/24



实用型卧式数控车床BC系列

Practical Horizontal CNC Lathe BC series

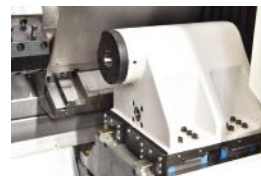
BC3731 / BC3751/BC3751L/BC4251

系列数控车床是一款具有国内先进水平的中低档全功能数控机床，与国内同规格机床相比，该机床加工范围大、重量重且占地面积小、刀盘对边尺寸大、快移速度高、性价比极高。

1. 双向导轨采用大载荷滚柱线轨副，快速移动均可达30m/min；
2. 主轴采用NSK大直径精密角接触球轴承与双列圆柱滚子轴承组合排列，11kW主轴伺服电机，具有极好的刚度和低速下的大扭矩；
3. 台湾8工位卧式液压刀架，精度高、刚性好、换刀时间短；
4. 采用大对边刀盘，刀具干涉小，加工范围大；
5. 机床设计紧凑、重量大且占地面积小。

BC series CNC lathe is an advanced middle class full functional CNC lathe in China domestic market. Wider machining range, heavier machine weight but smaller floor occupation, larger turret disk, more rapid feed rate, high ratio for cost performance.

1. Bidirectional heavy load pin roller linear guideways, 30m/min rapid feed rate.
2. Main spindle with NSK large diameter precision angular contact ball bearing and double-row cylindrical roller bearing, 11KW servo main motor, with excellent rigidity and powerful torque in low speed.
3. Taiwan made 8-station hydraulic turret, high accuracy, rigidity, short tool change time.
4. Big turret disk, small tools interference, large machining range.
5. Compact design, heavy machine weight but small floor occupation.



参数列表 / Parameter List

项目 / Item	单位 / Unit	参数 / Parameters	
		BC3731	BC3751
最大回转直径 / Max. swing dia. over bed	mm	Φ550	
最大车削直径 / Max. turning dia.	mm	Φ370	
最大车削长度 / Max. turning length	mm	310	510
卡盘直径 / Chuck dia.	in	8"	
最大棒料直径 / Max. bar dia.	mm	Φ51	
主轴转速 / Spindle speed	r/min	50-4500	
主轴电机功率 (连续/30分钟) Main motor power(continued/30minutes)	kW	11/15	
行程(X/Z) / Travel (X/Z)	mm	210/350	210/550
快移速度(X/Z) / Rapid travel speed(X/Z)	m/min	30	

卧式车铣复合加工中心

Horizontal Turning-Milling compound machining center

机床特点描述 / Machine Features Description

宝鸡机床复合加工机床设计理念是为复杂、精密、高精度、高附加值的加工提供最佳性能。采用卓越的动态性能和强度相结合的技术，这种动态性能和强度的融合为用户提供以下可行性：

1. 为零件加工提供最佳加工方案：
 - 普通切削
 - 高速进给切削
 - 高转速切削
2. 集成多种加工工艺：
 - 成套加工解决方案
 - 适应最佳切削条件的加工工艺

1. Approaching to the machining of a piece with the most appropriate machining strategy.
 - Conventional cutting.
 - High feed cutting.
 - High speed cutting.
 - Combination between high feed cutting and high speed cutting.

GMTK is a multi-process machine developed in order to obtain the highest performance in the machining of complex, accurate and high precision and added value pieces. The applied technology allows a combination of exceptional dynamics and strength. This compromise between DYNAMICS and POWER, gives the users of MTK the possibility of:

2. Integrating different machining processes.
 - Complete machining solution.
 - Machining processes adapted to their optimal cutting conditions.



参数列表 / Parameter List

项目/Item	单位/Unit	参数 / Parameters	
		BHR800V	BHR1000V
回转直径	mm	820	1020
两顶尖距离	mm	2000-6000	2000-8000
最大卡盘速度	rpm	2700/1680	1650/1260
最大扭矩100%	Nm	3340/5400	7700/11130
C轴最大转速	rpm	80	40
C轴最大扭矩	Nm	4000	8350
铣削附件头转速	rpm	5000	5000/3000
铣削附件头最大扭矩	Nm	261/291	261/291/630/712
B轴最大转速	rpm	16	16
B轴最大扭矩	Nm	1780	1780/2430
X轴快速进速度	m/min	40	40
X轴行程	mm	930	1130
Y轴快速进速度	m/min	40	40
Y轴行程	mm	400/550	550
Z轴快速进速度	m/min	40	30
套筒直径	mm	180	260
套筒行程	mm	200	250
刀库容量	Number of tools	40/60/80/120	
数控系统		西门子Siemens 840D SL	

MTK20车铣中心

Turning-Milling center

双主轴、双刀架重叠加工，四轴联动数控车铣中心

Double spindles; simultaneously operating of double turrets; Four simultaneously controlled axes

机床特点描述 / Machine Features Description

MTK20是由高档数控系统控制的多刀架数控车铣中心，机床采用双主轴、双刀架对列布局，可实现双主轴、双刀架的同时切削加工，机床具有Y轴功能和双C轴功能，能完成工件的强力铣削。该机床具备4轴联动功能，配合副主轴的X、Z双向进给，可以实现双主轴、双刀架的重叠加工，保证在一次装夹下完成复杂工件的全部或大部分工序的加工，特别适合于形状复杂工件的加工，能广泛适用于航空、航天、汽车、轻工、机械等行业对数控机床功能越来越高的要求。

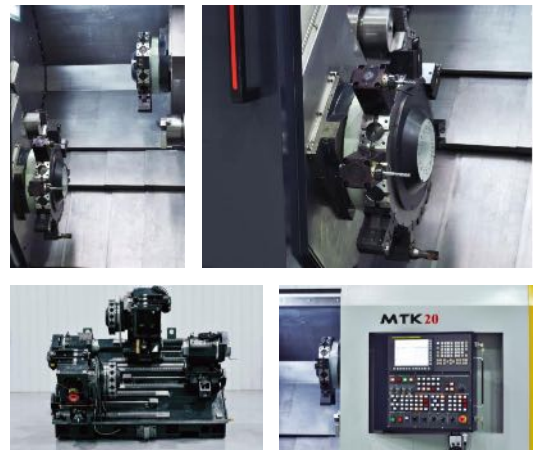
This is a mill-turning center controlled by high-end NC control system, and features opposed double spindles, opposed double turrets, Y-axis function and C-axis function. Two spindles and turrets can operate simultaneously even for heavy milling. By means of 4 simultaneously controlled axes together with sub spindle's double feed in X/Z-axis, complete or most machining of a complex workpiece is finished at one setting. The machine is widely used in aerospace, automotive, manufacturing engineer and light industries satisfying increasing demand of customers on function and machining precision of CNC machines.



MTK20细节图
MTK20 detailed diagrams

参数列表 / Parameter List

项目/Item	单位/Unit	参数 / Parameters
主轴数 / Number of spindles	个 pc	2
刀架数 / Number of turrets	个 pc	2
卡盘直径 / Chuck dia.	mm	Φ210
转塔刀架工位数 / Number of station of turret	个 pc	16X2
主轴/副主轴最高转速 / Max. speed of spindle/sub spindle	r/min	5000
刀架动力头最高转速 / Max. speed revolving tool	r/min	6000
主轴电机功率 / Power of spindle motor	kw	18.5 / 22 (30min)
副主轴电机功率 / Power of sub spindle motor	kw	11 / 15 (30min)
最大加工直径 / Max. machining dia.	mm	Φ250
最大加工长度 / Max. machining length	mm	750
X1/X2/X3轴快移速度 / Rapid traverse X1/X2/X3	m/min	20
Y1/Y2轴快移速度 / Rapid traverse Y1/Y2	m/min	24
Z1/Z2/Z3轴快移速度 / Rapid traverse Z1/Z2/Z3	m/min	36
X1/X2/X3轴行程 / Stroke X1/X2/X3	mm	210/210/100
Y1/Y2轴行程 / Stroke Y1/Y2	mm	100/100
Z1/Z2/Z3轴行程 / Stroke Z1/Z2/Z3	mm	800/800/800



经济型卧式数控车床

Economical horizontal CNC lathe

SK系列 SKseries / SK40P/S SK50P/S SK50E SK66Q SK50C

HK系列 HKseries / HK63B HK80B HK80 HK100 HK125

TK/EK系列 TKseries / TK36S TK36D TK36Y TK50 TK50C EK40

CB系列 CBseries / CB45A

CBK系列 CBKseries / CBK50 CBK63



以不凡的决心制造更具高性价比的机床
To make most cost high effective ma
chines with firm determination.

SK 系列

SK series lathe

变速 · 无级调速 · 恒线速切削

Shift gears; Infinite variable speed; Constant linear speed cutting

SK40P
SK40S
SK50P
SK50S
SK66Q
SK50E
SK50C

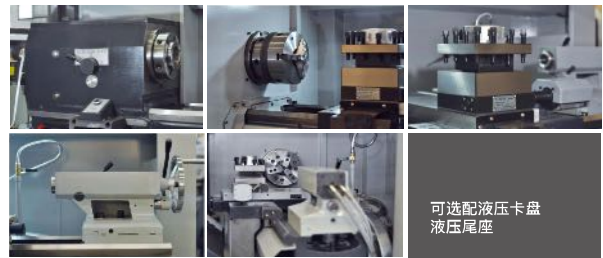
机床特点描述 / Machine Features Description

- 1) 全为伺服系统控制、后缀为“S”的是广数伺服系统控制。
- 2) 后缀为“C”的是 $\phi 105$ 孔径，后缀为“E”的是液压换挡、供教育系统。
- 3) 长度有750mm、1000 mm、1500 mm、2000 mm、3000mm多种规格可选。
- 4) 控制系统可选择FANUC/广数系统/KND/华中系统/SIEMENS/B60。

- 1) All servo system control; Letter S in the designation stands for control of wide-range servo system
- 2) Letter C in the designation stands for $\phi 105$ Aperture; Letter E in the designation stands for Hydraulic shift Gears, For education system
- 3) Letter I in the designation stands for SIEMENS system control spindle with maximum speed up to 2000 r/min
- 4) Different length of machine is available: 750mm, 1000mm, 1500mm, 2000mm and 3000mm
- 5) Optional control systems FANUC, GSK, KND, HNC, SIEMENS, B60

参数列表 / Parameter List

项目 / Item	单位 / Unit	参数 / Parameters							
		SK40P/40S	SK50P/50S	SK66Q	SK50E	SK50C			
最大回转直径 Swing over bed	mm	$\phi 400$	$\phi 500$	$\phi 660$	$\phi 500$	$\phi 500$			
最大车削直径 Max. turning diameter	mm	$\phi 400$	$\phi 500$	$\phi 550$	$\phi 500$	$\phi 500$			
最大工件长度 Max. workpiece length	mm	750 / 1000 / 1500 / 3000		750 / 1000 / 1500 / 2000	1000	710 / 960 / 1460 / 1960 / 2960			
卡盘直径 Chuck size	mm	$\phi 250$		$\phi 250$	$\phi 250$	$\phi 315$			
主轴通孔直径 Spindle bore	mm	$\phi 77 / \phi 82$		$\phi 77$	$\phi 82$	$\phi 105$			
主轴转速 Spindle speed	r/min	3档(3-shifts) 21-1620		3档(3-shifts) 21-1620	4档(4-shifts) 23-2000	3档(3-shifts) 21.7-1600			
主轴电机功率 Spindle motor power	kW	7.5		7.5	7.5	7.5			
行程(X/Z) X/Z axes traverse	mm	275/600	275/850	275/1350	275/1850	275/2900	275/600/850/1350/1850	275/850	X : 295 Z : 600/850/1350/1850/2900
快移速度(X/Z) Rapid travel speed	m/min	6/8		6/8	6/8	6/8	6/8		



可选配液压卡盘
液压尾座

HK 系列机床

HK series lathe

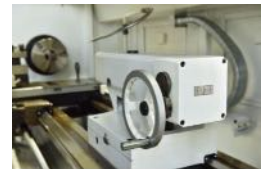
多档变速 · 档内无级调速

Multi-step shift gears; infinitely variable within each step;

适用于较大规格、较重零件的大负载切削加工

For heavy duty cutting of large specification and heavy weight work

HK63B
HK80B
HK80
HK80
HK80



参数列表 / Parameter List

项目 / Items	单位 / Unit	参数 / Parameters		
		HK63B	HK80B	HK80
最大回转直径 Swing over bed	mm	Φ630	Φ800	Φ800
最大车削直径 Max. turning diameter	mm	Φ630	Φ740	Φ800
最大工件长度 Max. workpiece length	mm	1000/1500/2000/3000	1000/1500/2000/3000	1000/1500/2000/3000/4000
卡盘直径 Chuck diameter	mm	Φ315	Φ315	Φ315
主轴通孔直径 Spindle bore	mm	Φ105	Φ105	Φ105
主轴转速 Spindle speed	r/min	L: 20-210 M: 37-373 H: :112-1120	L: 20-210 M: 37-373 H: :112-1120	I 20-204 II 39-354 III 71-642 IV 124-1000
主轴电机功率 Spindle motor power	kW	11	11	15
行程(X/Z) X/Z axes traverse	mm	370/760 370/1310 370/1810 370/2810	390/760 390/1310 390/1810 390/2810	430/760 430/1350 430/1850 430/2850 430/3850
快移速度(X/Z) Rapid travel speed	m/min	6/7	6/7	6/7



TK系列机床

TK series lathe
无级调速车床
Infinite variable speed

TK36S
TK36D
EK40
TK50
TK36Y

机床特点描述 / Machine Features Description

- 1) 平床身结构，主轴单元采用精密角接触球轴承和双列圆柱滚子轴承，标配四工位立式转塔刀架，高档数控系统控制。
- 2) 后缀“D”是电主轴。

- 1) Horizontal bed. The spindle is supported by precision angular contact ball bearings and double row roller bearings. Standard equipment: 4-station vertical turret. Controlled by high class NC controller.
- 2) The suffix "D" is for electrical spindle.
- 3) The suffix "C" is for X/Z axis Linear guideway.



参数列表 / Parameter List

项目 / Item	单位 / Unit	参数 / Parameters			
		TK36S	EK40	TK50	TK36D
最大回转直径 Swing over bed	mm	Φ360	Φ400	Φ500	Φ360
最大车削直径 Max. turning diameter	mm	Φ320	Φ400	Φ500	Φ320
最大工件长度 Max. workpiece length	mm	750	750/1000	1100/1600/2100/3100	750
卡盘直径 Diameter of chuck	mm	Φ200	Φ200	Φ250	Φ200
主轴通孔直径 Spindle bore	mm	Φ57	Φ57	Φ87	Φ52
主轴转速 Spindle speed	r/min	140-3000	140-3000	30-2500	140-4500
主轴电机功率 Spindle motor power	kW	5.5(伺服servo)	5.5 (伺服servo)	15 (伺服servo)	7.5
行程(X/Z) X/Z axes Traverse	mm	200/610	230/590 230/840	295/2000 295/1500 296/3000	200/610
快移速度(X/Z) Rapid travel speed	m/min	6/8	6/8	6/8 (3000均为6)	6/8



CBK 系列机床

CBK50
CBK63

CBK Series Machine Tools

主轴三档变速, 45度斜床身数控车床

A CNC lathe with 45° slant bed; 3-step spindle shift gears

机床特点描述 / Machine Features Description

- 1) 45°斜床身结构, 带来良好的空间和排屑效果; 手动换档, 档内无级变速, 可加工较大尺寸、较大负载的零件。
- 2) 长度有1000mm、2000mm、3000mm三种规格可选。
- 1) 45° slant bed provides a nice space and good chip disposal result; manual gear shift with infinite variable speed within each gear; it can be used for large-size and heavy-load machining.
- 2) Three length of machine is available: 1000mm, 2000mm and 3000mm.



参数列表 / Parameter List

项目 / Items	单位 / Unit	参数 / Parameters			
		CBK63/1000	CBK63/2000	CBK63/3000	CBK50
最大回转直径 / Swing over bed	mm	Φ630	Φ630	Φ630	Φ500
最大车削直径 / Max. turning diameter	mm	Φ450 (八工位) / Φ500 (四工位)			Φ420
最大车削长度 / Max. workpiece length	mm	800/1000 (四工位)	1800/2000 (四工位)	2800/3000 (四工位)	1050 (四工位) / 980 (六工位/八工位)
卡盘直径 / Chuck diameter	mm	Φ315	Φ315	Φ315	Φ250
主轴通孔直径 / Spindle bore	mm	Φ84	Φ84	Φ84	Φ82
主轴转速 / Spindle speed	r/min	20-210 50-525 155-1600	20-210 50-525 155-1600	20-210 50-525 155-1600	3档无级 Z1-1620 (H162-1620 M:66-660 L21-210)
主轴电机功率 / Spindle motor power	kW	11	11	11	7.5
行程(X/Z) / X/Z axes traverse	mm	350/1000	350/2000	350/3000	X:255 Z:1000
快移速度(X/Z) / Rapid travel speed	m/min	8/8	8/8	8/8	6/8

数控立式车床系列

VERTICAL CNC LATHE

力求把最好的做工和性能呈现给用户
Do our best to show the finest workmanship and performance to users.

卡盘式数控立式车床 / CK514数控立式车床

Type chuck vertical
CNC lathe

CK514H/Z数控立式车床

CK516/CK516Z数控立式车床

CK516A数控立式车床

CK518数控立式车床

BDVL28数控立式轮毂车床

BK50-2数控立式车床(双主轴)

工作台式数控立式车床 / CK51125数控立式车床 (转塔刀架)

Worktable type vertical
CNC lathe

CK51125A数控立式车床 (刀库)

CK51160数控立式车床 (转塔刀架)

CD125数控立式车床

CD160数控立式车床



CK514 / CK516 / CK514H/Z CK516A / CK518 / CK516Z

立式结构 · 排屑流畅 · 装夹工件方便

Vertical lathe; Easy chip removal; Simple work setting

适用于加工小型、中型盘、套类零件的立式车床

Suitable for small to medium size disk type and ring type workpieces

机床特点描述 / Machine Features Description

1) 两轴线轨、立式刀架、立式卡盘车床。

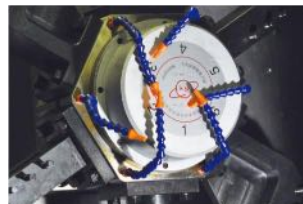
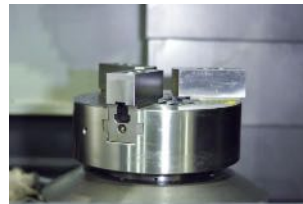
2) CK516Z数控立式车床是CK516数控立式车床的镜像机床，可以与CK516组成双胞胎加工单元，也可以单独使用。

1) It is a lathe with vertical turret and chuck, with linear guideway in two axes.

2) CK516Z vertical CNC lathe is the mirror lathe of CK516 vertical CNC lathe. It can be used alone or combine with CK516 for twin machining unit.

参数列表 / Parameter List

项目 / Item	单位 / Unit	参数 / Parameters				
		CK514H/Z	CK516Z	CK516	CK516A	CK518
最大回转直径 / Swing diameter	mm	Φ650	Φ850	Φ850	Φ850	Φ1000
最大车削直径 / Max. turning diameter	mm	Φ450	Φ550	Φ750	Φ750	Φ900
最大工件高度 / Max. workpiece height	mm	420	600	600	600	800
主轴转速 / Spindle speed	r/min	30-3000	10-1600	10-1600	50-1200	30-800
快移速度(X/Z) / Rapid travel speed	m/min	12/16	14/14	14/14	14/14	12/12



BK50-2 BK40-2 数控立式车床 (双主轴)

针对法兰行业开发的一款专用机床

Specially developed for flange industry

机床特点描述 / Machine Features Description

BK40-2/BK50-2数控立式车床为高效双主轴CNC车床，配以宝机B80系统/GSK 980TTC数控系统，该机床是针对法兰行业开发的一款专用机床。双主轴、双刀架，两通道可分别单独控制，能同时完成不同零件的加工。主要用于对10公斤以上的法兰盘；电机的法兰、壳体以及其它行业不宜夹装的法兰、盘、套、短轴类零件的粗、半精加工。

BK50-2 vertical CNC lathe has dual spindle, with GSK 980TTC CNC system, specially developed for flange industry. Dual spindle, dual turret, dual channels can be controlled separately for machining different parts simultaneously. Mainly for roughing and semi-finishing machining of flanges more than 10 kilograms, flanges and housing of motors, and parts of flanges, plates, sleeves and short shafts in other industries which are not easy for clamping.

参数列表 / Parameter List

项目 / Items	单位 / Unit	参数 / Parameters
		BK50-2
最大回转直径 / Max. swing diameter	mm	Φ500
最大车削直径 / Max. turning diameter	mm	Φ420
最大车削高度 / Max. turning height	mm	360
主轴转速 / Spindle speed	r/min	50-800
液压卡盘直径 / Hydraulic chuck diameter	inch	12"
主轴电机功率 / Main motor power	kW	11
行程 / Travel (X/Z)	mm	300/380
快移速度 / Rapid feed rate	m/min	12/12



CK51125/CK51125A/ CD125/CD160

适用于大型盘、套类零件加工的高效立式车床

High efficiency vertical lathe;For cutting large size disk type and ring type workpieces

机床特点描述 / Machine Features Description

- 1) CK51125/CK51160: 动梁,T型滑枕,双十字滑台结构,强力手动卡爪,电动四工位刀架,伺服系统,高档数控立式工作台车床。
 - 2) CK51125A: 定梁、矩形滑枕、带刀库,伺服系统,高档数控立式车床,可选配大规格液压卡盘。
 - 3) CD125、CD160: 定梁,矩形滑枕,单刀座,简易防护的经济型数控立式车床。
- 1) CK51125: high-end vertical CNC lathe with movable beam, T-shaped ram, crossed double slide blocks, manual strong jaw, 4-station power turret, servo system and worktable.
- 2) CK51125A: high-end vertical CNC lathe with fixed beam, rectangular ram, magazine, frequency inverter; large specification hydraulic chuck is optional.
- 3) CD125 CD160: economical vertical CNC lathe with fixed beam, square ram and single tool holder; without guard.





参数列表 / Parameter List

项目 / Items	单位 / Unit	参数 / Parameters			
		CK51125	CK51125A	CD125	CD160
工作台直径 / Diameter of worktable	mm	Φ1050	Φ1050	Φ1050	Φ1400
最大回转直径 / Max. swing diameter	mm	Φ1250	Φ1500	Φ1250	Φ1600
最大车削直径 / Max. turning diameter	mm	Φ1100	Φ1250	Φ1100	Φ1600
最大工件高度 / Max. workpiece height	mm	900	600	900	500/900
工作台转速 / Worktable speed	r/min	2-400	2-400	15-200	5-150
快移速度(X/Z) / Rapid travel speed	m/min	10/10	10/10	10/10	10/10

CK51160

适用于大型零件加工的数控立式车床

CNC vertical lathe; For cutting large size workpieces

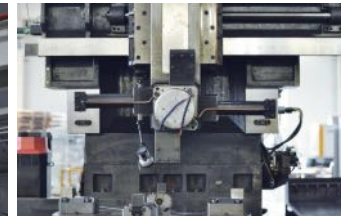
机床特点描述 / Machine Features Description

动梁,分档定位,T型滑枕,电动刀架,强力手动卡爪的立式车床。

vertical lathe with movable beam which stops at fixed positions, with T-shaped ram, power turret and manual strong jaw.

参数列表 / Parameter List

项目 / Item	单位 / Unit	参数 / Parameters
		CK51160
工作台直径 / Diameter of worktable	mm	Φ1250;1400
最大回转直径 / Max. swing diameter	mm	Φ1600
最大车削直径 / Max. turning diameter	mm	Φ1600
最大工件高度 / Max. workpiece height	mm	1200
工作台转速 / Worktable speed	r/min	2~320
快移速度(X/Z) / Rapid travel speed	m/min	10/10



普通卧式车床系列

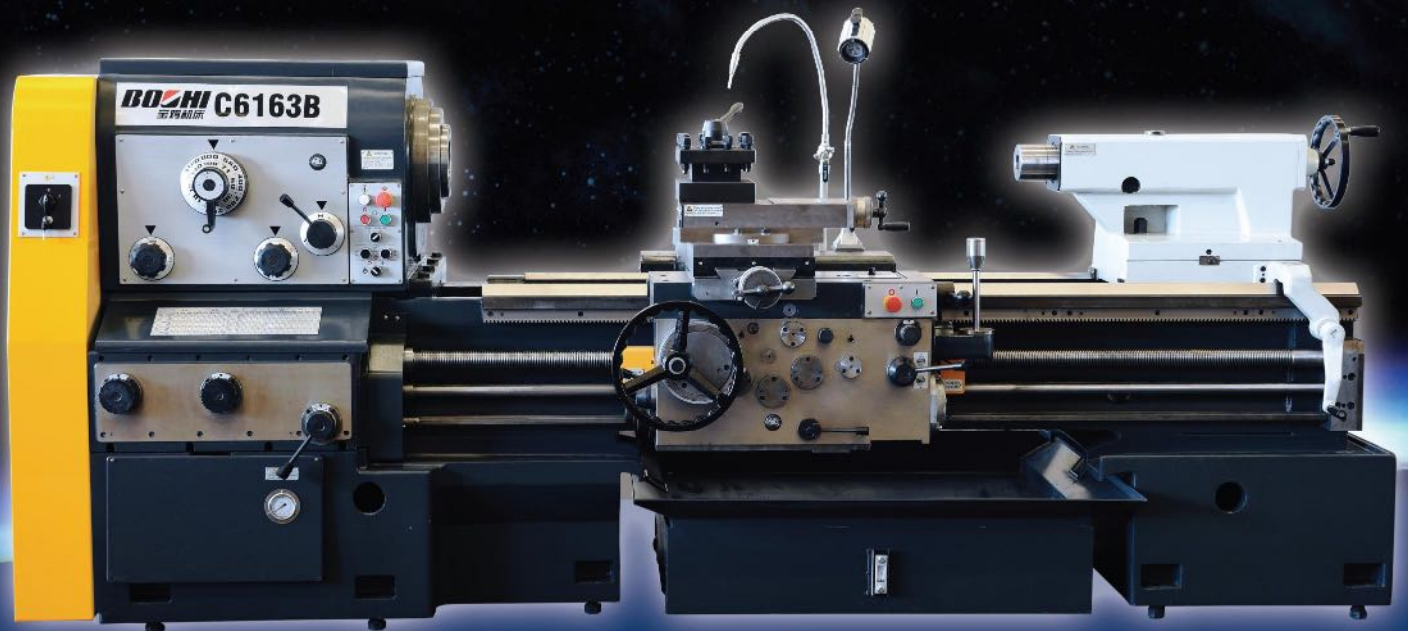
CONVENTIONAL LATHE

CS系列车床 CS series lathe / CS6140(J)系列 CS61(2)40系列 CS61(2)50B系列 CS61(2)50C系列 CS61(2)66B(C)系列(仅供外销)

CQ系列车床 CQ series lathe / CQ6180B系列 CQ6180C系列

BJ系列车床 BJ series lathe / BJ1640系列 BJ1840系列

C系列车床 C series lathe / C6163B系列 C6180A系列 C6180



让更加精致的普通机床
满足不同领域的需求

Use much finer engine lathes to satisfy the
needs of different fields



CS 系列车床

CS series lathe

CS6140J
CS61(2)40
CS61(2)50B

CS61(2)50C
CS61(2)66B
CS61(2)66C

机床特点描述 / Machine Features Description

- 1) 后缀带“B”的主轴通孔直径是 $\Phi 82\text{mm}$;
- 2) 后缀带“C”的主轴通孔直径是 $\Phi 105\text{mm}$;
- 3) 后缀带“J”的是节能型机床;
- 4) 第二位数字是“1”的为普通平床身;
- 5) 第二位数字是“2”的为马鞍式平床身;
- 6) 床身长度有750mm、1000mm、1500mm、2000mm、3000mm五种规格可选。

- 1) Spindle thru-hole is $\Phi 82\text{mm}$, for machine with letter B in its
- 2) Spindle thru-hole is $\Phi 105\text{mm}$, for machine with letter C in it
- 3) The suffix with J is an energy-saving machine tool
- 4) The second number 1 in the designation stands for general horizontal bed.
- 5) The second number 2 in the designation stands for horizontal gap bed.
- 6) Five length of machine is available: 750mm, 1000mm, 1500mm, 2000mm and 3000mm.



参数列表 / Parameter List

项目 / Item	单位 / Unit	参数 / Parameters					
		CS6140 CS6240	CS6140J	CS6150B CS6250B	CS6166B CS6266B	CS6140C/CS6150C CS6240C/CS6250C	CS6166C CS6266C
床身上回转直径 Max. swing over bed	mm	$\Phi 400$	$\Phi 400$	$\Phi 500$	$\Phi 660$	$\Phi 400/\Phi 500$	$\Phi 660$
床鞍上回转直径 Max. swing over slide	mm	$\Phi 220$	$\Phi 220$	$\Phi 300$	$\Phi 420$	$\Phi 220/\Phi 300$	$\Phi 420$
两顶尖之间最大距离 Max. workpiece length	mm	750/1000/1500/2000/3000	700/950/1450/1950/2950	750/1000/1500/2000/3000	750/1000/1500/2000/3000	750/1000/1500/2000/3000	750/1000/1500/2000/3000
主轴头型式 Spindle nose		ISO 702/II No.6 卡口型bayonet type;		ISO 702/II No.8 短凸轮锁紧型short cam-lock type			
主轴通孔直径 Spindle thru-hole	mm	$\Phi 52$	$\Phi 52$	$\Phi 82$	$\Phi 82$	$\Phi 105$	$\Phi 105$
主轴转速范围 Spindle speeds	r/min	24级STEPS 9-1600r/min	24级STEPS 9-1600r/min	24级STEPS 9-1600r/min	24级STEPS 9-1600r/min	12级STEPS 36-1600 r/min	12级STEPS 36-1600 r/min
刀具截面 Tool section	mm	25x25	25x25	25x25	25x25	25x25	25x25
上刀架的最大行程 Max. travel of compound rest	mm	145	145	145	145	145	145
下刀架的最大行程 Max. travel of cross slide	mm	320	320	320	310	320	310
尾座套筒直径/行程 Tailstock quill diameter/ Max. travel of quill	mm	75/150	75/150	75/150	75/150	75/150	75/150
尾座套筒孔锥度 Diametric pitch threads	MT	5	5	5	5	5	5
主电机功率 Spindle motor power	kW	7.5	7.5	7.5	7.5	7.5	7.5

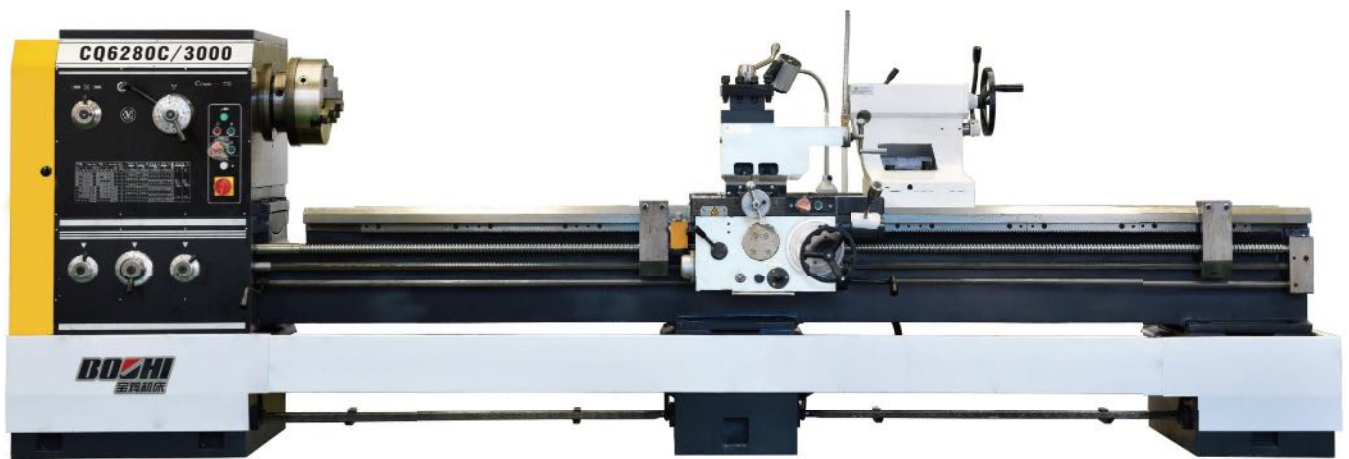
CQ系列马鞍车床

CQ6280B
CQ6280C

回转直径 Φ 800mm 的轻型普通车床

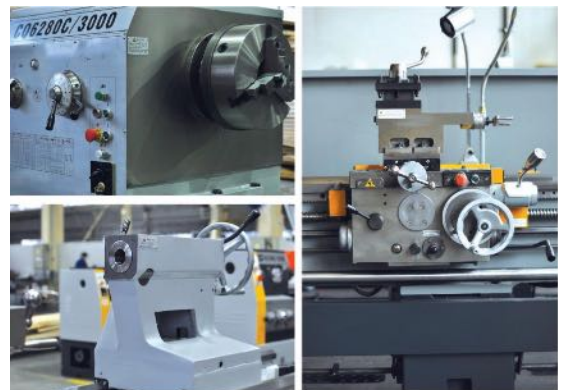
CQ series gap-bed lathe

Light duty engine lathe with swing diameter of ϕ 800 mm



参数列表 / Parameter List

项目 / Item	单位 / Unit	参数 / Parameters	
		CQ6280B	CQ6280C
床身上回转直径 Swing over bed	mm	ϕ 800	
床鞍上回转直径 Swing over slide	mm	ϕ 580	
两顶尖之间最大距离 Max. workpiece length	mm	2000/3000	
主轴头型式 Spindle nose		ISO 702/II NO.8 短凸轮锁紧型(cam-lock)	
主轴通孔直径 Spindle thro-hole	mm	Φ 82	Φ 105
主轴转速范围 Spindle speed	r/min	24级steps 8-1400rpm	12级steps 30-1400rpm
刀具截面 Tool section	mm	25 \times 25	
上刀架的最大行程 Max. travel of compound rest	mm	145	
下刀架的最大行程 Max. travel of cross slide	mm	320	
尾座套筒直径/行程 Tailstock quill diameter /travel	mm	Φ 90/150	
尾座套筒锥度 Taper of quill	mm	5	
主电机功率 Spindle power	kW	7.5	



C系列车床

C series lathe

C6163B
C6180A
C6263B
C6280B

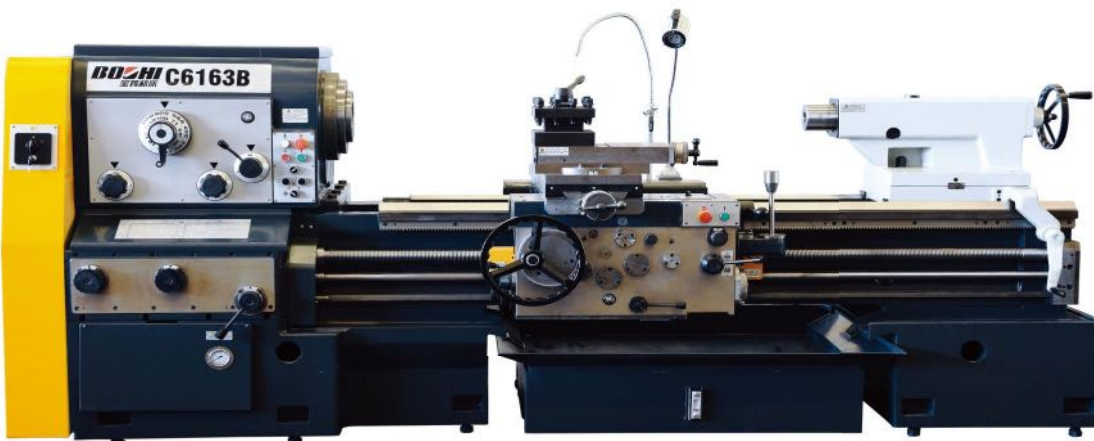
机床特点描述 / Machine Features Description

- 1) 适用于各种车削加工，如车削内外圆柱面、圆锥面、以及其它回转面、端面，还可加工各种常用螺纹——如公制、英制、模数、经节螺纹，以及钻，铰，攻丝，拉削线槽等工作。
 - 2) 床身有1500mm，2000mm，3000mm，4000mm四种规格可选。
- 1) Suitable for various cuttings, such as ID and OD turning, taper turning, other revolving surfaces turning, facing, threading of metric, inch, module and DP threads, drilling, reaming, tapping and slot cutting, etc.
- 2) Three length of machine is available: 1500mm, 2000mm, 3000mm and 4000mm.

C6163B、C6180A、C6263B、C6280B：中型普通卧式车床
C6163B, C6180A, C6263B, C6280B: medium size horizontal engine lathe

参数列表 / Parameter List

项目/Items	单位 / Unit	参数 / Parameters			
		C6163B	C6180A	C6263B	C6280B
床身上回转直径 Max. swing over bed	mm	Φ660	Φ830	Φ660	Φ830
床鞍上回转直径 Max. swing over slide	mm	Φ400	Φ540	Φ400	Φ540
两顶尖之间最大距离 Max. workpiece length	mm	1500/2000/3000/4000		1500	1500
主轴头型式 Spindle nose		A1-11		A1-11	A1-11
主轴通孔直径 Spindle thru-hole	mm	Φ105			
主轴转速范围 Spindle speed	r/min	14级 steps 12.5~1120 rpm		14级 steps 12.5~1120 rpm	14级 steps 12.5~1120 rpm
刀具截面 Tool section	mm	32X32			
上刀架的最大行程 Max. travel of compound rest	mm	200			
下刀架的最大行程 Max. travel of cross slide	mm	480	515	480	515
尾座套筒直径/行程 Tailstock quill diameter/ Max. travel of quill	mm	Φ100/250		Φ100/250	Φ100/250
尾座套筒锥度 Diametric pitch threads	MT	5			
主电机功率 Spindle motor power	kW	11			



加工中心

MACHINING CENTER

五轴加工中心 / 五轴铣车中心(BMC-500TV五轴联动 BMC-500T四轴联动)
5-axis center / 五轴加工中心(BMC-630V五轴加工中心 FV170门型五轴立式加工中心)

立式加工中心 VMC / 高速型 标准型 实用型

卧式加工中心 HMC / HMC500 HMC630 HMC800

龙门加工中心 / 18系列(BXH1820L BXH1830L BXH1840L)

Gantry type / 23系列(BHX2330L BHX2340L BHX2350L BHX2360L)

钻削中心 / ZH钻削中心(ZH7120E钻削中心)

Drilling center

高效率切削加工·减少人工劳动强度

HIGHLY EFFICIENT CUTTING CUTS THE WORKER LABOR INTENSITY.



五轴铣车中心

FIVE-AXIS MILLING MACHINE CENTER

BMC-500TV 五轴联动 **BMC-500T 四轴联动**
BMC-500TV Five-axis linkage **BMC-500T Four-axis linkage**

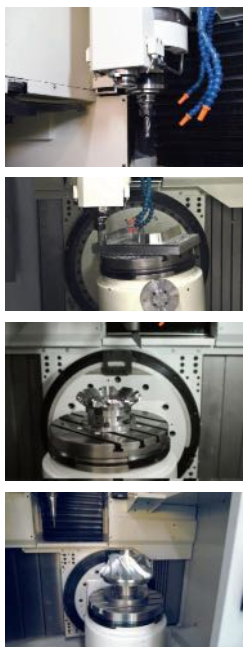
机床特点描述 / Machine Features Description

BMC-500TV为五轴五联动高档铣车复合加工中心，主机采用箱型滑枕结构，直驱BC双回转工作台，三轴滚动导轨，五轴全闭环控制。机床具有五轴联动铣削、复合立卧数控车功能，铣、车共用链式刀库，铣车模式无缝转换，高速高精度高可靠，一次装夹能完成多种切削。设备适用于对复杂曲面、多面体类零件的精密铣车复合加工，广泛应用于航空航天、船舶、汽车、刀具、高铁、医疗器械、模具、IT等制造业，属国家重大专项支持装备。

BMC-500TV is a high-end 5-axis synchronized milling and turning compound machining center. The main machine adopts box-type slide structure, direct drive BC double rotary table, three-axis rolling guideway and five-axis closed-loop control. The machine tool has the functions of five-axis synchronized milling and compound vertical and horizontal CNC lathe. Milling and turning share chain type tool magazine. Milling and turning mode is seamlessly converted. It has high speed, high precision and high reliability. One clamp can complete many kinds of cutting. The equipment is suitable for complex surface and polyhedron parts of precision milling and turning compound processing, widely used in aerospace, ships, automobiles, cutting tools, high-speed rail, medical equipment, dies, IT and other manufacturing industries, is an equipment supported by National Major Project.

参数列表 / Parameter List

项目 / Item	单位/Unit	参数 / Parameters	
		BMC-500TV	BMC-500T
工作台尺寸 / Table area	mm	φ400	φ400
允许负载 / Permissible load	kg	150	150
行程(X/Y/Z) / Travel	mm	820/500/550	780/500/550
B轴倾角 / B axis angle	度	+130° ~ -130°	±100°×1°
C轴分度角 / C axis index angle	度	360°	360°
快移速度(X/Y/Z) / Rapid travel speed	m/min	48	48
B轴/C轴 / B axis/C axis	r/min	30/80	15/50
主轴锥孔 / Spindle taper hole	No.	BT40	BT40
主轴转速 / Spindle speed	r/min	100-15000 100-20000	100-15000
主轴电机功率(S1) Spindle motor power (S1)	kW	24	11/18.5
刀库容量 / ATC capacity	pcs	32	32



五轴加工中心

5-axis vertical machining center

BMC-630V 五轴加工中心

BMC-630V 5-axis vertical machining center

机床特点描述 / Machine Features Description

BMC-630V五轴立式加工中心，采用稳定的C型结构，标配高速电主轴\直驱数控转台和伺服刀库，可实现复杂零件的高速、高精度加工。广泛应用于新能源汽车电机、变速箱、发动机、模具、机器人、医疗器械等产品的制造。

BMC-630V 5-axis vertical machining center, with stable C type structure, standard with high speed electric spindle, direct drive NC rotary table and servo tool magazine, capable for high speed, high accuracy machining on complex parts. Widely application in machining products of new energy motor, gearbox, engine, mold, robot, medical apparatus etc.

参数列表 / Parameter List

项目 / Item	单位/Unit	参数 / Parameters	
		BMC-630V	
工作台尺寸 / Table area	mm	φ 630	
允许负载 / Permissible load	kg	500(水平)	300(垂直)
行程(X/Y/Z) / Travel	mm	600/450/400	
快移速度(X/Y/Z) / Rapid travel speed	m/min	36	
主轴锥孔 / Spindle taper hole	No.	BT40	
主轴转速 / Spindle speed	r/min	1500-12000	
主轴电机功率(S6) Spindle motor power (S6)	kW	11/15	
刀库容量 / ATC capacity	pcs	24	



装备精密高速丝杠，滚柱导轨，保证机床的刚性和精度。



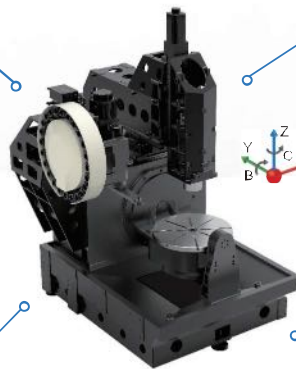
SINUMERIK 840D s强大的硬件架构以及智能的控制算法，辅助以出色的驱动和电机技术，使加工过程拥有极高的动态性能及精度。



自主研发BT40/HSKA63电主轴，高精度、高功率密度、高动态响应，大幅提高加工效率和加工精度，降低机床噪音和振动。



液压同步换刀技术，实现伺服刀库和伺服液压站协同控制，最快换刀时间可达1.8s。



自主研发BC双轴直驱数控转台，内置大扭矩力矩电机，高精度、高动态响应，大幅提升机床性能和应用范围。

立式加工中心

VERTICAL MACHINING CENTER

高精型立式加工中心: High Precision Vertical Machining Center
BM8-H

标准型立式加工中心: Standard Vertical Machining Center
VMC650B/L/H MVC650B/L/H VMC850B/L/H MVC850E/L/H VMC1060B/L/H MVC1060E/L/H VMC1370/MVC1370
VMC1580/MVC1580 VMC1690/MVC1690 VMC1890/MVC1890

实用型立式加工中心: Practical Vertical Machining Center
VMC850HL BV8H BV9HP



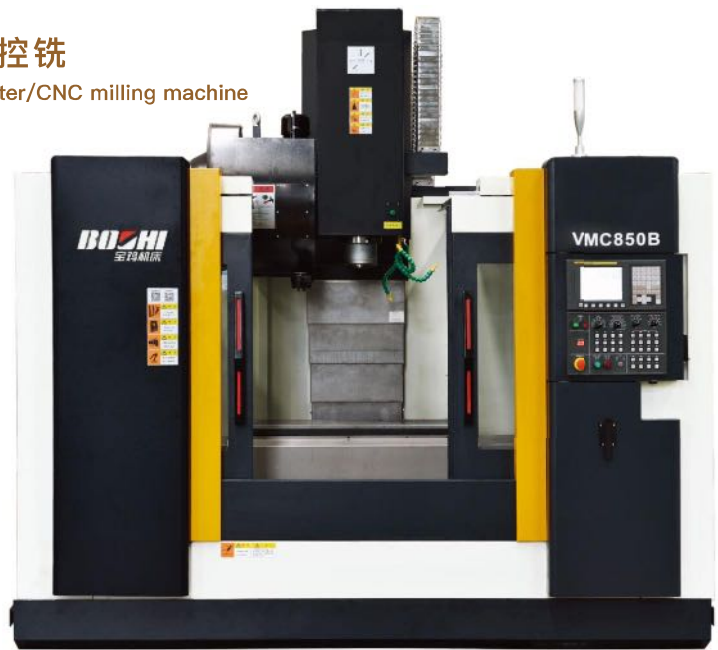
标准型立式加工中心VMC系列

Standard Vertical Machining Center VMC series

VMC850B / MVC850B VMC1370 / MVC1370 VMC1890 / MVC1890
 VMC1060B / MVC1060B VMC1580 / MVC1580
 VMC1270 / MVC1270 VMC1690 / MVC1690

高效高可靠性的立式加工中心 / 数控铣

High efficiency; Good reliability; Vertical machining center/CNC milling machine



参数列表 / Parameter List

项目/Items	单位/Unit	参数 / Parameters						
		VMC850B MVC850B	VMC1060B MVC1060B	VMC1270 MVC1270	VMC1370 MVC1370	VMC1580 MVC1580	VMC1690 MVC1690	VMC1890 MVC1890
工作台尺寸 / Table area	mm	500x1050	600x1300	700x1360	710x1400	800x1700	900x1800	900x2000
允许负载 / Permissible load	kg	600	1000	1000	1000	1500	1600	1800
行程(X/Y/Z) / Travel	mm	800/500/550	1000/600/600	1200/700/600	1300/700/650	1500/800/700	1600/900/680	1800/900/680
快移速度(X/Y/Z) / Rapid move speed	m/min	20/20/20	20/20/20	20/20/20	20/20/20	20/20/20	20/20/20	20/20/20
主轴锥孔 / Spindle taper hole	No.	BT 40	BT 40	BT 50	BT 50	BT 50	BT 50	BT 50
主轴转速 / Spindle speed	r/min	8000	8000	7000	7000	7000	7000	7000
主轴电机功率 / Spindle motor power	kW	7.5/11	7.5/11	11/15	11/15	15/18.5	18.5/22	18.5/22
刀具容量 / ATC capacity	pcs	16/20/24	20/24	24	24	24	24	24

标准型立式加工中心 VMC-L系列 VMC-H系列

Standard Vertical Machining Center VMC-L series, VMC-H series

VMC-L系列 VMC850L VMC1060L VMC1270L VMC1580L
MVC850L MVC1060L MVC1270L MVC1580L

机床特点描述 / Machine Features Description

- 1) XY向采用滚柱线轨、Z向采用滑动淬硬导轨。
- 2) VMC是带刀库的加工中心/MVC是不带刀库的数控铣。
- 3) 控制系统可选择FANUC/广数系统/KND/华中系统/SIEMENS/三菱系统/XY向采用滚柱线轨、Z向采用滑动淬硬导轨。
- 2) VMC stands for machining center with magazine; MVC for CNC milling machine without magazine.
- 3) Optional control systems FANUC, GSK, KND, IINC, SIEMENS, MITSUBISHI



VMC-H系列 VMC850H VMC1060H

机床特点描述 / Machine Features Description

- 1) C型结构、真“人”字型立柱、三向滚柱线轨，12000r/min直连短鼻主轴。
- 2) 可选配光栅尺全闭环控制。
- 1) C type vertical machining centers with A-shaped columns, roller guides in three axes and short nose 12000 r/min spindles directly connected.
- 2) Optional fully closed loop with encoders.



参数列表 / Parameter List

项目/Items	单位/Unit	参数 / Parameters					
		VMC850L MVC850L	VMC1060L MVC1060L	VMC850H	VMC1060H	VMC1270L MVC1270L	VMC1580L MVC1580L
工作台尺寸 / Table area	mm	500x1000	600x1300	1000x500	1300x600	700x1360	800x1700
允许负载 / Permissible load	kg	500	1000	500	1000	1000	1500
行程(X/Y/Z) / Travel	mm	800/500/600	1000/600/600	800x500x600	1000x600x600	1200x700x600	1500x800x700
快移速度(X/Y/Z) / Rapid move speed	m/min	32/32/20	24/24/20	48/48/48	36/36/32	24/24/20	24/24/20
主轴锥孔 / Spindle taper hole	No.	BT 40	BT 40	BT40	BT40	BT50	BT50
主轴转速 / Spindle speed	r/min	8000	8000	12000	12000	7000	7000
主轴电机功率 / Spindle motor power	kW	7.5/11	7.5/11	7.5/11	7.5/11	11/15	15/18.5
刀库容量 / ATC capacity	pcs	16/20/24	20/24	24	24	24	24

立式加工中心 BV8H BV9HP

Practical Vertical Machining Center BV8H /BV9HP

三向滚柱线轨

Roller linear guide-ways in three axes



参数列表 / Parameter List

项目 / Items	单位/Unit	参数 / Parameters	
		BV8H	BV9HP
工作台尺寸 / Table area	mm	550x1000	500x1100
允许负载 / Permissible load	kg	500	600
行程(X/Y/Z) / Travel	mm	800/550/5500	900/550/600
快移速度(X/Y/Z) / Rapid move speed	m/min	48/48/48	48/48/48
主轴锥孔 / Spindle taper hole	No.	BT40	BT40
主轴转速 / Spindle speed	r/min	8000	12000
主轴电机功率 (连续/30分钟) Spindle motor power	kW	7.5/11	14
刀库容量 / ATC capacity	pcs	24	24

卧式加工中心系列

HORIZONTAL MACHINING CENTER SERIES

高精度·高速卧式加工中心

High accuracy; high speed

HMC系列

HMC500
HMC630
HMC800

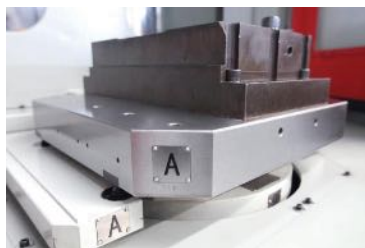
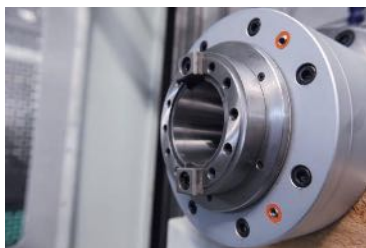
箱体、模具等高精制造行业的切削利器

HMC series

A good machine for high precision manufacturing industry to cut cases and dies/moulds

机床特点描述 / Machine Features Description

- 1) 正T型阶梯床身结构
 - 2) 大导程高精度强制冷却进给系统
 - 3) XYZ直线轴，+360°×1旋转B轴
 - 4) 三轴滚柱线轨
 - 5) 强制冷却主轴
 - 6) 三轴光栅尺全闭环
 - 7) 双交换工作台
 - 8) 主轴、丝杠及其轴承强制冷却
 - 9) 双螺旋排屑器+链式排屑器
 - 10) 主轴、光栅尺气幕保护
 - 11) 主轴自重气平衡系统
- 1) T-shaped stair type bed
 - 2) Large-lead high precision forced cooling feed system
 - 3) X, Y and Z linear axes, 360°×1 rotating B-axis
 - 4) X-axis, Y-axis and Z-axis linear roller ways
 - 5) Forced cooling spindle
 - 6) X-axis, Y-axis and Z-axis encoder full-closed loop
 - 7) Double pallet table
 - 8) Forced cooling for spindle, screws and their bearings
 - 9) Double spiral chip conveyor and chain chip conveyor
 - 10) Air curtain protection of spindle and encoders
 - 11) Spindle gravity air balancing system



参数列表 / Parameter List

项目 / Items	单位 / Unit	参数 / Parameters			
		HMC500	HMC630	HMC800	
移动 Travel	X轴 / X-axis	mm	850	1000	1350
	Y轴 / Y-axis	mm	700	850	1100
	Z轴 / Z-axis	mm	800	850	1120
	主轴端到工作台中心的距离 / Distance from spindle nose to center of table	mm	70-870	200-1050	200-1320
工作台及托盘 Table and pallet	主轴中心到工作台面距离 / Distance from spindle center to top of pallet	mm	75-775	75-925	75-1175
	工作台尺寸 / Size of table	mm	500x500	630x630	800x800
	工作台分度 / Indexing of table	Deg	360x1°(0.001°)	360x1°(0.001°)	360x1°(0.001°)
	工作台类型 / Type of table		24-M16	24-M16	24-M16
	工作台承载能力 / Loading capacity of table	kg	500	1200	2000
	最大工件尺寸 / Max. workpiece size	mm	Φ750, H850	Φ1000, H1000	Φ1300, H1300
	托盘交换型式 / Change type of pallet		旋转式Rotating	旋转式Rotating	旋转式Rotating
	托盘交换时间 / Change time of pallet	s	12	20	24
	托盘个数 / Number of pallets		2	2	2
	工作台离地面距离 / Height of table from floor	mm	1150	1305	1300
主轴 Spindle	主轴转速 / Spindle speed	r/min	7000	6000	6000
	主轴功率 / Spindle power	kW	15/18.5	18.5/22	22/26
	主轴扭矩 / Spindle torque	Nm	95.4/117	471/560	560/664
	锥孔 / Taper hole		BT50	BT50	BT50
进给 Feed	主轴冷却 / Spindle cooling		强制冷却Forced cooling	强制冷却Forced cooling	强制冷却Forced cooling
	导轨 / Guide way		滚柱线性导轨Linear roller ways	滚柱线性导轨Linear roller ways	滚柱线性导轨Linear roller ways
	快速进给速度X/Y/Z/B / Rapid traverse of X, Y, Z, and B-axis	m/min	36/36/36	36/36/36	32/32/32
刀具装置 Tool changer	切削进给速度X/Y/Z/B / Cutting feed of X, Y, Z, and B-axis	mm/min	12000	12000	12000
	丝杠冷却 / Cooling of screw		强制冷却Forced cooling	强制冷却Forced cooling	强制冷却Forced cooling
	三轴光栅 / Encoder of three axes		选配Optional	选配Optional	选配Optional
其它 Others	刀具容量 / Capacity (pc)	pc	40 (60,90)	60 (40,90)	60 (40,90)
	刀具交换方式 / Tool change type		机械手Manipulator	机械手Manipulator	机械手Manipulator
	刀具选择方式 / Tool selection type		随机, 双向Random, bidirection	随机, 双向Random, bidirection	随机, 双向Random, bidirection
	刀具最大重量 / Max. weight of tool (kg)	kg	25	25	25
	最大刀具直径(满刀/邻空) / Max. diameter of tool (occupied/empty adjacency)	mm	125/250	125/250	120/240
	最大刀具长度 / Max. length of tool	mm	350	400	400
	刀柄型式 / Type of tool shank		MAS403 BT50	MAS403 BT50	MAS403 BT50
	拉钉型式 / Type of drawbar		MAS403 P50T-1 (45°)	MAS403 P50T-1 (45°)	MAS403 P50T-1 (45°)
精度 Accuracy	换刀时间 (T-T) / Tool change time (T-T)	S	3.5	3.5	4.6
	双向定位精度 / Bidirectional positioning	mm	0.010	0.010	0.012
	配光栅尺双向定位精度 / Bidirectional positioning in case encoder	mm	0.008	0.008	0.010
	双向重复定位精度 / Bidirectional repeatability	mm	0.008	0.008	0.009
	配光栅尺双向重复定位精度 / Bidirectional repeatability in case encoder	mm	0.005	0.005	0.006
其它 Others	工作台分度定位精度 / Indexing accuracy of table	"	15	15	15
	工作台重复分度定位精度 / Repeatedly indexing accuracy of table	"	±3	±3	±4
	数控系统 / Controller		FANUC OiMF	FANUC OiMF	FANUC OiMF
	气源 / Air source	MPa	0.6-0.8	0.6-0.8	0.6-0.8
	切削液槽容量 / Capacity of cutting fluid tank	L	500	600	600
	电源 / Power source	kw	50	65	70
其它 Others	机床外形尺寸 / Dimensions of machine	mm	5150X3845X2975	5800X4400X3500	9100X5600X3900
	机床重量 / Weight of machine	kg	20000	23000	25000

龙门加工中心

GANTRY MACHINING CENTER SERIES

高刚性·大型龙门式铣削利器

High rigidity; large gantry frame; good milling machine

18系列/23系列龙门铣床/龙门加工中心

高刚性多功能大型制造装备，主要用于大型零件、模具等多品种加工，广泛适用于航空、航天、汽车、模具、重机、机车、造船、机电、机床、印刷、轻纺等制造行业。

18/23 series gantry type milling machine/ machining center

Large-duty manufacturing equipment with high rigidity and multiple function; it is mainly used for multi work machining---large size work pieces and dies/moulds. Suitable for use in aerospace, automotive, die/mould, heavy machinery, locomotive, shipbuilding, electromechanical, machine tool, printing, textile industries and light industries.

机床特点描述 / Machine Features Description

- 1) 配备FANUC Oi-MD系统，可选配FANUC 18i或SIEMENS 840D。
- 2) 台湾产6000rpm皮带式主轴。
- 3) 40把链式刀库。
- 4) XY轴进口滚柱线轨。
- 5) 主轴箱液压自动平衡系统。
- 6) 螺旋式排屑器+链式排屑器。
- 7) 主轴锥孔清洁吹气。
- 8) 自动润滑系统。
- 9) 加高半防护。
- 10) 刚性攻丝。
- 11) 可选配：主轴油冷，ZF减速机，第四轴工作台，手动90°角度头，自动刀长量测系统。

- 1) Equipped with FANUC oi-MD controuer, FANUC 18i and SiEMENS 840D are optional.
- 2) Taiwan made belt driven spindle 6000rpm
- 3) Chain type magazine 40 tools
- 4) Imported X-axis and Y-axis roller linear guides
- 5) Auto hydraulic balancing system of spindle head
- 6) Spiral chip conveyor together with chain chip conveyor
- 7) Air blow in spindle taper hole for cleaning
- 8) Auto lubrication system
- 9) Half guarding
- 10) Rigid tapping
- 11) Optional: oil cooler of spindle, ZF speed reducer, fourth axis table,



参数列表 / Parameter List

项目 / Items		单位 Unit	18系列龙门铣床 (BXK)、龙门加工中心 (BXH) 18 series gantry milling machine (BXK) gantry machining center (BXH)			23系列龙门铣床 (BXK)、龙门加工中心 (BXH) 23 series gantry milling machine (BXK) gantry machining center (BXH)				
			BXK1820L BXH1820L	BXK1830L BXH1830L	BXK1840L BXH1840L	BXK2330L BXH2330L	BXK2340L BXH2340L	BXK2350L BXH2350L	BXK2360L BXH2360L	
工作台 Work Table	工作台面积(宽X长) / Able area (W x L)	mm	1800X2000	1800X3000	1800X4000	2300X3000	2300X4000	2300X5000	2300X6000	
	T型槽(数目×尺寸×间距) T-slot(number×dimension x space)	mm		9-22X180			11-28X200			
	允许负载 / Permissible load	Kg	4000	6000	10000	8000	12000	15000	18000	
主轴 Spindle	主轴锥孔 / Spindle taper hole	No.		BT50			BT50			
	主电机功率(连续/30min.过载) Spindle motor(power/30min.overload)	KW		22/26			22/26			
	主轴最高转速 / Max. spindle speed	rpm		6000			6000			
行程 Travel	工作台左右行程 / X Right and left travel of table (X-axis)	mm	2200	3000	4000	3000	4000	5000	6000	
	主轴箱前后行程(Y) Rear and front travel of spindle box (Y-axis)	mm		2200			2700			
	主轴箱上下行程(Z) Up and down travel of spindle box (Z-axis)	mm		1000			1000			
	主轴端面至工作台距离 Distance of spindle nose to table face	mm		250-1250			260-1260			
	龙门宽度 / Gantry width	mm		2200			2700			
进给 Feed	X轴快速移动 / X-axis rapid traverse	mm/min	10000	8000	6000	8000	6000	6000	5000	
	Y轴快速移动 / Y-axis rapid traverse	mm/min		10000			10000			
	Z轴快速移动 / Z-axis rapid traverse	mm/min		10000			10000			
	最大切削进给速度 / Max. cutting feedrate	mm/min	5-5000	5-5000	5-5000	5-5000	5-5000	5-5000	5-5000	
刀库 Magazine (铣床无此项)	刀具规格 / Tool specification	/	BT50	BT50	BT50	BT50	BT50	BT50	BT50	
	刀库容量 / Magazine capacity	Pcs		40			40			
	换刀方式 / Tool change type	/	双向任意 Any of two-directions			双向任意 Any of two-directions				
	ATC换刀时间 / Tool change time of ATC	S		3.55 (T-T)			3.55 (T-T)			
	最大刀具尺寸 / Max. tool size	mm		φ125X400			φ125X400			
	最大刀具重量 / Max. tool weight	Kg		18			18			
机床精度 Machine accuracy	定位精度 Positioning accuracy	X X-axis	mm	0.032	0.032	0.032	0.032	0.032	0.032	0.032
		Y Y-axis			0.032			0.032		
		Z Z-axis			0.025			0.025		
	单向重复定位精度 One direction repeatability	X X-axis	mm	0.013	0.013	0.013	0.013	0.013	0.013	0.013
		Y Y-axis			0.013			0.013		
		Z Z-axis			0.010			0.010		
其它 Other	机床重量 / Machine weight	Kg	28000	34000	38000	43000	48000	53000	63000	
	机床长X宽X高 / Length x width x height	mm	7200X3700X4800	9200X3700X4800	11200X3700X4800	9500X4400X4800	11600X4400X4800	14000X4400X4800	16500X4400X4800	



专精特数控机床

SPECIAL CNC MACHINE

数控卧式轮毂车床 Horizontal Hub CNC lathe: HW22/CK7660LD/CK7670LE

数控立式轮毂车床 Vertical Hub CNC lathe: BDVL28/VW24T

数控管螺纹车床 Pipe thread CNC lathe: QK1212/19/27/35

数控珩磨机2MK2218系列 CNC Honing machine: 2MK2206S-2/2MK2218/2MK2218A/2MK2218B/2MK2218S



数控卧式轮毂车床

HW22伺服刀架
CK7660LD
CK7670LE

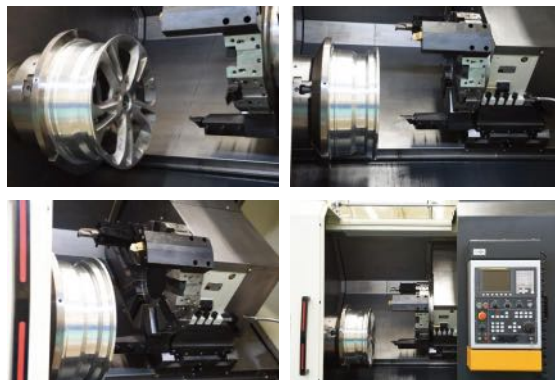
铝合金轮毂车削加工专家

Specially for cutting aluminum alloy wheels

机床特点描述 / Machine Features Description

高强度铸铁斜床身结构，淬硬+贴塑导轨副、精密滚珠丝杠副，主轴单元采用精密角接触球轴承和双列圆柱滚子轴承、伺服驱动，多工位转塔式液压刀架，HW22是伺服刀架，高档数控系统控制。铝合金轮毂车削加工专用数控车床。

The machine is designed with high grade cast iron integrated base and slant bed, hardened bed ways, plastics-coated carriage and tailstock ways, and precision ball screw pairs. The spindle is supported by precision angular contact ball bearings and double row roller bearings, driven by a servo motor. The machine is equipped with multi-station hydraulic turret and controlled by high class CNC controller. It is a special purpose CNC lathe for machining aluminum alloy wheels.



参数列表 / Parameter List

项目 / Item	单位 / Unit	HW22	CK7660LD	CK7670LE
最大回转直径 / Max. swing dia. over bed	mm	Φ790	Φ750	Φ830
最大车削直径 / Max. turning dia.	mm	Φ620	Φ630	Φ680
主轴转速 / Spindle speed	r/min	22-2500	20-2500	22-2200
主轴电机功率 (连续/30分钟) Main motor power (continued/30minutes)	kW	30/37	37/45	37/45
行程(X/Z) / Travel (X/Z)	mm	30+350/750	350/750	360/880
快移速度(X/Z) / Rapid Travel Speed(X/Z)	m/min	16/20	16/20	16/20
最大加工轮毂直径 Maximum processed hub diameter	in	22	22	24



数控立式轮毂车床 | VW24T

VERTICAL HUB CNC LATHE VW24T

机床特点描述 / Machine Features Description

VW24T数控立式双刀架车床是针对汽车轮毂加工开发的一款高效机床。机床拥有单主轴双刀架，由双通道数控系统控制，两个六工位伺服刀架可各自独立对刀和进给，两个刀架可同时对轮毂进行内外圈加工，应用灵活，通用性强；一套控制控制两套进给，加工效率高，占地面积小。

- 1.立式结构，排屑流畅，装夹工件方便；
- 2.高强度铸铁底座、立柱，吸震性好，精度保持性优良；
- 3.主轴采用套筒结构，套筒采用对称、悬挂设计，高刚度主轴，低速大扭矩主轴电机，主轴润滑采用进口高级润滑油润滑，全封闭，免维护；
- 4.六工位伺服刀架，刚性高、换刀迅速、可靠；
- 5.冷却水箱采用分离式，移动、清洁方便；
- 6.全封闭防护，安全，可靠，环保；
- 7.集中式机床操作面板，操作方便、快捷；
- 8.各种计量单位全部符合国际单位制（SI）。

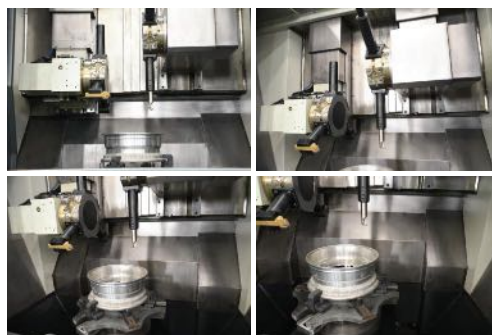
VM24T dual-turret vertical CNC lathe is specially developed for vehicle hub production. The machine has single spindle and dual turrets, controlled by dual channel NC control system, two 6-station servo turrets can set tool and feed independently, two turrets can do machining on internal and external face of hub simultaneously, flexible and universal application, one control system for two feeding system, high efficient machining, small floor occupation.

- 1.Vertical structure, easy chip removal and workpiece clamping.
- 2.High rigidity iron casting machine base and column, good shock absorption and accuracy stability.
- 3.Spindle with sleeve structure. The sleeve is symmetrical and suspension design, rigid spindle, strong torque motor in low speed. Spindle lubrication with imported advanced grease, fully covered, maintenance free.
- 4.6-station servo turret, high rigid, reliable fast tool change.
- 5.Coolant tank with separated type, movable, easy cleaning.
- 6.Full covered guard, safe, reliable, environment protection.
- 7.Concentrated operation panel, easy and fast operating.
- 8.All measuring units are according with International unit system (SI).



参数列表 / Parameter List

项目 / Item	单位 / Unit	VW24T
最大回转直径 / Max. swing dia. over bed	mm	Φ870
最大车削直径 / Max. turning dia.	mm	26" (660mm)
主轴转速 / Spindle speed	r/min	20-2200
主轴电机功率 (连续/30分钟) Main motor power(continued/30minutes)	kW	45/55
行程(X/Z) / Travel (X/Z)	mm	520/550
快速速度(X/Z) / Rapid Travel Speed(X/Z)	m/min	16/16



数控管螺纹系列车床

QK1212
QK1219

QK1227
QK1235

适用于石油、天然气等管道加工

CNC pipe threading lathes

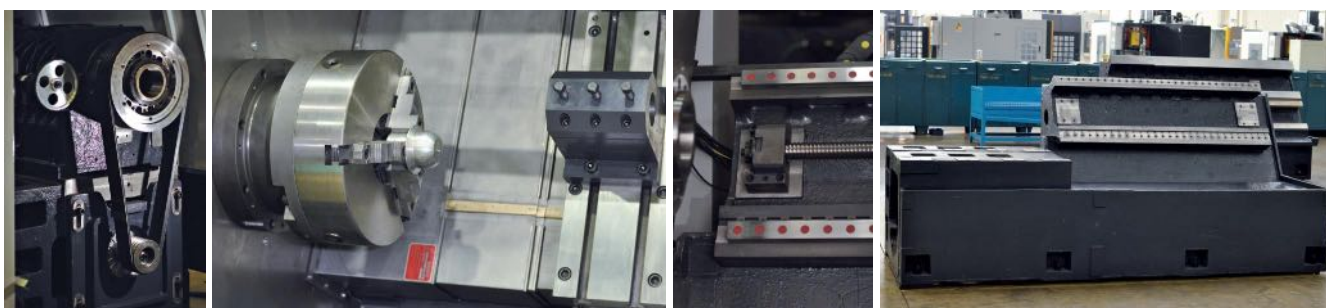
Suitable for threading pipes in petroleum/natural gas industry

机床特点描述 / Machine Features Description

QK12系列是具有大跨距主轴箱结构，整体式斜床身，宽跨距直线圆柱滚动导轨的全功能数控管螺纹专用车床。

QK12 series are special purpose, pipe threading CNC machines with full function.

Features: large span spindle head, integrated slant bed, cylindrical roller linear guide of wide span.





参数列表 / Parameter List

项目 / Items	单位 / Unit	参数 / Parameters			
		QK1212	QK1219	QK1227	QK1235
最大回转直径 Swing over bed	mm	Φ500	Φ600	Φ800	Φ880
床鞍最大回转直径 Swing over carriage	mm	Φ280	Φ280	Φ540	Φ540
最小/最大管子直径 Min/Max diameter of pipe	mm	Φ60.3/Φ120	Φ60.3/Φ190	Φ110-Φ270	Φ110-Φ340
主轴转速 Spindle speed	r/min	150-1000	150-800	40-400	30-320
主轴通孔直径 Spindle hole diameter	mm	Φ130	Φ196	Φ285	Φ355
刀具尺寸 (车削) Tool size (turning)	mm	32X32	32X32	32X32	32X32
刀具尺寸 (镗孔) Tool size (boring)	mm	Φ60	Φ80	Φ80	Φ80
主轴电机功率 spindle motor power	kw	15	22	37	45



自动化智能化产品

AUTOMATIC INTELLIGENT PRODUCTS

卓越的性能和方案，构建最佳的生产系统
使加工和制造变得简单高效

Remarkable performance and impressive solutions;
To constitute best production systems;
To simplify operation with higher efficiency



桁架机器人 / 柔性车削加工单元DK2010 BC3751R数控车床（单元） BHL系列桁架机器人 BHW系列无线桁架机器人

关节机器人 / BRX10 柔性加工单元 BLG20及轮毂加工智能生产线

两台以上数控机床配置桁架机器人或关节机器人及料库、检测装置等组成自动化生产系统

BC3751R 数控车床(单元)

机床特点描述 / Machine Features Description

BC3751R是一款高效数控车削加工单元，该机床主要用于加工盘、盖类零件，特别适用于汽车、摩托车、工程机械等行业零件的大批量加工。机床整机结构紧凑，加工范围大且占地面积小、刀盘对边尺寸大、快移速度高、性价比高。配备自动上下料机械手和八工位料库，可进行单机加工或多机联线，实现无人化操作。

BC3751R is a high-efficiency flexible machining unit for turning disc-type workpieces in motorcycle, automotive and engineering machinery fields. The machine has compact structure, large processing range and small area occupation, large opposite edge of turret disc, high speed and high cost performance ratio. Equipped with automatic loading and unloading manipulator and 8-position stock, it can be processed by single machine or multi-machine on-line to realize unmanned operation.

参数列表 / Parameter List

项目 / Item	单位 / Unit	参数 / Parameters
		BC3751R
最大回转直径 / Max.swing diameter	mm	Φ550
最大车削直径 / Max.turning diameter	mm	Φ370
最大车削长度 / Max.turning length	mm	100
卡盘直径 / Chuck diameter	in	8
最大棒料直径 / Max. bar dia	mm	Φ51
主轴转速 / Spindle speed	r/min	50-4500
主轴电机功率(连续/30分钟) / Main motor power(continued/30minutes)	KW	11/15
床鞍行程(X/Z) / Saddle travel	mm	210/510
床鞍快移速度(X/Z) / Saddle rapid travel speed	m/min	30/30
机械手最大夹持直径 / Maximum clamping diameter of manipulator	mm	Φ90
单爪抓取工件重量 / One claw grabs the workpiece weight	kg	4
快速移动速度 X/Z / Fast moving speed X/Z	m/min	160/140
移动距离X/Z / Travel X/Z	mm	620/1900
重复定位精度 / Repeated positioning accuracy	mm	±0.15
工位数 / Number of seats		8
搬运工件尺寸 / Porter Parts Size	mm	Ø25-Ø140
单工位承重 / Single station load-bearing	kg	50
总重量 / Total weight	kg	6000



桁架机械手 自动化加工单元

自动化·智能化·高效率的成套方案
Auto manufacturing cell equipped
with gantry type robot
Automatization; intelligitization; complete efficient
solutions



机床特点描述 / Machine Features Description

主要组成有：两台或多台数控车床呈一条线布列，一套桁架机械手系统、一套自动上下料及检测装置等设备，成一字型排布，可满足盘、轴类零件大批量加工要求。

Its is mainly made up of 2 or more CNC lathes, a trussed frame mechanical finger, an auto load/unloading device and a testing system, arranged in a line; suitable for machining disk type and shaft type workpieces in large batches.



关节式机器人自动化加工单元 BRX10

用于盘、盖类零件车削加工与物流传送的自动化加工系统

Auto manufacturing cell equipped with joint robot
BRX10

For disk/plate type work machining and logistics delivery

机床特点描述 / Machine Features Description

BRX10: 采用两台机床对面布置，配备六关节机器人可实现无人化操作。

with two machines located face to face and 6-articulated robot unattended operation can be performed.

参数列表 / Parameter List

项目 / Items	单位 / Unit	参数 / Parameters	
		BRX10	
机器人 Robot	最大负荷重量 Max. loading weight	kg	12
	重复定位精度 Repeatability	mm	±0.05
	最大动作范围 Movement scope	mm	Φ1420
料库 Workpiece magazine	最大工件直径 Max. workpiece diameter	mm	Φ125
	提升行程 Lifting travel	mm	400
	工位数 Position quantity		8



轮毂自动化加工单元 BLG20 及轮毂加工智能生产线

自动化·智能化·高效率的轮毂加工成套方案
Auto manufacturing cell for wheels
BLG20 And hub processing intelligent production line
Automatization; intelligentization; complete efficient solutions for wheel machining

机床特点描述 / Machine Features Description

BLG20轮毂加工单元主要用于汽车铝制轮毂的自动化加工，该轮毂加工单元可满足目前市场上17寸至20寸铝制轮毂的加工要求。其加工单元主要组成有：两台轮毂加工专用数控车床、一台立式加工中心、一台六关节工业机器人、一套自动上、下料库及产品识别装置、一套在线检测装置和一套铝屑清理装置等设备，单元成环岛式排布，可针对不同场地进行模块化布局，多个单元可通过一套双层运送长料道连接为一体。
多个轮毂加工单元可组成高效、智能的轮毂加工生产线。



BLG20 wheel hub processing cell is mainly used for automatic processing of automotive aluminum hubs. The wheel hub processing cell can meet the processing requirements of 17-20 inch aluminum hubs in the current market. The main components of the processing cell are: two special CNC lathes for hub processing, a vertical machining center, a six-joint industrial robot, a set of automatic loading and unloading storage system and product identification device, an on-line detection device and a set of aluminum chip cleaning device, etc. The cell is arranged in a ring-island mode, and can be modularized for different sites. Multiple cells can be connected through a long double-layer transport path.

Multiple hub processing units can constitute an efficient and intelligent hub processing production line.

参数列表 / Parameter List

项目 / Items	单位 / Unit	参数 / Parameters
		BLG20
加工轮毂尺寸范围 Hub size for machining	in	17-20
工业机器人腕部负重 Loading capacity on robot wrist	kg	165
工业机器人腕部有效半径 Valid radius of robot wrist	mm	R2655
轮毂车床身上最大回转直径 Hub lathe swing over bed	mm	Φ870
轮毂车床主电机功率 (连续/30min) Hub lathe main motor power (cont./30min)	kW	45/55
立式加工中心工作台面积 Vertical machining center worktable size	mm	600X1300
立式加工中心主轴电机功率 (连续/15min) Vertical machining center spindle motor power (cont./15min)	kW	7.5/11



发展格局

Development Pattern

四大产业：高档数控机床及数控刀具产业、新能源汽车关键零部件制造产业、机床再制造及服务产业、高端医疗、制药设备及备件生产产业；

FOUR LEADING INDUSTRIES: High-end CNC machines and machine tools; Key parts for new energy automobiles; Machine reformation and services; High-end medical and pharmaceutical equipment and its spare parts.

一个出口：以“一带一路”为主的外贸进出口振兴计划

ONE FOR INTERNATIONAL TRADE: Revitalization plan on import and export business mainly involves the “Belt and Road”.

五大发展目标：基础管理达标；产品结构升级；产业结构合理；员工福利配套；品牌知名度提升

FIVE DEVELOPMENT TARGETS: Improve basic management; Upgrade product structure; Advance industrial structure; Improve staff welfare; Promote brand popularity.

فروشگاه کانون ابزار

ali5.ir

021 66 39 39 00 - 0912 147 30 23

让宝鸡机床成为客户首选

Make BAOCHI MACHINE become customers' first choice.

公司秉承“以客户需求为导向，善于质疑，敢于超越”的创新理念和“让宝鸡机床成为客户首选”的营销理念，先后在国内主要城市设立了营销服务机构，覆盖全国各省、市、自治区，为用户提供快捷满意的个性化服务；并建立多家国外合作伙伴，产品外销美国、加拿大、德国、俄罗斯、墨西哥、印尼、马来西亚等50多个国家和地区。

We adhere to the "customer demand-oriented, good at questioning, dare to surpass" innovative concept and "make BOCHI machine become customers' first choice" marketing concept, It has set up services marketing centers in domestic major cities covering all provinces, municipalities and autonomous regions. These centers supply individualized services to customers to their satisfaction quickly. Several partners are built in foreign countries. Products are sold to over 50 countries and regions—the USA, Canada, Germany, Russia, Mexico, Indonesia and Malaysia.

فروشگاه کانون ابزار
ali5.ir

021 6639 39 00 - 0912 147 30 23