



XKH 系列五轴联动叶片加工中心

XKH Five Axis Turbine Blade Machining Center

XKH系列五轴联动叶片加工中心是为满足各类叶片加工的需要，应用国际先进技术，最新构思设计研发的高效、高精度五轴联动叶片加工中心。机床适合加工汽轮机、燃气轮机、航空发动机的各种动、静叶片及各类窄长形特殊性面的零件，涵盖了多种用途、多种规格和多种材质（如高强度钢、不锈钢、高温合金、钛合金等）叶片加工范围，广泛用于航空航天、能源等行业。

XKH series product is specially designed for turbine blade machining with high efficiency and accuracy. The machine, which is suitable to process various shapes and materials (such as high-rigid steel, stainless steel, super alloy and titanium alloy) of turbine or gas turbine blade as well as narrow complicated contour parts, have been widely used in electric power, aviation and military industry and etc.

技术参数

Technical parameters

项目 ITEM	单位 UNIT	XKH1600	XKH800	XKH800A	XKH400A
A轴端面至顶尖最大距离 Max. Distance from shaft A to tail Stock	mm	1600	800	800	400
A轴最大回转半径 Max. Rotary radius of shaft A	mm	220	220	220	150
X、Y、Z轴 X、Y、Z axis	mm	2200/400/400	1250/400/400	1560/500/400	500/300/400
A轴 A axis			360°		
B轴 B axis			±40°		
X、Y、Z轴 X、Y、Z axis	m/min	Max. 15	Max. 15	Max. 15	Max. 30
A轴 A axis	r/min	Max. 45	Max. 90	Max. 90	Max. 120
B轴 B axis	r/min	Max. 12	Max. 12	Max. 12	Max. 30
主轴转速 Speed	rpm	60-10000	60-10000	60-10000	60-15000
主轴锥孔 Spindle taper			HSK63		
主轴电机功率 Spindle motor power	Kw	25	25	25	21
刀库容量 Tool magazine capacity	pcs		12/16		



XKR 系列-双摆转台五轴联动加工中心

XKR Five-axis Blade Wheel Machining Center

XKR系列双摆转台五轴联动加工中心主要用于各种燃机、压气机叶轮和小型模具、特型箱体等形状复杂的零件高效五轴加工，是航空、航天、汽车、模具等行业必不可少的设备。这种机床是目前用途最广，技术最先进的五轴联动机床。

XKR series with rotary-tilt unit are mainly applied to machine turbine wheels, small-sized dies and other complicated spare parts. It is one kind of main and necessary equipment in aviation, autos, moulds and aviation industries.

技术参数

Technical parameters

项目 ITEM	单位 UNIT	XKR25	XKR32	XKR40	XKR50A	XKR63
工作台直径 Work table dia.	mm	250	320	400	500	630
A轴端面至顶尖最大距离 Max. Distance from shaft A to tail Stock	mm	140-460	140-460	150-550	150-610	150-610
X、Y、Z轴 X、Y、Z axis	mm	520/260/320	520/260/320	500/500/400	650/650/460	650/650/460
A轴 A axis		-10°+100°	-10°+100°	-110°+10°	-110°+30°	-110°+30°
C轴 C axis		360°	360°	360°	360°	360°
X、Y、Z轴 X、Y、Z axis	m/min	20	20	30	30	30
A轴 A axis	r/min	25	15	20	20	20
C轴 C axis	r/min	25	20	20	20	20
主轴转速 Speed	rpm	18000	10000	10000	16000	16000
主轴锥孔 Spindle taper		HSK50E	BT30	BT40	HSK63A	HSK63A
主轴电机功率 Spindle motor power	Kw	18	3.7	7.5	30	30
刀库容量 Tool magazine capacity	pcs	16	16	20	20	20



XKH800C 五轴联动叶片加工中心

XKH800C Five-axis Turbine Blade Machining Center

XKH系列五轴联动叶片加工中心涵盖了多种用途，多种规格叶片加工范围，广泛应用于电力、航空等行业。

XKH series of 5-axis machine can be widely used in electric power, aviation and other industries, and suitable for machining turbine blade of different specification and use.

技术参数

Technical parameters

项目 ITEM	单位 UNIT	XKH800C
A轴最大回转半径 A axis Max. turning radius	mm	200
X/Y/Z轴 X/Y/Z axis	mm	1350/400/500
A轴 A axis		n×360°
B轴 B axis		±45°
U轴 U axis	mm	750
直线轴快速移动速度 (X/Y/Z) Straight axis rapid moving speed	m/min	20/20/18
旋转轴快速移动速度 (A/B) Rotation axis rapid moving speed	rpm	80/20
直线轴切削进给速度 (X/Y/Z) Straight axis feeding speed	mm/min	1-12000
旋转轴切削进给速度 (A/B) Rotation axis feeding speed	rpm	50/20
主轴转速 Speed	rpm	≥12000
主轴锥孔 Spindle taper		HSK-A63
交换时间 Time	s	50



XKH800Z 五轴联动叶片加工中心

XKH800Z Five-axis Turbine Blade Machining Center

XKH系列五轴联动叶片加工中心涵盖了多种用途，多种规格叶片加工范围，广泛应用于电力、航空等行业。

XKH series of five-axis machine can be widely used in electric power, aviation and other industries, and suitable for machining turbine blade of different specification and use. The machine specifically designed is equipped with automatic loading and unloading mechanism.

XKH800Z五轴联动叶片加工中心是我公司针对叶片加工的特点设计的可配置自动上下料机构的机床。

技术参数

Technical parameters

项目 ITEM	单位 UNIT	XKH800Z
A轴最大回转半径 A axis Max. turning radius	mm	200
X/Y/Z轴 X/Y/Z axis	mm	1350/400/500
A轴 A axis		n×360°
B轴 B axis		±45°
U轴 U axis	mm	750
直线轴快速移动速度 (X/Y/Z) Straight axis rapid moving speed	m/min	20/20/18
旋转轴快速移动速度 (A/B) Rotation axis rapid moving speed	rpm	80/20
直线轴切削进给速度 (X/Y/Z) Straight axis feeding speed	mm/min	1~12000
旋转轴切削进给速度 (A/B) Rotation axis feeding speed	rpm	50/20
主轴转速 Speed	rpm	60~10000
主轴锥孔 Spindle taper		HSKA63
交换时间 Time	s	50



BV 系列经典立式加工中心

BV Series- Classical Vertical Machining Center

BV系列产品是公司汇集多年制造经验，贴合用户要求，不断提升和完善的一款经典立式加工中心产品。此系列产品加工范围大，应用领域广，其模块化设计带来配置的多样化，性能卓越，满足客户对机床高精度、高刚性、高可靠性的加工要求。

BV series product is a classical-type vertical machining center that keeps improving and fits clients' demands. The product is characterized by large machining range, outstanding performance and wide application area. Its modular design results in the diversified configuration. The customers are satisfied for its features in high accuracy, high rigidity and high reliability.

技术参数

Technical parameters

项目 ITEM	单位 UNIT	BV75	BV85	BV100	BV120
工作台尺寸(宽×长) Work table size(W×L)	mm	610×900	610×1000	610×1300	610×1500
X轴 X axis	mm	762	862	1050	1200
Y轴 Y axis	mm	510 (带A轴为450或490)			
Z轴 Z axis	mm	560			
工作台最大承载能力 (均布) Max. loading capacity	kg	700	700	900	900
快速移动速度(X/Y/Z) Rapid moving speed (X/Y/Z)	mm/min	24000			
主轴转速 Speed	rpm	60~7000或60~8000或60~10000			
主轴锥孔 Spindle taper		7:24 No.40			
主轴电机功率 Spindle motor power	KW	11/15			
刀库容量 Tool magazine capacity	pcs	24			



BV55 系列扩展型立式加工中心

BV55 Series- Extended Vertical Machining Center

BV55系列产品是在BV系列产品基础上升级的新一代扩展性立式加工中心，此系列产品机床造型美观，精度高，刚性强，稳定性好，能够极大地提高零件及产品的加工效率和数量，应用领域广泛，可满足各个行业不同材质的加工要求。

BV55 series product is the extended vertical machining center of the new generation upgraded on the basis of BV series product. The series is featured by outstanding appearance, high rigidity and excellent stability, and can greatly improve the machining efficiency and quality of parts. With wide application, it can meet the machining requirements of different materials in various industries.

技术参数

Technical parameters

项目 ITEM	单位 UNIT	BV55-75	BV55-85	BV55-100	BV55-120
工作台尺寸(宽×长) Work table size(W×L)	mm	610×900	610×1000	610×1300	610×1500
X轴 X axis	mm	762	862	1050	1200
Y轴 Y axis	mm	550			
Z轴 Z axis	mm	650			
工作台最大承载能力 (均布) Max. loading capacity	kg	800	800	1000	1000
快速移动速度(X/Y/Z) Rapid moving speed (X/Y/Z)	mm/min	24000			
主轴转速 Speed	rpm	60-7000 (可选10000), 60-6000 (50#刀柄)			
主轴锥孔 Spindle taper		7:24 No.40	7:24 No.40 or 7:24 No.50		
主轴电机功率 Spindle motor power	KW	9/11			
刀库容量 Tool magazine capacity	pcs	24(BT40)/24(BT50)			



E 系列经济型立式加工中心

E Series- Economical Vertical Machining Center

E系列产品是公司针对中小型零部件加工开发的一款经济型立式加工中心产品，性价比高。该系列产品配置简洁实用，结构紧凑，可满足不同行业不同材料的中小型工件的加工要求，可进行铣削、镗孔、钻铰孔、刚性攻丝等一般机械多工序的粗、精加工。

E series product is an economical vertical machining center product developed for machining of small and medium sized parts, characterized by cost effectiveness. The series products of compact structure can meet the workpiece machining requirements of different materials in different industries. It can be used for rough and finish machining of multiple mechanical processes including milling, boring, drilling, rigid tapping, etc.

技术参数

Technical parameters

项目 ITEM	单位 UNIT	VMC750E	VMC850E
工作台尺寸(宽*长) Work table size(W*L)	mm	580×1000	580×1100
X轴 X axis	mm	762	850
Y轴 Y axis	mm		510
Z轴 Z axis	mm		560
工作台最大承载能力(均布) Max. loading capacity	kg		550
快速移动速度(X/Y/Z) Rapid moving speed	mm/min		24000
主轴转速 Speed	rpm		60~8000
主轴锥孔 Spindle taper			7:24 No.40
主轴电机功率 Spindle motor power	KW		7.5/11
刀库容量 Tool magazine capacity	pcs		24



VMC 系列中大型立式加工中心

VMC Series- Medium and Large Sized Vertical Machining Center

VMC系列产品是为满足客户高速重负荷切削要求而研制开发的一款中大型立式加工中心产品。此系列产品进给电机功率大，速度高，承载能力强，具有适应面广、自动化程度高的特点。本机可广泛应用于各行业的高质量、高效率的机械加工。

VMC series product is a large and medium-sized vertical machining center researched and developed for meeting the customers' requirements for high-speed and heavy-load cutting. This series product is featured by high feeding motor power, high speed and large loading capacity. The product can be widely used for high-quality and high-efficiency machining in various industries.

技术参数

Technical parameters

项目 ITEM	单位 UNIT	VMC1250	VMC1500	VMC1700
工作台尺寸(宽*长) Work table size(W*L)	mm	765×1524	800×1800	765×2000
X轴 X axis	mm	1270	1524	1700
Y轴 Y axis	mm		800	
Z轴 Z axis	mm		850	
工作台最大承载能力(均布) Max. loading capacity	kg		2000	
快速移动速度(X/Y/Z) Rapid moving speed (X/Y/Z)	mm/min		24000/24000/18000	
主轴转速 Speed	rpm		60-6000	
主轴锥孔 Spindle taper			7:24 No.50	
主轴电机功率 Spindle motor power	Kw		11/15	
刀库容量 Tool magazine capacity	pcs		24	



BV100S 双主轴立式加工中心

BV100S Dual-spindle Vertical Machining Center

BV100S双主轴立式加工中心配备两套主轴和左右两套机械手刀库，可实现两工件一次装夹过程中多种工序的粗、精加工，也可采用双工位制，同时装夹4件（两组）工件，大大提高了机床加工效率和产出效益。此产品可广泛用于汽车、模具、仪器仪表等机械加工制造行业。

BV100S is equipped with two sets of spindles and tool magazines, can realize rough and finish machining of various processes for two workpieces on double station at the same time, resulted in greatly improving the machining efficiency and output benefits. The product can be widely used in auto, mould, instrument and meter industries.

技术参数

Technical parameters

项目 ITEM	单位 UNIT	BV100S
工作台尺寸 (宽×长) Work table size (W×L)	mm	610×1300
X、Y、Z轴 X、Y、Z axis	mm	1050/550/650
快速移动速度 Rapid moving speed	mm/min	24000/24000/20000
切削进给速度 Feeding speed	mm/min	3~15000
主轴转速 Speed	rpm	60~7000或60~8000
主轴锥孔 Taper		7: 24 No. 40
双主轴中心线距离 Distance of two spindles	mm	260~320
主轴电机功率 (连续/30min) / 扭矩 Spindle motor	KW	11/15
主轴轴颈 Diameter	mm	Φ70
刀库容量 Tool magazine capacity	pcs	2套各24把



BV68/80系列-重切削型立式加工中心

BV68/80 Series- Heavy-cutting Type Vertical Machining Center

BV68/80系列产品是用适合重力切削加工重零件的一款重切削型系列立式加工中心产品，此系列产品具有承载力大，刚性、切削力强、高稳定性等特点，机床配置丰富，应用广泛。

BV68/80 series are the heavy cutting vertical machining center products used to machine heavy parts, featuring large bearing capacity, strong rigidity, strong cutting force and high stability. The machine tool has various configuration and wide application.

技术参数

Technical parameters

项目 ITEM	单位 UNIT	BV68-125	BV68-150	BV68-180	BV80-125	BV80-150	BV80-180
工作台尺寸 (宽×长) Work table size (W×L)	mm	710×1520	710×1800	710×2200	800×1520	800×1800	800×2200
X轴 X axis	mm	1250	1500	1800	1250	1500	1800
Y轴 Y axis	mm		680			800	
Z轴 Z axis	mm		850			850	
快速移动速度 (X/Y/Z) Rapid moving speed	m/min		20/20/18			20/20/18	
主轴转速 Speed	rpm		20-6000			20-6000	
主轴锥孔 Spindle taper			7:24 No.50			7:24 No.50	
主轴电机功率 Spindle motor power	Kw		11/15			11/15	
刀库容量 Tool magazine capacity	pcs		24			24	



BDV 钻削系列立式加工中心

BDV Series Drilling Vertical Machining Center

BVD系列可广泛应用与汽车零部件、IT行业、精密零件加工业、小型精密模具，军工、航空航天等行业的领域加工。

BVD series grinding machine can be widely used for machining automobile parts, precision parts, small-sized dies in IT, aerospace and military industries.

技术参数

Technical parameters

项目 ITEM	单位 UNIT	BVD400	BVD500	BVD600
工作台尺寸(宽×长) Work table size(W×L)	mm	650×320	650×400	750×400
X轴 X axis	mm	400	500	600
Y轴 Y axis	mm	320	400	400
Z轴 Z axis	mm	330	400	400
工作台最大承载能力(均布) Max. loading capacity	kg	250	300	300
快速移动速度(X/Y/Z) Rapid moving speed (X/Y/Z)	mm/min	48000/48000/60000		
切削进给速度 Feeding speed	mm/min	1~30000		
主轴转速 Speed	rpm	100-12000		
主轴锥孔 Spindle taper		7:24 No.30		
主轴电机功率 Spindle motor power	Kw	3.7/5.5		
刀库容量 Tool magazine capacity	pcs	14		



MCJ-03 数控油口磨床

MCJ-03 NC Oil Groove Grinding Machine

MCJ-03数控油口磨床适用于汽车动力转向器输入轴类及阀套类零件精加工的经济型的专用设备：工件一次定位装夹可以顺序完成油槽两侧边及油槽限流边的磨削加工，适用于该类零件的大批量生产。

NC oil groove grinding machine MCJ-03 is an economical-type special grinder for machining power steering input shaft and valve-kind parts. One-time clamp can realize the order grinding of the both-sides of oil groove, limit-edge flow.

技术参数

Technical parameters

项目 ITEM	单位 UNIT	MCJ-03
工作台尺寸 Work table size	mm	500×700
X/Y/Z轴 X/Y/Z axis	mm	600/500/382
工作台承载 Max. Loading capacity	kg	300(均布)
进给速度 Feeding speed	mm/min	3~5000
立式电主轴 Electric spindle (vertical type)		36000r/min, 5.5KW
卧式电主轴 electric spindle (horizontal type)		9000r/min, 6KW
机床外形尺寸(长×宽×高) Overall size (L×W×H)	mm	2300×2245×2650
机床重量 Machine weight	kg	5500



SK7612B 数控内螺纹磨床

SK7612B NC Internal Thread Grinding Machine

SK7612B数控内螺纹磨床适用于内螺纹磨削,可实现三角形及圆弧型等各种牙型的磨削加工。特别适用于汽车转向器转向螺母内螺纹滚道的大批量生产。SK7612B同时也适应滚珠丝杠副螺母高精度内滚道的加工。

SK7612B NC internal thread grinding machine is used for grinding internal thread and can realize the grinding for triangle and arc type parts. It is specially applied for the mass machining internal thread raceway of steering pylori in automobile steering manufacturing field. SK7612B can also machine ball screw internal raceway.

技术参数

Technical parameters

项目 ITEM	单位 UNIT	SK7612B
最大工件回转直径 Max. Workpiece dia.	mm	Φ380
最大工件长度 Max. Workpiece length	mm	200
最大磨削长度 Max. grinding length	mm	500
可磨削直径 Max. Thread dia.	mm	120
可磨螺纹长度 Max. Screws length	mm	120
可磨螺距 Max. Grinding pitch	mm	4-20
磨螺纹螺旋升角 Max. thread rise angle		±12.5°
砂轮架快速进给速度 (X轴) Wheel rapid feeding speed	mm/min	8000
砂轮线速度 Grinding wheel size	m/s	35



SK7420 数控螺纹磨床

SK7420 NC External Thread Grinding Machine

SK7420数控螺纹磨床主要用于各种螺纹的磨削,其功能可扩展到凸轮轴、齿条、刀具、量规及各种蜗杆等零件的精密加工,能够广泛应用与机械制造业。从规格上特别适用于汽车转向制造业中转向螺杆外螺纹滚道的大批量加工。

NC external thread grinding machine SK7420 is mainly used to grind all kinds of screws, as well as precision grinding of camshaft, rack, tools, gauge and worm for mechanical machining industry. The machine is specialized in mass machining external thread raceway of steering pylori in automobile steering manufacturing field.

技术参数

Technical parameters

项目 ITEM	单位 UNIT	SK7420
最大工件回转直径 Max. Workpiece dia.	mm	200
最大工件长度 Max. Workpiece length	mm	700
头、尾架中心高 The center height of head and tail carriage	mm	165
磨削直径 Max. Thread dia.	mm	Φ2-Φ120
可磨螺纹螺旋升角 Max. thread rise angle		±30°
X/Z轴进给速度 X/Z axis feeding speed	mm/min	0.1-8000
砂轮线速度 Grinding wheel size	m/s	35-45