QK1313 QK1319 QK1322（550 导轨）
数控管子螺纹车床

CNC PIPE THREADING LATHE（550 GUIDEWAY）

▶ 主要特点 MAIN FEATURES

本系列数控管螺纹车床主要用于加工管道工件的内外螺纹，同时具备普通数控车床的功能，可对轴类和盘类等工件进行外圆、内孔和端面的加工；该系列机床广泛应用于石油行业对钻杆、接头、套管等工件的加工和修复，同时也可应用于地质勘探、矿产开采、化工冶炼、管网建设、机械制造和船舶建造等行业。

QK13 series CNC pipe threading lathe is mainly designed for processing internal and external pipe threads including metric, inch,module,DP and taper threads, as well as having all the common functions of normal CNC lathe such as processing the inner bore and end face of shafts and disks.This series lathe machine is widely used in industries including petroleum exploiting, mineralsmining.chemical piping and geological prospecting.it is high- efficiency equipment in processing and repairing drilling pipe,drilling rod, thread coupling and so on.

▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	Units	QK1313	QK1319		QK1322	
		手动换档 Manual	手动换档 Manual	液压换档 HYD	手动换档 Manual	液压换档 HYD
床身上最大回转直径 Max. swivel diameter on the bed	mm	630/800	630/800		630/800	
横滑板上最大回转直径 Max. swivel diameter on cross slide	mm	340/520	340/520		340/520	
最大工件长度 Max. workpiece length	mm	1000-6000	1000-6000		1000-6000	
加工管螺纹直径范围 Pipe thread diameter range	mm	30-126	50-193		50-220	
床身导轨宽度 Guideway width	mm	550	550		550	
床身承重范围 Max.load capacity	T	3	3		3	
主轴孔径范围 Spindle bore	mm	130	206		225	
主轴转速级数 Spindle speed steps		3 档变频 VF.3 steps	4 档变频 VF.4 steps	4 档液压 HYD.4 steps	4 档变频 NF.4 steps	4 档液压 HYD.4 steps
主轴转速范围 Spindle speed range	rpm	30-800	20-500		20-500	
卡盘规格 ChuckChuck Specifications	mm	ϕ400 手动三爪 / ϕ4003-jaw manual	ϕ500 手动三爪 ϕ5003-jaw manual		ϕ500 手动三爪 /ϕ5003-jaw manual	
刀架类型 Turretrool post	——	4 工位电动刀架 4-station electric tool holder	4 工位电动刀架 4-station electric tool holder		4 工位电动刀架 4-station electric tool holder	
刀具尺寸 Tool shank size	mm	32×32	32×32		32×32	
X 轴行程 X axis travel	mm	340/420	340/420		340/420	
Z 轴行程 Z axis travel	mm	1000-6000	1000-6000		1000-6000	
x 轴快速进给速度 X-axis rapid feed speed	mm/min	4000	4000		4000	
Z 轴快速进给速度 Z-axis rapid feed speed	mm/min	6000	6000		6000	
尾座套筒直径 Tailstock qull diameter	mm	ϕ100	ϕ100		ϕ100	
尾座套筒锥度 Tailstock quill taper	——	MT6	MT6		MT6	
尾座套筒行程 Tailstock quill travel	mm	250	250		250	
主轴电机 Main spinde motor	kW	11	11		11	
冷却泵电机 Coolant pump motor	kW	0.25	0.25		0.25	
宽度 W× 高度 H Width x Height	mm	1800×1850	1880×1850		1880×1850	
长度 L Length	mm	3000/8300	3000/8300		3000/8300	
机器净重 Net weight	T	4-8	4.6-86		4.7-8.7	

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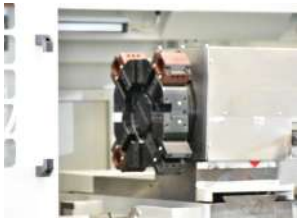
QK1313 QK1319 QK1322（600 导轨）
数控管子螺纹车床

CNC PIPE THREADING LATHE（600 GUIDEWAY）



▶ 主要特点 MAIN FEATURES

本系列数控管螺纹车床主要用于加工管道工件的内外螺纹，同时具备普通数控车床的功能，可对轴类和盘类等工件进行外圆、内孔和端面的加工；该系列机床广泛应用于石油行业对钻杆、接头、套管等工件的加工和修复，同时也可应用于地质勘探、矿产开采、化工冶炼、管网建设、机械制造和船舶建造等行业。

This series CNC pipe threading lathe is mainly designed for processing internal and external pipe threads including metric,inch,module,DP and taper threads,as well as having all the common functions of normal CNClathe such as processing the inner bore and end faceof shafts and disks.This series lathe machine is widely usedin industries including petroleum exploiting,minerals mining,chemical piping and geological prospecting,it is high-efficiency equipment in processing and repairing diling pipe,diling rod,thread coup-ling and so on.

▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	Units	QK1325		QK1327c	
		手动换档 Manual	液压换档 HYD	手动换档 Manual	液压换档 HYD
床身上最大回转直径 Max. swivel diameter on the bed	mm	800-1000		800-1000	
横滑板上最大回转直径 Max. swivel diameter on cross slide	mm	480-680		480-680	
最大工件长度 Max. workpiece length	mm	1000-6000		1000-6000	
加工管螺纹直径范围 Pipe thread diameter range	mm	50-250		50-270	
床身导轨宽度 Guideway width	mm	600		600	
床身承重范围 Max.load capacity	T	4		4	
主轴孔径范围 Spindle bore	mm	255		280	
主轴转速级数 Spindle speed steps		4 档变频 /VF.4 steps	4 档液压 /HYD.4 steps	4 档变频 NF.4 steps	4 档液压 HYD.4 steps
主轴转速范围 Spindle speed range	rpm	20x420		20x420	
卡盘规格 Chuck Specifications	mm	ϕ630 四爪单动		ϕ680 四爪单动	
刀架类型 Turret/tool post	——	4 工位电动刀架 4-station electric tool holder		4 工位电动刀架 4-station electric tool holder	
刀具尺寸 Tool shank size	mm	40x40		40x40	
X 轴行程 X axis travel	mm	420/500		420/500	
Z 轴行程 Z axis travel	mm	1000-6000		1000-6000	
x 轴快速进给速度 X-axis rapid feed speed	mm/min	4000		4000	
Z 轴快速进给速度 Z-axis rapid feed speed	mm/min	6000		6000	
尾座套筒直径 Tailstock qull diameter	mm	ϕ120		ϕ120	
尾座套筒锥度 Tailstock quill taper	——	MT6		MT6	
尾座套筒行程 Tailstock quill travel	mm	250		250	
主轴电机 Main spinde motor	kW	15		15	
冷却泵电机 Coolant pump motor	kW	0.25		0.25	
宽度 × 高度 Width x Height	mm	1930×1900		1930×1900	
长度 Length	mm	3600-8600		3600-8600	
机器净重 Net weight	T	6-95		6.2-9.7	

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QK1323 QK1332 QK1338（755 导轨）
数控管子螺纹车床

CNC PIPE THREADING LATHE（755 GUIDEWAY）

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本系列数控管螺纹车床主要用于加工管道工件的内外螺纹，同时具备普通数控车床的功能，可对轴类和盘类等工件进行外圆、内孔和端面的加工；该系列机床广泛应用于石油行业对钻杆、接头、套管等工件的加工和修复，同时也可应用于地质勘探、矿产开采、化工冶炼、管网建设、机械制造和船舶建造等行业。

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▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS		Units	QK1327	QK1332	QK1338	QK1343	QK1350	QK1363
床身上最大回转直径	Max. swivel diameter on the bed	mm	1000	1000	1000	1000	1200	1500
横滑板上最大回转直径	Max. swivel diameter on cross slide	mm	610	610	610	610	710	900
最大工件长度	Max. workpiece length	mm	1500-6000	1500-6000	1500-6000	1500/3000	1500/3000	1500/3000
加工管螺纹直径范围	Pipe thread diameter range	mm	130-270	190-320	190-380	270-430	330-510	330-630
床身导轨宽度	Guideway width	mm	755	755	755	755	765	1100
床身承重范围	Max.load capacity	T	6	6	6	6	6	10
主轴孔径范围	Spindle bore range	mm	280	330	390	440	520	640
主轴转速级数	Spindle speed steps		4 档变频 NF.4 steps	3 档变频 NF.3steps	3 档变频 NF.3 steps	3 档变频 NF.3 steps	3 档变频 NF.3steps	3 档变频 NF.3 steps
主轴转速范围	Spindle speed range	rpm	10-320	10-280	a-205	10-210	10-200	1-170
卡盘规格	Chuck Specifications	mm	ф800 手动四爪 /4-jaw manual	ф780 电动四爪 /4-jaw electric	ф850 电动四爪 /4-jaw manual	ф1000 电动四爪 /4-jaw electric		ф1250 手动四爪 /4-jaw manual
刀架类型	Turret/tool post		4 工位电动刀架 /NC turret 4 position			4 工位电动刀架 /NC turret 4 position		
刀具尺寸	Tool shank size	mm	40×40	40x40	40×40	40×40	50×50	50×50
X 轴行程	X-axis travel	mm	520	520	520	520	520	750
Z 轴行程	Z-axis travel	mm	500-6000	500-6000	500-6000	1250/2750	1250/2750	1250/2750
X 轴快速进给速度	X-axis rapid feed speed	mm/min	4000	4000	4000	4000	4000	4000
Z 轴快速进给速度	Z-axis rapid feed speed	mm/min	6000	6000	6000	6000	6000	6000
尾座套筒直径	Tailstock quill diameter	mm	ф160	ф160	ф160	ф160	ф160	ф260(回转套筒)
尾座套筒锥度	Tailstock quil taper		MT6	MT6	MT6	MT6	MT6	Metric80
尾座套筒行程	Tailstock quil travel	mm	300	300	300	300	300	300
主轴电机	Main spindle motor	kW	22	22	22	22	22	37
冷却泵电机	Coolant pump motor	kW	0.25	0.25	0.25	0.25	0.25	0.25
宽度 x 高度	WidthxHeight	mm	2050×2050	2080×2080	2220×2120	2220×2120	2300×2200	2500×2500
长度 L	Length	mm	4950/9450	5000/9500	5000/9500	5000/6500	5000/6500	5600/7100
机器净重	Net weight	T	10.5/15.6	11.5/15.9	12.0/16.4	13.0/14.0	15.0/16.0	18.0/19.3

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QKD1325 QKD1330 QKD1335（755 导轨）
数控管子螺纹车床

CNC PIPE THREADING LATHE（755 GUIDEWAY）

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▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	Units	QKD1325	QKD1330	QKD1335
床身上最大回转直径 Max. swivel diameter on the bed	mm	800	900	
拖板上最大回转直径 Max. swivel diameter on cross slide	mm	435	535	
最大工件长度 Max. workpiece length	mm	1000-3000	1000-3000	
加工管螺纹直径范围 Pipe thread diameter range	mm	50-235	110-290	110-340
床身导轨宽度 Guideway width	mm	755	755	755
床身承重范围 Max.load capacity	T	5	5	5
主轴孔径范围 Spindle bore	mm	240	305	355
主轴转速级数 Spindle speed steps	——	无极变速 /Stepless	无极变速 /Stepless	
主轴转速范围 Spindle speed range	r/min	90-450	90-350	90-350
卡盘规格 Chuck Specification	——	ф630 电动复合四爪卡盘 / ф6304-jaw electric	ф780 电动复合四爪卡盘 /ф7804-jaw electric	
刀架类型 Turret/tool post	——	4 工位电动刀架 NC turret 4 position	4 工位电动刀架 NC turret 4 position	
刀具尺寸 Tool shank size	mm	32×32	40×40	40×40
X 轴行程 x axis travel	mm	480	480	480
Z 轴行程 (无尾座) Z axis travel(without tailstock)	mm	1000-3000	1000-3000	1000-3000
X 轴快速进给速度 X-axis rapid feed speed	mm/ min	4000	4000	4000
Z 轴快速进给速度 Z-axis rapid feed speed	mm/ min	6000	6000	6000
伺服主轴电动机 Main spindle motor	KW	22	22	22
冷却泵电机 Coolant pump motor	KW	0.25	0.25	0.25
宽度 x 高度 Width x Height	mm	2050×2050	2050×2050	2050×2050
长度 Length	mm	3952/5950	3952/5950	3952/5950
机床重量 (约)Net.weight(about)	T	8.1-10	8.9	10.9

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QKY 系列 45°斜床身数控管螺纹车床

QKY SERIES 45° SLANT BED CNC PIPE THREADING LATHE

▶ 主要特点 MAIN FEATURES

本系列斜床身数控车床是高精度、高效率的斜床身自动化机床，配备多工位伺服或动力刀塔等先进配置，能够加工直线圆柱、斜线圆柱、圆弧和各种螺纹，并且能够加工蜗杆等复杂工件，具有编程简单、结构可靠、操作方便和自动化程度高等特点，是油管等管件加工领域常用的高效率数控加工设备。

Slant bed CNC pipe threading lathe series is the new type automatic lathe with high precision and high efficiency,it equips with advanced accessories such as servo or power turret etc.,this series lathe is capable of processing arc,straight and oblique cylinder workpiece,as well as turning threads etc., it is also used as normal cnc lathe to turn the internal and external cylindrical surface,conical surface and other rotating surfaces etc.

主轴孔径大、通过性高，前后双气动卡盘工件夹持稳定、加工效率高
树脂砂工艺铸造整体床身，经时效处理，外形美观、刚性好、精度高
采用高品质刮屑板防导轨刮伤，导轨面使用贴塑，耐磨性好、精度高
采用 45°斜床身和高频淬火硬轨，以保证高强度切削的稳定性和精度

Big spindle bore and double chuck to ensure process big diameter pipe
Double pneumatic chucks ensure hold workpiecestable and efficiency
One-piece bed adopts high strength iron to ensure rigidity and precision
Ultrasonic frequency quenched guide-ways ensure good wear-resistance
Carriage and guide-way contact surface use Turcite B to maintain accuracy

▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS		Units	QKY1319J	QKY1322J	QKY1325J	QKY1327J	QKY1330J	QKY1335J	QKY1312	QKY1315	QKY1319	QKY1322
床身上最大回转直径	Max. swivel diameter on the bed	mm	600	600	800	800	800	800	600	630	680	680
最大加工直径	Max. machining diameter	mm	450	450	450	450	450	450	500	600	600	600
横滑板上最大回转直径	Max. swivel diameter on cross slide	mm	450	450	450	450	450	450	200	440	450	450
最大工件长度	Max. workpiece length	mm	600	600	600	600	600	600	600	1000	920	920
床身倾斜角度	Bed tilt angle	°	45	45	45	45	45	45	45	45	45	45
主轴孔径范围	Spindle bore range	mm	206	225	255	280	300	355	120	150	200	225
主轴鼻端型号	Spindle nose type	——	短圆柱 Short cylinder						A2-11	A2-11	A2-15	A2-15
棒料通过直径	Bar through diameter	——	190	220	250	275	295	350	110	140	190	220
主轴最高转速	Spindle speed	rpm	550	550	450	450	350	350	850	800	550	550
刀架类型	Turret/tool post	——	4 工位电动刀架 /NC turret 4 position						排刀 Gang type tool holader	8 工位液压刀塔 /Hydraulic turret 8 position		
刀具尺寸	Tool shank size	mm	32×32	32×32	32×32	32×32	40×40	40×40	32×32	32×32	32×32	32×32
X 轴行程	X-axis travel	mm	350	350	350	350	350	350	350	335	350	350
Z 轴行程	Z-axis travel	mm	600	600	600	600	600	600	800	1100	1140	1140
X 轴快速进给速度	X-axis rapid traverse	mm/min	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000
Z 轴快速进给速度	Z-axis rapid traverse	mm/min	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000
液压尾座套筒直径	Tailstock quill diameter	mm	不配尾座 AWithout tailstock							130	140	140
液压尾座套筒锥度	Tailstock qulltaper	——	——	——	——	——	——	——	——	MT5	MT6	MT6
液压尾座套筒行程	Tailstock quilltravel	mm	——	——	——	——	——	——	——	150	200	200
主轴电机	Main spindle motor	kW	22	22	22	22	30	30	15	15	22	22
冷却泵电机	Coolant pump motor	kW	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.37	0.37	0.37
宽度 x 高度 (W x H)	Width xHeight(W x H)	mm	2250X2350	2250X2350	2250X2350	2250X2350	2250X2350	2250X2350	1850×1750	2050×2300	2000×2200	2000×2200
长度 L(含排屑器)	Length(chip conveyor included)	mm	5100	5100	5100	5100	5100	5100	4450	4850	6600	6600
机器净重	Net weight	T	10.3	10.5	11.3	11.5	12.5	12.5	7.5	7.5	11.8	12.0

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Y3150E Y3180H 数控滚齿机

CNC GEAR HOBBING MACHINE

▶ 主要特点 MAIN FEATURES

1、主轴电机直接安装在刀架上，通过三对高精度圆柱斜齿传动到滚刀主轴，减少了传动误差，提高了传动精度。
2、工作台采用高精度双导程涡轮蜗杆传动，并设计有阻尼机构。工作台下方还有卸荷油缸，以减轻 C 轴电机的负荷，延长工作台圆形导轨的使用寿命。
3、主导轨采用硬轨淬火、粘胶加工，保证了机床的耐用性。
4、Z 轴运动采用平衡油缸和链条配重的新型结构，使滚刀上下切削时的平衡性更好，切削更平稳，有效延长滚珠丝杠的使用寿命。
5、本机可根据用户需要定做五轴或六轴机型。

1. The spindle motor is directly installed on the tool rest and is transmitted to the hob spindle through three pairs of high-precision cylindrical helical teeth, which reduces the transmission error and improves the transmission accuracy.
2. The worktable adopts high-precision double-lead turbine worm drive, and is designed with a damping mechanism. There is also an unloading oil cylinder under the worktable to reduce the load of the C-axis motor and prolong the service life of the circular guide rail of the worktable.
3. The main guide rail is processed by hard rail quenching and plastic sticking, which ensuring the durability of the machine tool.
4. The Z-axis movement adopts a new structure of balanced oil cylinder and chain counterweight, which makes the hob better balance when cutting up and down, so cutting is more stable, and service life of the ball screw can be effectively extended.
5. The machine can be customized with five-axis or six-axis models according to user needs.

▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	Units	Y3150E	Y3180H
最大切削模数 Max working module(钢材 steel)	mm	5	8
最大切削模数 Max working module(铸铁 cast iron)	mm	6	10
加工直齿圆柱齿轮最大直径 Max diameter of cutting cylindrical straight gear (with column)	mm	350	550
加工直齿圆柱齿轮最大直径 Max diameter of cutting cylindrical straight gear (without column)	mm	500	800
加工圆柱螺旋齿轮最大直径 30 度左，右螺旋角 Max diameter cuttingcylihdrical helical gear (30 degree,right rorate)	mm	370	-
加工圆柱螺旋齿轮最大直径 45 度左，右螺旋角 Max diameter cutting cylindrical helical gear (45 degree,right rorate)	mm	250	-
加工圆柱螺旋齿轮刀架行程［ 30 度螺旋角 (右旋)］ The tool rest travel Whencutting cylndricaT helical gear [30 degree rotate(right)]	mm	160	-
加工圆柱螺旋齿轮刀架行程［30 度螺旋角 (左旋)］ The tool rest travel when cutting cylindricaT helical gear [30 degree rotate (left)]	mm	240	-
加工圆柱螺旋齿轮刀架行程［45 度螺旋角 (右旋)］ The tool rest travel When cutting cylindricaT helical gear ［45 degree rotate(right) ］	mm	65	-
加工圆柱螺旋齿轮刀架行程［45 度螺旋角 (左旋)］ The tool rest travel when cutting cylindricaT helical gear [45 degree rotate (left)]	mm	105	-
刀架滑板最大行程 (Z 轴)The travel of toolrest slide (Zaxis)		240	350
工作台最大行程 (轴)The travel of worktabe (X axis	mm	250	-
滚刀心轴至工作台中心线间的距离 Distance from hob spindle to worktable surface(最大 Max)	mm	320	235-585
最大加工螺旋角 Max machining helical degree		45°	45°
主轴锥孔锥度 (莫氏锥度)Spinlde taper		MT4	MT5
滚刀心轴轴线至工作台台面最小距离 Min distance from hob mandrel axix to worktable surface	mm	170	235
滚刀心轴轴线至工作台台面最大距离 Maxdistance from hob mandrel axix to worktable surface	mm	410	585
滚刀可换心轴直径 he changeable mandrel diameter of hob cutter (mm)	mm	22/27/32/40	22/27/32/40
滚刀最大直径 The hob cutter diameter	mm	120	180
工作台孔直径 Diameter of workingtable hole (mm)	mm	60	80
滚刀主轴转速 Gear hob spindle rotating speed	r/min	0-570	40~200
径向进给速度 Radial feeding speed	r/min	0-6000	-
轴向进给速度 Axis feeding speed	r/min	0-6000	1500
泵电动机 pump motor	w	120	1.1
泵转速 Pump rotating speed	r/min	2760	910
机床尺寸 Size(L*W*H)(mm)	mm	210*1450*1900	2752×1490×1870
主电机功率 Main motor Power	kw	5	5.5
机床净重 / 毛重 Machine Net/Gro weight	kg	2600/3200	5500

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Y3150CNC6(4) 数控滚齿机

CNC GEAR HOBBING MACHINE

▶ 主要特点 MAIN FEATURES

本机床为六轴数控滚齿机，径向进给轴（X 轴）、切向进给轴（Y 轴）、轴向进给轴（Z 轴）、刀架回转轴（A 轴）、滚刀主轴回转轴（B 轴）、工作台回转轴（C 轴）。

1. 主轴电机直接安装在刀架上，经过三对高精度圆柱斜齿传动至滚刀主轴，降低了传动误差，提高传动精度。
2. 工作台采用高精度双导程涡轮蜗杆传动，并设计有阻尼机构，工作台下方还设有卸荷油缸，以降低 C 轴电机的负荷和延长工作台圆导轨的使用寿命。
3. 主要导轨采用硬轨淬火加贴塑工艺处理，从而保证了机床的耐久性。
4. Z 轴运动采用平衡油缸加链条配重的新结构，使滚刀切削上下运动时更好的平衡，从而使切削更加稳定，并且可以有效延长滚珠丝杠的使用寿命。

本机床可以根据用户需求定制四轴或者五轴的型号。

This machine is a six-axis CNC hobbing machine with radial feeding axis (X-axis), tangential feeding axis (Y-axis), axial feeding axis (Z-axis), tool holder rotary axis (A-axis), hobbing spindle rotary axis (B-axis), and table rotary axis (C-axis).

1. The spindle motor is directly mounted on the tool holder and driven to the hob spindle through three pairs of high-precision cylindrical helical gears, which reduces the transmission error and improves the transmission precision.
2、The table adopts high-precision double-guide turbine worm gear transmission and is designed with damping mechanism, and there is also a unloading cylinder under the table to reduce the load of the C-axis motor and prolong the service life of the table's circular guideway.
3、The main guideway is hardened and plasticized to ensure the durability of the machine.
4、Z-axis movement adopts the new structure of balancing cylinder and chain counterweight, which makes the hob cutting up and down movement better balanced, thus making the cutting more stable, and can effectively extend the service life of the ball screw.

The machine can be customized to four-axis or five-axis models according to user requirements.

▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	Units	YS3150CNC6(4)
最大工件直径 Maximum workpiece diameter	mm	500
最大模数 Maximum modulus	mm	10
加工斜齿轮螺旋角 (A 轴) Helical angle of machined helical gear（A axis）	°	±45
刀架最大回转速度（A axis） Maximum rotating speed of tool post（A axis）	°/s	45
可安装滚刀最大直径 Maximum diameter of installed hobbing cutter	mm	160
可安装滚刀最大长度 Maximum length of installed hobbing cutter	mm	160
滚刀最大轴向移动量 (Y 轴) Maximum axial movement of hobbing cutter （Y axis）	mm	100
滚刀可换芯轴直径 Replaceable mandrel diameter hobbing cutter	mm	22 27 32 40
滚刀主轴锥孔锥度 Conicity of hobbing cutter spindle taper bore	mm	MT5#
滚刀中心到工作台中心水平距离 Horizontal distance from t center of hobbing cutter to center of worktable	mm	25-330
X 轴行程 X axis travel	mm	305
滚刀中心到工作台面垂直距离 Vertical distance from center of hobbing cutter to surface of worktable	mm	90-335
Z 轴行程 Z axis travel	mm	305
后立柱顶尖到工作台面距离 Distance from rear column center to worktable surface	mm	350-700
工作台面直径 Diameter of worktable surface	mm	510
工作台最大承重 Maximum load of worktable	kg	300
滚刀主轴最高转速 (B 轴) Maximum speed of hobbing cutter spindle（B axis）	rpm	625
滚刀轴（B 轴）功率 B axis power(Spindle)	kw	3
轴向进给速度（Z 轴）Axial feeding speed range (Z- axis)	mm/min	0-2000
径向进给速度（X 轴）Radial feeding speed range (X-axis)	mm/min	0-2000
切向运动最大速度 Maximum tangential motion speed	mm/min	2000
工作台最大转速范围（C 轴） Maximum speed range of worktable（C axis）	rpm	30
机床体积（长 X 宽 X 高）Machine volume (L x W x H)	m	2.97x1.80x2.15
机床净重 Net weight of machine	kg	4800

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Y3180 CNC6 数控滚齿机

CNC GEAR HOBBING MACHINE

▶ 主要特点 MAIN FEATURES

本机床为六轴数控滚齿机，径向进给轴（X 轴）、切向进给轴（Y 轴）、轴向进给轴（Z 轴）、刀架回转轴（A 轴）、滚刀主轴回转轴（B 轴）、工作台回转轴（C 轴）。

1. 主轴电机直接安装在刀架上，经过三对高精度圆柱斜齿传动至滚刀主轴，降低了传动误差，提高传动精度。
2. 工作台采用高精度双导程涡轮蜗杆传动，并设计有阻尼机构，工作台下方还设有卸荷油缸，以降低 C 轴电机的负荷和延长工作台圆导轨的使用寿命。
3. 主要导轨采用硬轨淬火加贴塑工艺处理，从而保证了机床的耐久性。
4. Z 轴运动采用平衡油缸加链条配重的新结构，使滚刀切削上下运动时更好的平衡，从而使切削更加稳定，并且可以有效延长滚珠丝杠的使用寿命。

本机床可以根据用户需求定制四轴或者五轴的型号。

This machine is a six-axis CNC hobbing machine with radial feeding axis (X-axis), tangential feeding axis (Y-axis), axial feeding axis (Z-axis), tool holder rotary axis (A-axis), hobbing spindle rotary axis (B-axis), and table rotary axis (C-axis).

1. The spindle motor is directly mounted on the tool holder and driven to the hob spindle through three pairs of high-precision cylindrical helical gears, which reduces the transmission error and improves the transmission precision.
2. The table adopts high-precision double-guide turbine worm gear transmission and is designed with damping mechanism, and there is also a unloading cylinder under the table to reduce the load of the C-axis motor and prolong the service life of the table's circular guideway.
3. The main guideway is hardened and plasticized to ensure the durability of the machine.
4. Z-axis movement adopts the new structure of balancing cylinder and chain counterweight, which makes the hob cutting up and down movement better balanced, thus making the cutting more stable, and can effectively extend the service life of the ball screw.

The machine can be customized to four-axis or five-axis models according to user requirements.

▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	Units	YS3180CNC6(4)
最大工件直径 Maximum workpiece diameter	mm	800
最大模数 Maximum modulus	mm	12(10)
加工斜齿轮螺旋角 (A 轴) Helical angle of machined helical gear（A axis）	°	±45
刀架最大回转速度（A axis） Maximum rotating speed of tool post（A axis）	°/s	45
可安装滚刀最大直径 Maximum diameter of installed hobbing cutter	mm	180
可安装滚刀最大长度 Maximum length of installed hobbing cutter	mm	180
滚刀最大轴向移动量 (Y 轴) Maximum axial movement of hobbing cutter （Y axis）	mm	100
滚刀可换芯轴直径 Replaceable mandrel diameter hobbing cutter	mm	22 27 32 40
滚刀主轴锥孔锥度 Conicity of hobbing cutter spindle taper bore	mm	MT5#
滚刀中心到工作台中心水平距离 Horizontal distance from t center of hobbing cutter to center of worktable	mm	50-550
X 轴行程 X axis travel	mm	500
滚刀中心到工作台面垂直距离 Vertical distance from center of hobbing cutter to surface of worktable	mm	235-585
Z 轴行程 Z axis travel	mm	350
后立柱顶尖到工作台面距离 Distance from rear column center to worktable surface	mm	400-1100
工作台面直径 Diameter of worktable surface	mm	700
工作台最大承重 Maximum load of worktable	kg	500
滚刀主轴最高转速 (B 轴) Maximum speed of hobbing cutter spindle（B axis）	rpm	625
滚刀轴（B 轴）功率 B axis power(Spindle)	kw	5.5
轴向进给速度（Z 轴） Axial feeding speed range (Z- axis)	mm/min	0-2000
径向进给速度（X 轴） Radial feeding speed range (X-axis)	mm/min	0-2000
切向运动最大速度 Maximum tangential motion speed	mm/min	2000
工作台最大转速范围（C 轴） Maximum speed range of worktable（C axis）	rpm	30
机床体积（长 X 宽 X 高）Machine volume (L x W x H)	m	3.18x1.90x2.25
机床净重 Net weight of machine	kg	5800

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Y31125 CNC6 数控滚齿机

CNC GEAR HOBBING MACHINE

▶ 主要特点 MAIN FEATURES

本机床为六轴数控滚齿机，径向进给轴（X 轴）、切向进给轴（Y 轴）、轴向进给轴（Z 轴）、刀架回转轴（A 轴）、滚刀主轴回转轴（B 轴）、工作台回转轴（C 轴）。

1. 主轴电机直接安装在刀架上，经过三对高精度圆柱斜齿传动至滚刀主轴，降低了传动误差，提高传动精度。
2. 工作台采用高精度双导程涡轮蜗杆传动，并设计有阻尼机构，工作台下方还设有卸荷油缸，以降低 C 轴电机的负荷和延长工作台圆导轨的使用寿命。
3. 主要导轨采用硬轨淬火加贴塑工艺处理，从而保证了机床的耐久性。
4. Z 轴运动采用平衡油缸加链条配重的新结构，使滚刀切削上下运动时更好的平衡，从而使切削更加稳定，并且可以有效延长滚珠丝杠的使用寿命。

本机床可以根据用户需求定制四轴或者五轴的型号。

This machine is a six-axis CNC hobbing machine with radial feeding axis (X-axis), tangential feeding axis (Y-axis), axial feeding axis (Z-axis), tool holder rotary axis (A-axis), hobbing spindle rotary axis (B-axis), and table rotary axis (C-axis).

1. The spindle motor is directly mounted on the tool holder and driven to the hob spindle through three pairs of high-precision cylindrical helical gears, which reduces the transmission error and improves the transmission precision.
2、The table adopts high-precision double-guide turbine worm gear transmission and is designed with damping mechanism, and there is also a unloading cylinder under the table to reduce the load of the C-axis motor and prolong the service life of the table's circular guideway.
3、The main guideway is hardened and plasticized to ensure the durability of the machine.
4、Z-axis movement adopts the new structure of balancing cylinder and chain counterweight, which makes the hob cutting up and down movement better balanced, thus making the cutting more stable, and can effectively extend the service life of the ball screw.

The machine can be customized to four-axis or five-axis models according to user requirements.

▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	Units	Y31125 CNC6
最大工件直径 Maximum workpiece diameter	mm	1250
最大模数 Maximum modulus	mm	18
加工斜齿轮螺旋角 (A 轴) Helical angle of machined helical gear（A axis）	°	±45
刀架最大回转速度（A axis） Maximum rotating speed of tool post（A axis）	°/s	4.5
可安装滚刀最大直径 Maximum diameter of installed hobbing cutter	mm	230
可安装滚刀最大长度 Maximum length of installed hobbing cutter	mm	300
滚刀最大轴向移动量 (Y 轴) Maximum axial movement of hobbing cutter （Y axis）	mm	150
滚刀可换芯轴直径 Replaceable mandrel diameter hobbing cutter	mm	22 27 32 40
滚刀主轴锥孔锥度 Conicity of hobbing cutter spindle taper bore	mm	MT5#
滚刀中心到工作台中心水平距离 Horizontal distance from t center of hobbing cutter to center of worktable	mm	130-700
X 轴行程 X axis travel	mm	570
滚刀中心到工作台面垂直距离 Vertical distance from center of hobbing cutter to surface of worktable	mm	240-700
Z 轴行程 Z axis travel	mm	460
后立柱顶尖到工作台面距离 Distance from rear column center to worktable surface	mm	450-860
工作台面直径 Diameter of worktable surface	mm	950
工作台最大承重 Maximum load of worktable	kg	1000
滚刀主轴最高转速 (B 轴) Maximum speed of hobbing cutter spindle（B axis）	rpm	625
滚刀轴（B 轴）功率 B axis power(Spindle)	kw	11
轴向进给速度（Z 轴） Axial feeding speed range (Z- axis)	mm/min	0-1500
径向进给速度（X 轴） Radial feeding speed range (X-axis)	mm/min	0-1500
切向运动最大速度 Maximum tangential motion speed	mm/min	2000
工作台最大转速范围（C 轴） Maximum speed range of worktable（C axis）	rpm	30
机床体积（长 X 宽 X 高）Machine volume (L x W x H)	m	4.26x2.05x2.56
机床净重 Net weight of machine	kg	12000

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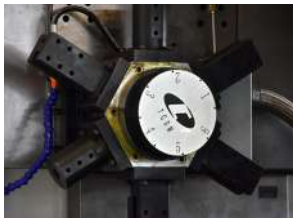
VTC 系列单柱式数控立车

SINGLE COLUMN CNC VERTICAL LATHE VTC SERIES



▶ 主要特点 MAIN FEATURES

VTC 单柱数控立式车床属于大型机械设备用于加工径向尺寸大而轴向尺寸相对较小，外形复杂的大型和重型工件。如各种盘，轮和套类工件的圆柱面，端面，圆锥面，圆柱孔，圆锥孔等。亦可借助附加安装停止车螺纹，车球面，仿形，铣削和磨削等加工。立式数控车床可以较长期的坚持工作精度。

VTC single-column CNC vertical lathe is a large mechanical equipment used to process large and heavy workpieces with large radial dimensions and relatively small axial dimensions and complex shapes. Such as the cylindrical surface, end surface, conical surface, cylindrical hole, conical hole, etc. of various discs, wheels and sleeves. Threading, spherical turning, profiling, milling and grinding can also be stopped with the aid of additional installations. Vertical CNC lathes can maintain working accuracy for a long time.

▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	Units	VTC50	VTC60	VTC70	VTC80A	VTC100A
X 轴行程 X-axis travel	mm	-50~300	-50~625	-50~650	-50~625	-50~820
Z 轴行程 Z-axis travel	mm	120-620	65~715	130~830	50-950	60~1110
最大回转直径 Max. swing diameter over	mm	ϕ650	ϕ650	ϕ800	ϕ1000	ϕ1200
最大车削直径 Maximum turning diameter	mm	ϕ500	ϕ500	ϕ700	ϕ800	ϕ1000
最大车削高度 Maximum turning height	mm	500	600	700	900	1000
主轴转速 Speed of mainshaft	rpm	100-1000	100-1000	100-800	100-800	100-800
主轴电机功率 Spindle motor power	kw	15	18.5	22	22	37
主轴外径 Spindle outer diameter	mm	ϕ130	ϕ160	ϕ160	ϕ180	ϕ200
卡盘型号 Chuck type	——	液压卡盘 Hydraulic chuck				
卡盘直径 Diameter of chuck	——	15"	18"	21"	24"	32"
刀塔类型 Turet/toolpost	——	四工位 / 八工位 Four stations/eight stations				
X 轴滚动直径导轨 X axis rolling diameter guide rail	——	2 根，宽 45mm 2 pieces, 45mm wide				2 根，宽 55mm 2 pieces, 55mm wide
Z 轴滚动直径导轨 Z axis rolling diameter guide rail	——	2 根，宽 45mm 2 pieces, 55mm wide				
CNC 系统标准配置 CNC system standard configuration	——	GSK				
冷却马达 Cooling motor	w	450+450	450+450	450+750	450+750	750+750
泵浦出水量 Pump water output	m^3/h	2	2	4	4	4
自动排屑机 Automatic chip cleaner		√	√	√	√	√
电柜制冷空调 Electric cabinet refrigeration air conditioning		√	√	√	√	√
重复定位精度 Repeated positioning accuracy	mm	±0.005			± 0.008	
定位精度 Positional accuracy	mm	±0.01				
最小定位单位 Minimum positioning unit	mm	0.001				
外形尺寸 Overall size	mm	2100*2500*2750	1710*2050*2910	2400*1800*3200	2400*2100*3600	2800*2400*3870
毛重 Gross weight	kg	5500	7500	8000	9000	11000

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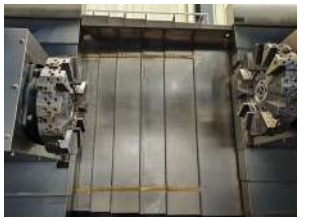
CK525 CK527 系列双柱式数控立车

DOUBLE COLUMN CNC VERTICAL LATHE CKSERIES



▶ 主要特点 MAIN FEATURES

CK 系列双柱数控立车采用滚柱型线性滑轨，主轴带轮和主轴数控伺服电机带轮通过皮带链接，配置 18.5KW 电机，无级变速，且变速范围广。垂直以及水平方向进给均由伺服电机控制自动进给，垂直方向安装负载平衡机构。机床刀架可以采用卧式多工位数控刀架或排刀。主轴上端可根据客户要求配置圆盘式工作台或者液压卡盘。主轴下端配置回转油缸，用于压紧加工工件，或用于控制液压卡盘。

CK series double-column CNC vertical lathe adopts roller type linear slideway, the main shaft pulley and the main shaft CNC servo motor pulley are linked by belt, equipped with 18.5KW motor, stepless speed change, and wide speed change range. Both vertical and horizontal feeds are automatically controlled by servo motors, and a load balancing mechanism is installed in the vertical direction. The tool holder of the machine tool can be a horizontal multi-station CNC tool holder or a row tool. The upper end of the spindle can be equipped with a disc table or a hydraulic chuck according to customer requirements. The lower end of the spindle is equipped with a rotary oil cylinder, which is used to press the workpiece or control the hydraulic chuck.

▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	Units	CK525	CK527
X 轴行程 X-axis travel	mm	280	450
Z 轴行程 Z-axis travel	mm	500	600
最大回转直径 Max. swing diameter over	mm	ϕ750	ϕ700
最大车削直径 Maximum turning diameter	mm	ϕ550	ϕ700
最大车削高度 Maximum turning height	mm	500	600
主轴转速 Speed of mainshaft	rpm	100-1000	100-1000
主轴电机功率 Spindle motor power	kw	18.5	22
主轴外径 Spindle outer diameter	mm	ϕ140	ϕ160
卡盘型号 Chuck type	——	液压卡盘 Hydraulic chuck	
卡盘直径 Diameter of chuck	——	15"	18"
刀塔类型 Turet/toolpost	——	八工位 + 排刀 8 stations + knife row	
X 轴滚动直径导轨 X axis rolling diameter guide rail	——	4 根，宽 45mm 4 pieces, 45mm wide	
Z 轴滚动直径导轨 Z axis rolling diameter guide rail	——	4 根，宽 45mm 4 pieces, 55mm wide	
CNC 系统标准配置 CNC system standard configuration	——	凯恩帝 KND	
冷却马达 Cooling motor	w		
泵浦出水量 Pump water output	m^3/h	√	√
自动排屑机 Automatic chip cleaner		√	√
电柜制冷空调 Electric cabinet refrigeration air conditioning		450+750	450+750
定位精度 Positional accuracy	mm	±0.008	
重复定位精度 Repeated positioning accuracy	mm	±0.005	
最小定位单位 Minimum positioning unit	mm	±0.01	
外形尺寸 Overall size	mm	2900*2400*2800	2400*2050*2910
毛重 Gross weight	kg	7000	9000

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VS·A 系列·立式车铣复合

VS-A SERIES VERTICAL TURNING AND MILLING MACHINE

▶ 主要特点 MAIN FEATURES

VTC 单柱数控立式车床属于大型机械设备用于加工径向尺寸大而轴向尺寸相对较小，外形复杂的大型和重型工件。如各种盘，轮和套类工件的圆柱面，端面，圆锥面，圆柱孔，圆锥孔等。亦可借助附加安装停止车螺纹，车球面，仿形，铣削和磨削等加工。立式数控车床可以较长期的坚持工作精度。

VTC single-column CNC vertical lathe is a large mechanical equipment used to process large and heavy workpieces with large radial dimensions and relatively small axial dimensions and complex shapes. Such as the cylindrical surface, end surface, conical surface, cylindrical hole, conical hole, etc. of various discs, wheels and sleeves. Threading, spherical turning, profiling, milling and grinding can also be stopped with the aid of additional installations. Vertical CNC lathes can maintain working accuracy for a long time.

▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	Units	
X1 轴行程 X1-axis travel	mm	650
X2 轴行程 X2-axis travel	mm	500
Z1 轴行程 Z1-axis travel	mm	700
Z2 轴行程 Z2-axis travel	mm	700
最大回转直径 Maximum Swing Diameter	mm	800
最大车削直径 Max. turning diameter	mm	700
最大车削高度 Max. turning height	mm	700
主轴转速 Spindle speed	rpm	50-1000
前轴承直径 Front bearing diameter	mm	ϕ160
主轴轴向跳动 Spindle axial runout	mm	0.003
主轴径向跳动 Spindle radial runout	mm	0.003
主轴输出额定扭矩 Rated torque of spindle output	N.M	700
钻铣主轴转速 Drilling and milling spindle speed	rpm	8000
钻铣主轴规格 Drilling and milling spindle specifications	BT	40-150
主轴电机功率 Spindle motor power	KW	22
钻铣主轴功率 Drilling and milling spindle power	KW	7.5
卡盘形式 Chuck type	——	三爪液压自定心卡盘 Three-jaw hydraulic self-centering chuck
卡盘直径 Chuck Diameter	inch	18in
刀塔工位刀塔工位 Turret station	——	十二工位 12 stations
圆盘式刀库 Disc type tool magazine	——	BT40-24T
X 轴导轨 X-axis guides	mm	55
Z 轴导轨 Z-axis guides	mm	45
X 轴丝杠 X-axis screw	mm	ϕ40
Z 轴丝杠 Z-axis screw	mm	ϕ40
定位精度 position accuracy	mm	± 0.008
重复定位精度 Repeat Positioning Accuracy	mm	± 0.004
最小移动单位 Minimum movement unit	mm	0.001
主轴分度定位精度 Spindle indexing positioning accuracy	°	0.1°
主轴分度重复定位精度 Spindle indexing repeatability accuracy	°	0.05°
主轴最小分度单位 Minimum spindle indexing unit	°	0.01°
外形尺寸 External Dimensions	mm	3000×2400×2950
机床重量 Machine weight	kg	12000

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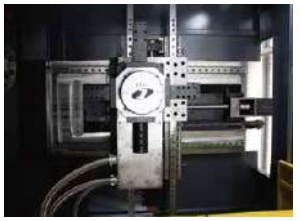
VS·B 系列·立式车铣复合

VS-B SERIES VERTICAL TURNING AND MILLING MACHINE



▶ 主要特点 MAIN FEATURES

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▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	Units	VS800B
X 轴行程 X-axis travel	mm	450
Z 轴行程 Z-axis travel	mm	650
Y 轴行程 Y-axis travel	mm	250
最大回转直径 Maximum swing diameter	mm	800
最大车削直径 Max. turning diameter	mm	700
最大车削高度 Max. turning height	mm	650
主轴转速 Spindle speed	rpm	50-1000
前轴承直径 Front bearing diameter	mm	ϕ160
主轴轴向跳动 Spindle axial runout	mm	0.003
主轴径向跳动 Spindle radial runout	mm	0.003
主轴输出额定扭矩 Rated torque of spindle output	N.M	700
主电机功率 Main motor power	Kw	22
钻铣主轴转速 Drilling and milling spindle speed	rpm	6000
钻铣主轴功率 Drilling and milling spindle power	Kw	7.5
刀柄形式 Shank type		BT40
卡盘形式 Chuck type		三爪液压自定心卡盘 Three-jaw hydraulic self-centering chuck
卡盘直径 Chuck diameter	mm	ϕ500
刀塔工位刀塔工位 Turret station		十二工位 12 stations
X 向导轨 X-axis guides	mm	45
Z 向导轨 Z-axis guides	mm	45
Y 向导轨 Y-axis guides	mm	35
X 向丝杠 X-axis screw	mm	ϕ40
Z 向丝杠 Z-axis screw	mm	ϕ40
Y 向丝杠 Y-axis screw	mm	ϕ32
冷却马达功率 Cooling motor power	Kw	0.45
液压马达功率 Hydraulic motor power	Kw	1.5
定位精度 position accuracy	mm	± 0.005
重复定位精度 Repeat positioning accuracy	mm	± 0.003
最小移动单位 Minimum movement unit	mm	0.001
外形尺寸 External dimensions	mm	2700*2160*3000
机床重量 Machine weight	kg	9000

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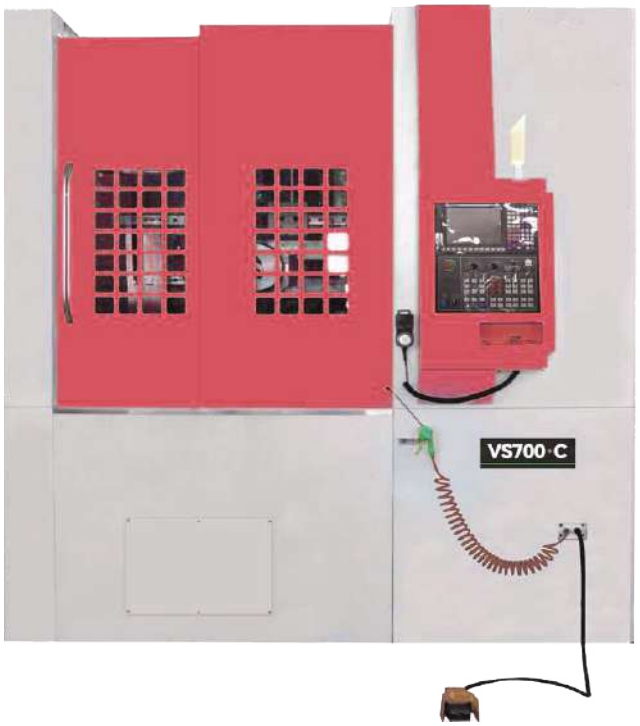
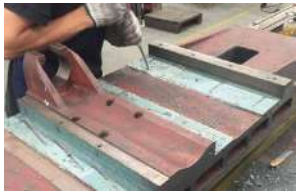
VS·C 系列·立式车铣复合

VS-C SERIES VERTICAL TURNING AND MILLING MACHINE





▶ 主要特点 MAIN FEATURES

VTC 单柱数控立式车床属于大型机械设备用于加工径向尺寸大而轴向尺寸相对较小，外形复杂的大型和重型工件。如各种盘，轮和套类工件的圆柱面，端面，圆锥面，圆柱孔，圆锥孔等。亦可借助附加安装停止车螺纹，车球面，仿形，铣削和磨削等加工。立式数控车床可以较长期的坚持工作精度。

VTC single-column CNC vertical lathe is a large mechanical equipment used to process large and heavy workpieces with large radial dimensions and relatively small axial dimensions and complex shapes. Such as the cylindrical surface, end surface, conical surface, cylindrical hole, conical hole, etc. of various discs, wheels and sleeves. Threading, spherical turning, profiling, milling and grinding can also be stopped with the aid of additional installations. Vertical CNC lathes can maintain working accuracy for a long time.

▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	Units	VS600·C	VS700·C	VS800·C	VS1000·C	VS1250·C	VS1600·C
X 轴行程 X-axis travel	mm	450	500	600	650	700	1000
Z 轴行程 Z-axis travel	mm	600	650	800	850	850	1200
最大回转直径 Maximum Swing Diameter	mm	700	800	950	1100	1250	1700
最大车削直径 Max. turning diameter	mm	600	700	900	1000	1100	1600
最大车削高度 Max. turning height	mm	600	650	800	800	800	1200
主轴转速 Spindle speed	rpm	50-1000	50-1000	50-1000	50-800	30-600	30-500
前轴承直径 Front bearing diameter	mm	ϕ130	ϕ160	ϕ200	ϕ200	ϕ200	ϕ260
主轴轴向跳动 Spindle axial runout	——	0.003	0.003	0.003	0.003	0.003	0.003
主轴径向跳动 Spindle radial runout	——	0.003	0.003	0.003	0.003	0.003	0.003
主轴输出额定扭矩 Rated torque of spindle output	N.M	590	700	950	950/2800(变速箱 transmission		950/3600(变速箱 transmission)
主电机功率 Main motor power	Kw	18.5	22	30	30/22	30/22	45/30
卡盘形式 Chuck type	——	三爪液压自定心卡盘 Three-jaw hydraulic self-centering chuck			四爪手动卡盘 Four-jaw manual chuck		
卡盘直径 Chuck Diameter	mm	ϕ400	ϕ500	ϕ630	ϕ630	ϕ800	ϕ1000
刀塔工位 Turret station	——	十二工位 12 stations					
车刀座 Turning Tool Block	——	□ 32/ϕ50	□ 32/ϕ50	□ 32/ϕ50	□ 32/ϕ50	□ 32/ϕ50	□ 32/ϕ50
动力刀柄 Power tool shank	——	BMT55	BMT65	BMT65	BMT65	BMT65	BMT75
X 轴导轨 X-axis guides	mm	45	45	55	55	55	55
Z 轴导轨 z-axis guides	mm	45	45	55	55	55	55
X 轴丝杠 X-axis screw	mm	ϕ40	ϕ40	ϕ50	ϕ50	ϕ50	ϕ50
Z 轴丝杠 z-axis screw	mm	ϕ40	ϕ40	ϕ50	ϕ50	ϕ50	ϕ50
冷却马达功率 Cooling motor power	Kw	0.45	0.45	0.75	0.75	0.75	0.75
液压马达功率 Hydraulic motor power	Kw	1.5	1.5	1.5	1.5	1.5	1.5
定位精度 position accuracy	mm	±0.005	±0.005	±0.008	±0.008	±0.008	±0.008
重复定位精度 Repeat Positioning Accuracy	mm	±0.003	±0.003	±0.004	±0.005	±0.005	±0.005
最小移动单位 Minimum movement unit	mm	0.001	0.001	0.001	0.001	0.001	0.001
外形尺寸 External Dimensions	mm	1950*1860*2800	2150*1955*2950	2350*2200*3200	2500*2450*3200	2650*2600*3400	3000*2800*3900
机床重量 Machine weight	kg	6500	7500	10000	11500	12000	15000

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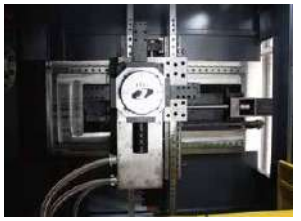
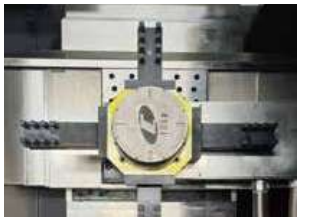
VS·F 系列·方滑枕式数控立车

VS-F SERIES SQUARE RAM CNC VERTICAL LATHE





▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	Units	VS1000F	VS1250F	VS1600F
X 轴行程 X-axis travel	mm	700	700	1450
Z 轴行程 Z-axis travel	mm	850	850	1000
Z 轴行程 Z-axis trave	mm	800	800	800
最大回转直径 Max. swing diameter	mm	1100	1250	1600
最大车削直径 Max. turning diameter	mm	1000	1100	1250
最大车削高度 Max. turning height	mm	850	850	1200
主轴转速 Spindle speed	rpm	50-600	50-500	10-500
前轴承直径 Front bearing diameter	mm	ϕ200	ϕ200	ϕ260
主轴轴向跳动 Spindle axial runout	mm	0.003	0.003	0.005
主轴径向跳动 Spindle radial runout	mm	0.003	0.003	0.005
主轴输出额定扭矩 Rated torque of spindle output	N.M	950/2800(变速箱 transmission)		4500(变速箱 transmission)
主电机功率 Main motor power	Kw	30	30	37
卡盘形式 Chuck type		三爪液压自定心卡盘 Three-jaw hydraulic self-centering chuck	四爪手动卡盘 Four-jaw manual chuck	
卡盘直径 Chuck diameter	inch	24in	32in	ϕ1000
刀塔工位 Turret station		十二工位 12 stations		12T 刀库 12T tool magazine
X 向导轨 X-axis guides	mm	55	55	65
Z 向导轨 z-axis guides	mm	55	55	200*80
方枕尺寸 Square pillow size	mm	180*180	180*180	250*250
X 向丝杠 X-axis screw	mm	ϕ40	ϕ40	ϕ50
Y 向丝杠 Y-axis screw	mm	ϕ50	ϕ50	ϕ50
Z 向丝杠 Z-axis screw	mm	ϕ40	ϕ40	ϕ50
冷却马达功率 Cooling motor power	Kw	0.75	0.75	0.75
液压马达功率 Hydraulic motor power	Kw	1.5	1.5	1.5
定位精度 Position accuracy	mm	± 0.01	± 0.01	±0.01
重复定位精度 Repeat positioning accuracy	mm	±0.006	±0.006	±0.006
最小移动单位 Minimum movement unit	mm	0.001	0.001	0.001

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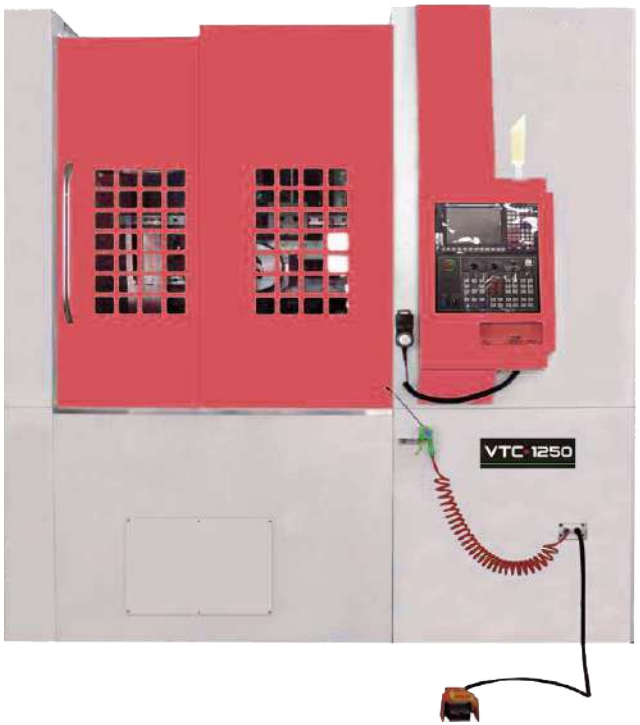
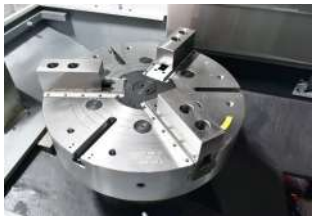
VTC 系列·数控立车

VTC SERIES VERTICAL TURNING AND MILLING MACHINE





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▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	Units	VTC60	VTC70	VTC80	VTC1000	VTC1250
X 轴行程 X-axis travel	mm	450	500	600	700	700
Z 轴行程 Z-axis travel	mm	600	650	800	850	850
最大回转直径 Maximum Swing Diameter	mm	700	800	950	1100	1250
最大车削直径 Max. turning diameter	mm	600	700	900	1000	1100
最大车削高度 Max. turning height	mm	600	650	800	800	800
主轴转速 Spindle speed	rpm	50-1000	50-1000	50-1000	50-600	50-500
前轴承直径 Front bearing diameter	mm	ϕ130	ϕ160	ϕ200	ϕ200	ϕ200
主轴轴向跳动 Spindle axial runout	——	0.003	0.003	0.003	0.003	0.003
主轴径向跳动 Spindle radial runout	mm	0.003	0.003	0.003	0.003	0.003
主轴输出额定扭矩 Rated torque of spindle output	N.m	590	700	950	950/2800(变速箱 transmission	
主电机功率 Main motor power	Kw	18.5	22	30	30/22	30/22
卡盘形式 Chuck type	——	三爪液压自定心卡盘 Three-jaw hydraulic self-centering chuck			四爪手动卡盘 Four-jaw manual chuck	
卡盘直径 Chuck Diameter	mm	ϕ400	ϕ500	ϕ630	ϕ630	ϕ800
刀塔工位 Turret station	——	十二工位 12 stations	四工位 4 stations	四工位 / 十二工位 4 stations / 12 stations		
X 轴导轨 X-axis guides	——	45	45	55	55	55
Z 轴导轨 z-axis guides	——	45	45	55	55	55
X 轴丝杠 X-axis screw	——	ϕ40	ϕ40	ϕ50	ϕ50	ϕ50
Z 轴丝杠 z-axis screw	——	ϕ40	ϕ40	ϕ50	ϕ50	ϕ50
冷却马达功率 Cooling motor power	Kw	0.45	0.45	0.75	0.75	0.75
液压马达功率 Hydraulic motor power	Kw	1.5	1.5	1.5	1.5	1.5
定位精度 position accuracy	mm	±0.005	±0.005	±0.008	±0.008	±0.008
重复定位精度 Repeat Positioning Accuracy	mm	±0.003	±0.003	±0.004	±0.005	±0.005
最小移动单位 Minimum movement unit	mm	0.001	0.001	0.001	0.001	0.001
外形尺寸 External Dimensions	mm	1950*1860*2800	2150*1955*2950	2350*2200*3200	2500*2450*3200	2650*2600*3400
机床重量 Machine weight	kg	6500	7500	10000	11500	12000

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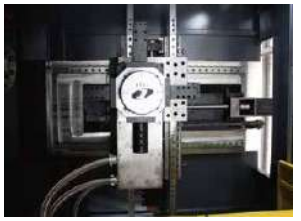
CK 尾座式数控立车

CK SERIES-HARD RAIL CNC VERTICAL TURNING LATHE



▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	Units	CK700
X 轴行程 X-axis travel	mm	500
Z 轴行程 Z-axis travel	mm	650
最大回转直径 Maximum Swing Diameter	mm	800
最大车削直径 Max. turning diameter	mm	700
最大车削高度 Max. turning height	mm	650
主轴转速 Spindle speed	rpm	50-1000
前轴承直径 Front bearing diameter	mm	ϕ160
主轴轴向跳动 Spindle axial runout	mm	0.003
主轴径向跳动 Spindle radial runout	mm	0.003
卡盘形式 Chuck type		三爪液压自定心卡盘 Three-jaw hydraulic self-centering chuck
卡盘直径 Chuck Diameter	mm	ϕ500
刀塔工位 Turret station		四工位 / 十二工位 4/12 stations
X 向导轨 X-axis guides	mm	70*40
Z 向导轨 z-axis guides	mm	100*45
X 向丝杠 X-axis screw	mm	ϕ40
Z 向丝杠 z-axis screw	mm	ϕ40
主电机功率 Main motor power	Kw	22
主轴输出额定扭矩 Rated torque of spindle output	N.M	700
液压马达功率 Hydraulic motor power	Kw	1.5
定位精度 position accuracy	mm	± 0.008
重复定位精度 Repeat Positioning Accuracy	mm	± 0.005
最小移动单位 Minimum movement unit	mm	0.001
外形尺寸 External Dimensions	mm	2150X1955X2950
机床重量 Machine weight	kg	7500

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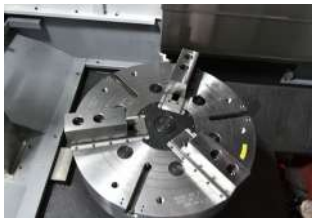
VTC·W 尾座式数控立车

VTC-W TAILSTOCK TYPE CNC VERTICAL LATHE



▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	Units	600W
X 轴行程 X-axis travel	mm	450
Z 轴行程 Z-axis travel	mm	600
最大回转直径 Maximum Swing Diameter	mm	700
最大车削直径 Max. turning diameter	mm	600
最大车削高度 Max. turning height	mm	600
主轴转速 Spindle speed	rpm	50-1000
前轴承直径 Front bearing diameter	mm	ϕ160
主轴轴向跳动 Spindle axial runout	mm	0.003
主轴径向跳动 Spindle radial runout	mm	0.003
卡盘形式 Chuck type	——	三爪液压自定心卡盘 Three-jaw hydraulic self-centering chuck
卡盘直径 Chuck Diameter	mm	15in
刀塔工位 Turret station	——	十二工位 12 stations
X 轴导轨 X-axis guides	mm	45
Z 轴导轨 z-axis guides	mm	45
X 轴丝杠 X-axis screw	mm	ϕ40
Z 轴丝杠 z-axis screw	mm	ϕ40
主电机功率 Main motor power	Kw	18.5
主轴输出额定扭矩 Rated torque of spindle output	N.M	590
液压马达功率 Hydraulic motor power	Kw	0.45
定位精度 position accuracy	mm	± 0.006
重复定位精度 Repeat Positioning Accuracy	mm	± 0.003
最小移动单位 Minimum movement unit	mm	0.001
外形尺寸 External Dimensions	mm	2200X1860X2800
机床重量 Machine weight	kg	7500

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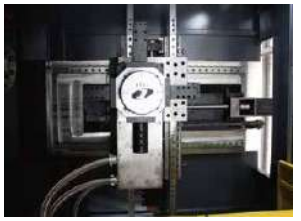
KV 系列·高速数控立车

KV SERIES-HIGH SPEED CNC VERTICAL TURNING LATHE



▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	Units	KV40	KV60	KV80
X 轴行程 X-axis travel	mm	350	450	600
Z 轴行程 Z-axis travel	mm	450	600	700
最大回转直径 Maximum Swing Diameter	mm	500	700	900
最大车削直径 Max. turning diameter	mm	400	600	800
最大车削高度 Max. turning height	mm	450	600	700
主轴转速 Spindle speed	rpm	50-1500	50-1000	50-800
前轴承直径 Front bearing diameter	mm	ϕ130	中 160	中 200
主轴轴向跳动 Spindle axial runout	mm	0.003	0.003	0.005
主轴径向跳动 Spindle radial runout	mm	0.003	0.003	0.005
主轴输出额定扭矩 Rated torque of spindle output		236	590	950
主电机功率 Main motor power	mm	18.5	22	30
卡盘形式 Chuck type		三爪液压自定心卡盘 Three-jaw hydraulic self-centering chuck		
卡盘直径 Chuck Diameter	mm	12in	15in	ϕ630
刀塔工位 Turret station	mm	十二工位 12 stations		四 / 十二工位 4/12 stations
X 向导轨 X-axis guides	mm	35	45	45
Z 向导轨 z-axis guides	mm	45	45	55
X 向丝杠 X-axis screw	Kw	ϕ40	ϕ40	ϕ40
Z 向丝杠 z-axis screw	N.M	ϕ40	ϕ40	ϕ50
冷却马达功率 Cooling motor power	Kw	0.45	0.45	0.75
液压马达功率 Hydraulic motor power	mm	1.5	1.5	1.5
定位精度 position accuracy	mm	± 0.005	± 0 . 005	± 0.008
重复定位精度 Repeat Positioning Accuracy	mm	±0.003	± 0.003	± 0.004
最小移动单位 Minimum movement unit	mm	0.001	0.001	0.001

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TXK68 TXK611 TXK611W 数控镗床

CNC BORING MACHINE

▶ 主要特点 MAIN FEATURES

本系列机床适用于镗削汽车、拖拉机等内燃机汽缸孔和缸套内孔，也可用于其它机械的修理加工，也可用于其它机械零件，内孔的精密镗削加工。主要用于中、大及重型发动机的维修。

Mainly for boring cylinder hole & cylinder liner inner hole ofofinternal-combustion engine of vehicles & tractors.also used for fine boring inner hole of other parts. mainly for medium/large/heavy engines.

▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	Units	TXK68	TXK611	TXK611W
主轴直径 Spindle diameter	mm	155	155	155
主轴锥度 Spindle taper	BT	BT50	BT50	BT50
主轴转速范围 Spindle speed range	rpm	3000(伺服 Servo drive)	1-3000(伺服 Servo)	1000(伺服 Servo)
工作台工作尺寸 Table size	mm	900*800	1100*900	1100*900
工作台纵向行程 Table longitudinal travel(Z axis)	mm	1200	1200	1200
工作台横向行程 Table cross fravel(X axis)	mm	650	1000	1000
主轴箱行程 Spindle box travel(Y axis)	mm	700	900	900
主轴轴向行程 Spindle travel of spindle	mm	无 (可选配伸缩主轴 Optional telescopic spindle)		550
工作台进给速度 Table feed speed(steps)	mm/min	1-2500	1-2500	1-2500
主电机功率 Main motor power	kw	15	15	15
定位精度 Positioning accuracy	mm	±0.025	±0.025	±0.025
重复定位精度 Repeat positioning	mm	±0.015	±0.015	±0.015
机床重量 Machine Weight	kg	6000	9000	9000
外形尺寸 mm (LxWxH)Overall Dimensions	mm	4000*2200*2500	4000*3000*3000	4000*3000*3000

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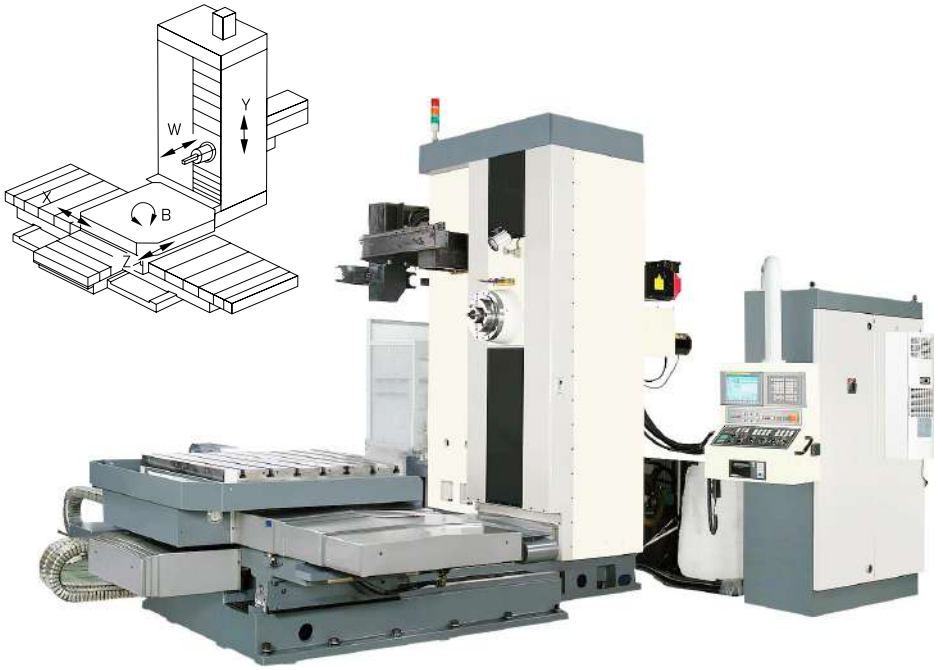
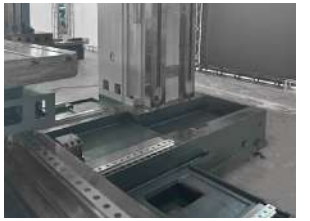
TK61 系列数控卧式镗铣床

TK61 SERIES CNC HORIZONTAL BORING AND MILLING MACHINE





▶ 主要特点 MAIN FEATURES

- 台式布局整体床身 , 固定立柱 , 侧挂主轴箱结构
- 工作台导轨为十字型坐标结构
- 导轨可选复合导轨 / 重载滚柱直线导轨 , 复合导轨均为全面磨削
- 床身增加整体式辅助导轨 , 扩展机床横向行程的同时保证床身良好的刚性
- 床身立柱导轨全面磨削

- Table layout with integral bed, fixed columns and side-mounted spindle box structure
- The table guideway is a cross type coordinate structure.
- Composite guideways/heavy-duty roller linear guideways are available, and the composite guideways are fully ground.
- Integral auxiliary guideways are added to the bed to extend the lateral travel of the machine and ensure good rigidity of the bed.
- Fully ground bed column guideways.

▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS		Units	TK6111	TK6113
主轴直径 Spindle diameter		mm	ϕ110	ϕ130
主轴转速 Spindle speed		r/min	2~3000	2~3000
平旋盘直径 Diameter of flat rotating disk		mm	630	750
平旋盘滑块行程 (U) Flat disk slide travel (U)		mm	150	180
工作台面尺寸 Table Size		mm	1000×1250 1250×1400 1400×1400 1400×1600 1600×1800	1400×1600 1600×1800 1800×2000 2000×2000
工作台标配承重 Table standard load		Kg	3000~10000	5000~15000
工作台横向行程 (X)Table lateral travel (X)		mm	1600~2000	1800~2000
主轴箱垂直行程 (Y) Vertical travel of spindle box (Y)		mm	1200~1800	1200~2000
工作台纵向行程 (Z) Table longitudinal travel (Z)		mm	1200~1400	1200~1400
主轴行程 (W)Spindle travel (W)		mm	600	800
工作台回转 B 轴 Table rotation B-axis		°	360	
工作台 T 型槽宽度 Table T-slot width		mm	22	
主轴中心至工作台面距离 Distance from spindle center to table surface		mm	1500	
X、Y、Z 进给范围 X, Y, Z feed range		mm/min	0.04-2000 无级调速 stepless speed control	
X、Y、Z 快速移动速度 X, Y, Z rapid traverse speed		mm/min	10000	
机床定位精度 Machine positioning accuracy	工作台横向移动 Table transverse movement	mm/m	0.003	
	工作台纵向移动 Table longitudinal movement	mm/m	0.003	
	主轴箱上下移动 Spindle box up and down movement	mm/m	0.003	
	镗孔精度 Boring accuracy	mm/m	0.02	
	回转工作台回转 Rotary table rotation		8"	
X、Y、Z、W 重复定位精度 X, Y, Z, W Repeat Positioning Accuracy		mm/m	0.0025	
B 重复定位精度 B Repeat positioning accuracy			6″	
电气总功率 Total electric power			50KVA	

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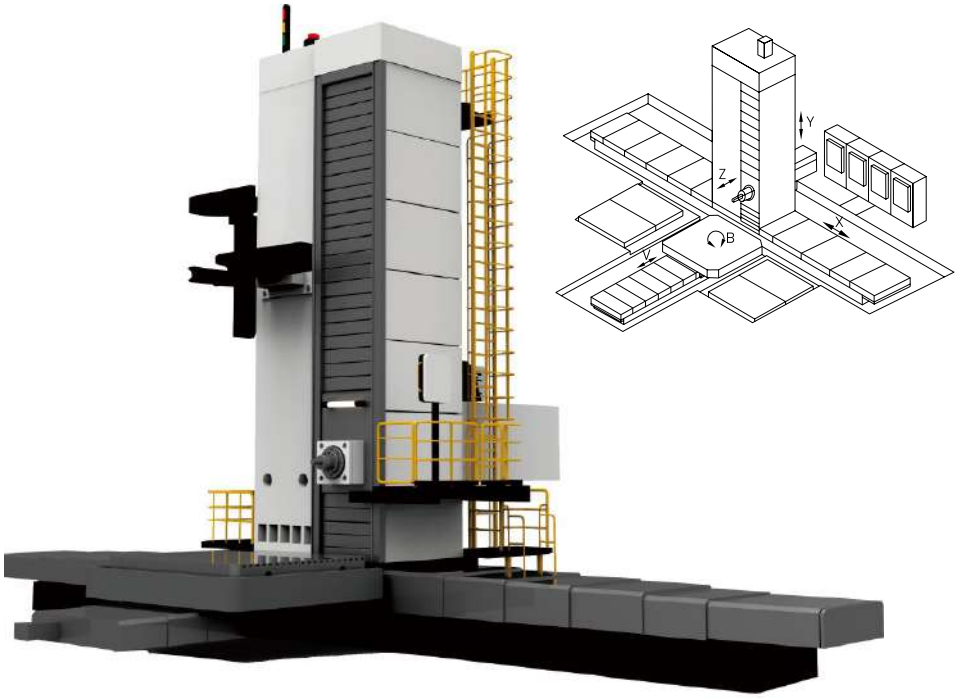
TK62 系列数控落地镗铣床

TK62 SERIES CNC FLOOR BORING AND MILLING MACHINE



▶ 主要特点 MAIN FEATURES

- 静压导轨
- 高刚性床身多重支承
- 全封闭主轴箱
- 进口钢丝绳配重平衡先进独有的平衡方式
- 立柱双层加强筋设计
- 床身立柱导轨全面磨削
- 立柱导轨带有卸荷装置
- 自带多种补偿方式

- Hydrostatic guideways
- Highly rigid bed with multiple supports
- Fully enclosed spindle box
- Imported steel wire rope counterweight balancing advanced and unique balancing method.
- Column double-layer reinforcement design
- Fully ground column guideways.
- Column guideway with unloading device.
- Self-compensated with a variety of compensation methods

▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	Units	TK6213	TK6216
镗轴直径 Boring Shaft Diameter	mm	130	160
铣轴直径	mm	221.44	260
主轴锥孔		ISO50	ISO50
主轴转速	mm	2~2000	2~2000
镗轴最大扭矩	N.m	2200	3500
最大轴向抗力	N	30000	40000
主电机功率	Kw	30	75
平旋盘尺寸	mm	630	750
平旋盘转速	mm	3~122	3-100
立柱行程 (X)	m	4+n	4+n
主轴箱垂直行程 (Y) Vertical travel of spindle box (Y)	m	2~4	3~6
主轴轴向行程 (Z)	mm	1000	1000
平旋盘滑块行程 (U) Flat disk slide travel (U)	mm	140	200
立柱移动速度（X)	mm/min	0.5~10000	0.5~8000
主轴箱垂直移动速度（Y）	mm/min	0.5~10000	0.5~8000
主轴移动速度（Z）	mm/min	0.5~6000	0.5~6000
X/Y 定位精度	mm	±0.02	±0.02
Z 定位精度	mm	±0.02	±0.02
X/Y 重复定位精度	mm	0.015	0.015
Z 重复定位精度	mm	0.018	0.018

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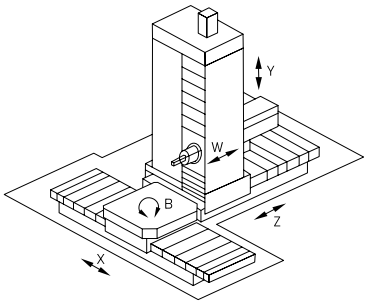
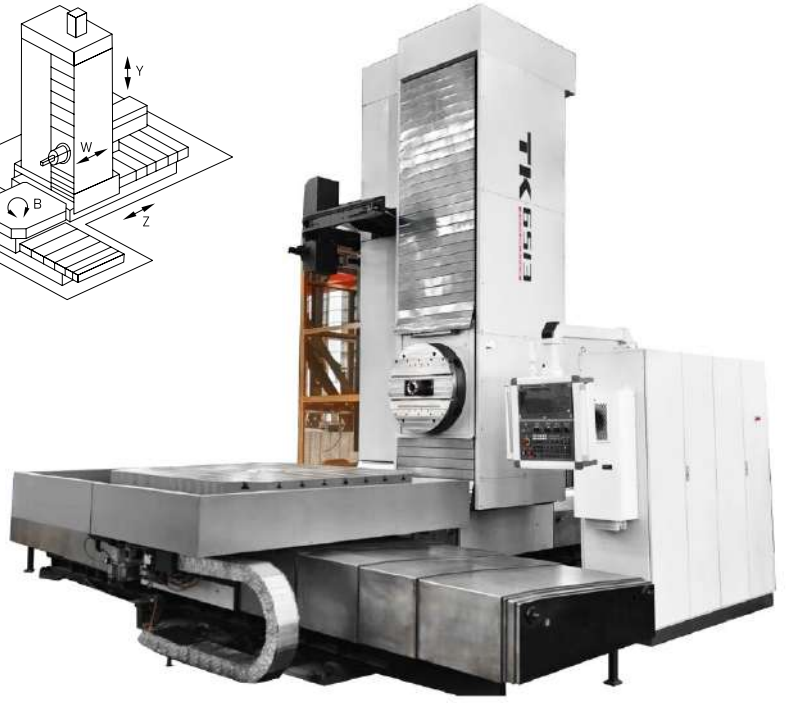
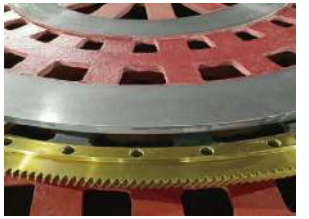
TK65 系列数控刨台镗铣床

TK65 SERIES CNC PLANER TABLE BORING AND MILLING MACHINE







▶ 主要特点 MAIN FEATURES

- 进口钢丝绳配重平衡
- 立柱双层加强筋设计
- 复合导轨均为全面磨削
- 回转工作台为大回转支承
- 回转齿圈为磨制大直径齿圈
- 回转刹车为液压抱刹
- 回转传动为带有消隙机构的双齿轮驱动齿圈（单 / 双电机双齿轮消隙机构）

- Imported wire rope counterweight balance
- Double-layer reinforcement design for column
- Composite guides are fully ground.
- Slewing table with large slewing bearing.
- Slewing gear ring is ground large diameter gear ring.
- Slewing brakes are hydraulic
- Slewing drive is a double gear ring with backlash mechanism (single/double motor and double gear backlash mechanism).

▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS		Units	TK6511	TK6513	TK6516
镗轴直径 Boring Shaft Diameter		Mm	ϕ110	ϕ130	ϕ160
铣轴端部直径 Diameter of milling shaft end			——	ϕ221.44	ϕ250
镗轴锥孔 Boring Shaft Tapered Bore			BT50 7:24	ISO 50(BT50 7:24)	BT50 7:24
拉钉型号 Spigot Model			MAS 403 P50T-1	D50 DIN69872	D50 DIN69872
主电机功率 Main Motor Power		Kw	17/22.5	30	37
镗轴转速 Boring shaft speed		r/min	5-1500	2-1500	2-2000
最大输出扭矩 Maximum Output Torque		N·m	1300/1600	2674	4000
镗轴最大进给抗力 Maximum Feed Resistance of Boring Axis		N	16000	23000	45000
工作台面尺寸 Table Size		Mm	1000×1250 1250×1400 1400×1600 1600×1800	1400×1600 1600×1800 1800×2000 2000×2000 2000×2500	1800×2000 2000×2000 2000×2500 2500×2500
工作台标配承重 Table standard load		Kg	3000/5000/10000	5000/10000/20000	10000/15000/20000/40000
工作台横向移动 X 轴 Table lateral movement X-axis		mm	1500~2000	2000~4000	3000
主轴箱垂直 Y 轴 Spindle box vertical Y-axis		mm	1800	2000/2500/3000	3000~4000
立柱纵向移动 Z 轴 Column longitudinal movement Z-axis		mm	1200	1500	2000
镗轴轴向 W 轴 Boring axis axial W-axis		mm	600	800	800
工作台回转 B 轴 Table rotation B-axis		°	360	360	360 0.001°
工作台 T 型槽宽度 Table T-slot width		mm	22	28	28
主轴端面至工作台工中心最小距离 Minimum distance from spindle face to table work center		mm	100（主轴伸出）	——	——
主轴中心至工作台面距离 Distance from spindle center to table surface		mm	0-1800	0-2000/2500/3000	0-2500
切削进给速度 Cutting feed rate	X 轴 X-axis	mm/min	无级可调 infinitely Adjustable，0.5-6000mm/min	无级可调 infinitely Adjustable 6000mm/min	无级可调 infinitely Adjustable 6000mm/min
	Y 轴 Y-axis	mm/min			
	Z 轴 Z-axis	mm/min			
	W 轴 W-axis	mm/min	无级可调 infinitely Adjustable，0.5-3000mm/min	无级可调 infinitely Adjustable 3000mm/min	
	B 轴 B-axis		0~1r/min	360° /min	360° /min
快速移动速度 Rapid Movement Speed	X 轴 X-axis	mm/min	6000	8000	10000
	Y 轴 Y-axis	mm/min			
	Z 轴 Z-axis	mm/min			
	W 轴 W-axis	mm/min	4000	4000	4000
	B 轴 B-axis		2r/min	450° /min	450° /min
定位精度 Position accuracy 执行标准 (Implementation standards)JB/T4373-1999	X 轴 X-axis	mm	0.025	0.018/1000	0.015/1000
	Y 轴 Y-axis	mm	0.02		
	Z 轴 Z-axis	mm	0.02		
	W 轴 W-axis	mm	0.02	0.02	0.01/800
	B 轴任意角度 B-axis arbitrary angle	"	8	8	8
重复定位精度 Repeat Positioning Accuracy 执行标准 (Implementation standards)JB/T4373-1999	X 轴 X-axis	mm	0.018	0.015	0.008
	Y 轴 Y-axis	mm	0.016		
	Z 轴 Z-axis	mm	0.016		
	W 轴 W-axis	mm	0.016	0.015	0.008
	B 轴任意角度 B-axis arbitrary angle	"	6	6	6

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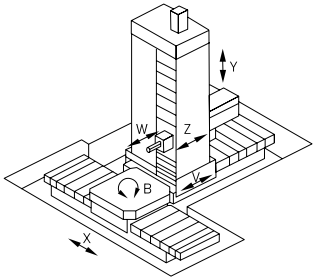
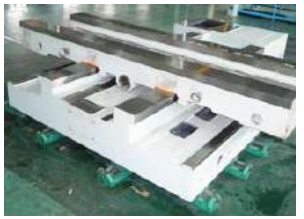
TK68 系列数控刨台卧式镗铣床（带方滑型）

TK68 CNC PLANER TABLE HORIZONTAL BORING AND MILLING MACHINE (WITH SQUARE SLIDE TYPE)





▶ 主要特点 MAIN FEATURES

- 高刚性床身，多重支承
- 全封闭主轴箱
- 方滑枕为四面全包形式，自带补偿机构
- 进口钢丝绳配重平衡，先进的多种平衡补偿方式
- 床身立柱导轨全面磨削
- 立柱双层加强筋设计
- 立柱导轨带有卸荷装置
- 主轴与方滑枕同步进给具有高速、低噪音、高扭特点

- Highly rigid bed with multiple supports.
- Fully enclosed spindle housing
- Square ram is fully wrapped on all four sides, with its own compensation mechanism.
- Imported steel wire rope counterweight balance, advanced balance compensation methods
- Full grinding of bed column guideways.
- Column double-layer reinforcement design
- Column guideway with unloading device.
- Synchronized feeding of the spindle and the square ram with high speed, low noise and high torsion.

▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	Units	TK6813	TK6816	TH6820
镗轴直径 Boring Shaft Diameter	mm	130	160	200
主轴转速 Spindle speed	r/min	2~3000	2~2000	2~2000
主轴电机功率 Spindle motor power	Kw	30	45	51
滑枕截面尺寸 Cross-sectional dimensions of ram	mm	420*460		480*520
工作台面尺寸 Table Size	mm	1600×1800 1800×2000 2000×2500 2500×3000	2000×2500 2500×3000 3000×3000 3000×3500	2000×2500 2500×3000 3000×3000 3000×3500
工作台标配承重 Table standard load	T	5/10/20/40	20/40/60	20/40/60
工作台横向行程 (X)Table lateral travel (X)	mm	2000~4000	2000~4500	2000~5000
主轴箱垂直行程 (Y) Vertical travel of spindle box (Y)	mm	1800~3000	2000~3000	2000~3000
立柱纵向行程 (Z) Column longitudinal travel (Z)	mm	1500~2000	1500~2000	1500~2500
主轴轴向行程 (W) Spindle axial travel (W)	mm	700	900	1200
滑枕行程 (Z)Ram travel (Z)	mm	800	900	1200

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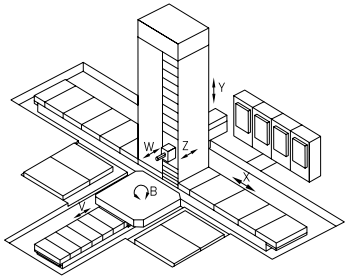
TK69 系列数控落地镗铣床

TK69 SERIES CNC FLOOR-TYPE BORING AND MILLING MACHINE



▶ 主要特点 MAIN FEATURES

- 方滑枕为四面全包形式
- 进口钢丝绳配重平衡先进独有的平衡方式
- 全封闭主轴箱
- 主轴与方滑枕同步进给具有高速 / 低噪音 / 高扭矩特点
- 高刚性床身多重支承
- 立柱双层加强筋设计
- 床身立柱导轨全面磨削
- 立柱导轨带有卸荷装置
- 自带多种补偿方式

- Square ram is fully wrapped on all four sides.
- Imported wire rope counterweight balancing advanced and unique b alancing method.
- Fully enclosed spindle box
- Synchronized spindle and ram feed with high speed/low noise/high torque.
- High rigidity bed with multiple supports
- Column double-layer reinforcement design
- Fully ground column guideways.
- Column guideways with unloading device.
- Multiple compensation methods

▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	Units	TK6913	TK6916	TK6920	TK6926
主轴直径 Spindle diameter	mm	Φ130	Φ160	Φ200	Φ260
主轴锥度 Spindle taper	ISO	BT50	BT50	BT60	BT60
主轴转速范围 Spindle speed range	rpm	2-2500	2-2000	2-2000	2-1500
铣轴端部直径 Diameter of milling shaft end	mm	Φ221.44	Φ260	Φ320	Φ400
滑枕截面尺寸 Cross-sectional dimensions of ram	mm	420×460	480×520 420×460	480×520	680×800
主电机功率 Main motor power	kw	30	58/45	75	110
立柱行程 (X)Column travel (X)	mm	4000+n×1000	6000+n×1000	6000+n×1000	8000+n×1000
主轴箱垂直行程 (Y) Vertical travel of spindle box (Y)	mm	2000-4000	3000-6000	3000-8000	4000-8000
主轴行程 (W)Spindle travel (W)	mm	700	1200/900	1200	1600
滑枕行程 (Z)Ram travel (Z)	kw	800	1200/900	1200	1600
主轴滑枕叠加行程 Spindle ram superimposed stroke	mm	1500	2400/1800	2400	3200
立柱移动速度 (X) Column travel speed (X)	mm/min	0.5~10000	0.5~8000	0.5~8000	0.5~6000
主轴箱垂直移动速度 (Y) Spindle box vertical travel speed (Y)	mm/min	0.5~10000	0.5~8000	0.5~8000	0.5~6000
主轴移动速度 (W) Spindle travel speed (W)	mm/min	0.5~6000	0.5~6000	0.5~6000	0.5~4500
滑枕移动速度 (Z)Ram travel speed (Z)	mm/min	0.5~6000	0.5~6000	0.5~6000	0.5~4500

工作台（滚滑复合结构）workbench (Rolling and sliding composite structure)		HT005	HT008	HT010	HT020
工作台尺寸 (宽 × 长) Table size (W×L)	mm	1400×1600 1600×1800 1800×2000	1400×1600 1600×1800 1800×2000	1600×1800 1800×2000 2000×2000	1800×2000 2000×2000 2000×2500
工作台最大承重 Maximum table load	kg	5000	8000	10000	20000
直线运动行程 Linear motion stroke	mm	1500	1500	1600	1600

工作台（闭式静压结构）workbench (closed hydrostatic structure)		HT028	HT040	HT060	HT080	HT0100
工作台尺寸 (宽 × 长) Table size (W×L)	mm	2000×2000 2000×2500 2500×3000 3000×3500	2500×3000 3000×3000 3000×3500 3000×4000	3000×4000 3500×4000 4000×4000 4000×4500	4000×4000 4000×4500 4000×5000 4500×5000	4500×4500 5000×5500 5000×6000 5500×6000
工作台最大承重 Maximum table load	kg	20000	40000	60000	80000	100000
直线运动行程 Linear motion stroke	mm	1600~2000	2000~3000	2000~3000	2000~4000	3000~5000

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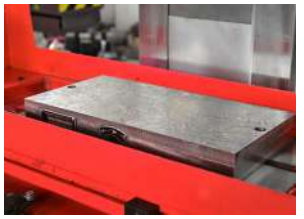
MYK820 MYK1022 MYK1224 MYK4080 MYK4100 数控磨床

CNC GRINDING MACHINE



▶ 主要特点 MAIN FEATURES

本数控磨床的特点在于实现三轴全自动化（纵向液压驱动），减轻了操劳作者的劳动强度，三轴实现全自动化，一个工人可以同时操作 3-5 台机床，大大减少了人工成本，尤其是批量加工时，效益更为显著；
工作台横向运动（前后）由伺服电机驱动，精密型滚珠丝杆，保证精度，精确定位，按照程序自动进给，可实现自动，且快进快退功能。工作台纵向（左右）运动，采用一 V 一平导轨，并经人工精密铲花，采用液压传动，运行平稳；

This CNC grinder is characterized by the realization of three-axis full automation (longitudinal hydraulic drive), which reduces the labor intensity of the laborious author. The three-axis realizes full automation. One worker can operate 3-5 machine tools at the same time, which greatly reduces labor costs. Especially in batch processing, the benefits are more significant;
The horizontal movement (front and back) of the worktable is driven by a servo motor, precision ball screw, to ensure accuracy, precise positioning, and automatic feeding according to the program, which can realize automatic and fast forward and fast rewind functions. The worktable moves longitudinally (left and right), adopts a V-flat guide rail, and is manually precision scraped, adopts hydraulic transmission, and runs smoothly;

▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS		Units	MYK820	MYK1022	MYK1224	MYK4080	MYK4100
工作台台面尺寸 Worktable size(L*W)		mm	480×200	540×250	600×300	800×400	1000×400
工作台最大行程 (长 × 宽) Max.travel of table (L*W)h		mm	530×220	560×260	650×320	900×500	1030×500
工作台 T 型槽 (槽数 × 槽宽) Table T slot(slot number x slot width)		mm	1×14	1×14	1×14	3×14	3×14
砂轮轴中心至工作台面距离 Distance spindle center line to working table		mm	450/300	450/300	520/350	600	600
专用砂轮（外径 × 宽 × 内径）Special grinding wheel (outer diameter×width×inner diameter)		mm	200×20×31.75	200×20×31.75	300×30×76.2	350×40×127	350×40×127
砂轮转速 Grinding wheel speed		r/min	2850	2850	1450	1450	1450
进给量 Feed rate	工作台纵向（左右）速度 Longitudinal (left and right) speed of worktable	m/min	3~25	3~25	3~25	3~25	3~25
	工作台横向（前后）速度 Transverse (front and rear) speed of worktable	m/min	0.5-15	0.5-15	0.5-15	0.5-15	0.5-15
	磨头上下自动进给量 Automatic feed rate of grinding head up and down	mm	0.005-0.05	0.005-0.05	0.005-0.05	0.005-0.05	0.005-0.05
	磨头上下快速升降速度（近似值）Rapid up and down speed of grinding head (approximate value)	m/min	0-6	0-6	0-6	0-6	0-6
电机功率 Motor Power	主轴电机 Spindle motor power	kw	1.5	1.5	2.2	4	4
	冷却电机 Cooling motor power	w	40	40	40	125	125
	升降电机 Lifting motor	kw	0.75	1	1	1	1
	油压马达 Hydraulic motor	kw	0.75	1	1	1	1
油压系统 Hydraulic system	液压马达	kw	1.5	1.5	2.2	2.2	2.2
	工作压力	MPa	3	3	4	4	4
	油箱容量	L	80	80	100	100	100
	最大流量	L/min	18	18	20	20	20
工作精度 Working accuracy	加工表面对基面的平行度 Parallelism of the machined surface to the base surface	mm	300:0.005	300:0.005	300:0.005	300:0.005	1000:0.015
	表面粗糙度 Surface roughness	μm	Ra0.32	Ra0.32	Ra0.32	Ra0.32	Ra0.32
净重 / 毛重 Net weight/Gross weight		kg	900/1000	1000/1150	1500/1600	3000/3200	3200/3400
吸盘规格（永磁）Suction cup specifications(permanent magnet)		mm	400×200	500×250	600×300	400×800	400×1000
外形尺寸（长 × 宽 × 高）Overall dimensions (length×width×height)		mm	1680×1140×1760	1680×1220×1720	2800×1600×1800	2350×2000×2100	2550×2000×2100
包装尺寸（长 × 宽 × 高） Packing size (L×W×H)		mm	1630×1170×1940	1630×1290×1940	2900×1700×2000	——	——

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VMK 系列·数控立式磨床

VMK SERIES CNC VERTICAL GRINDING MACHINES

▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	Units	VMK60	VMK80	VMK1000	VMK1250
X 轴行程 X-axis travel	mm	450	600	700	700
Z 轴行程 Z-axis travel	mm	600	800	850	850
最大回转直径 Maximum Swing Diameter	mm	700	950	1100	1250
最大车削直径 Max. turning diameter	mm	600	900	1000	1100
最大车削高度 Max. turning height	mm	600	800	850	850
主轴转速 Spindle speed	rpm	50-1000	50-1000	50-600	50-500
前轴承直径 Front bearing diameter	mm	ϕ130	ϕ200	中 200	ϕ200
主轴轴向跳动 Spindle axial runout	mm	0.003	0.003	0.003	0.003
主轴径向跳动 Spindle radial runout	mm	0.003	0.003	0.003	0.003
主轴输出额定扭矩 Rated torque of spindle output	N.M	400	450	700	700
主电机功率 Main motor power	Kw	15	18.5	22	22
卡盘形式 Chuck type		三爪液压自定心卡盘 Three-jaw hydraulic self-centering chuck			四爪手动卡盘 Four-jaw manual chuck
卡盘直径 Chuck Diameter	mm	ϕ400	ϕ630	ϕ630	ϕ800
磨削主轴功率 Grinding spindle power	Kw	30		37	
磨削主轴转速 Grinding spindle speed	rpm	12000	12000	10000	10000
磨削主轴规格 Grinding spindle specifications		HSK63	HSK63	HSK100	HSK100
X 向导轨 X-axis guides	mm	45	55	55	55
Z 向导轨 z-axis guides	mm	45	55	55	55
X 向丝杠 X-axis screw	mm	ϕ40	ϕ50	ϕ50	ϕ50
Z 向丝杠 z-axis screw	mm	ϕ40	ϕ50	ϕ50	ϕ50
冷却马达功率 Cooling motor power	Kw	0.45	0.75	0.75	0.75
液压马达功率 Hydraulic motor power	Kw	1.5	1.5	1.5	1.5
定位精度 position accuracy	mm	±0.005	±0.008	±0.008	±0.008
重复定位精度 Repeat Positioning Accuracy	mm	±0.003	±0.004	±0.005	±0.005
最小移动单位 Minimum movement unit	mm	0.001	0.001	0.001	0.001

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圆台卧轴平面磨床系列

CYLINDRICAL HORIZONTAL SURFACE GRINDER SERIES

▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	Units	MK600
X 轴 x-axis	mm	450mm
Z 轴 z-axis	mm	300mm
最大磨削直径 Maximum grinding diameter	mm	φ600mm
最大磨削高度 Maximum grinding height	mm	300mm
主轴轴速 Spindle speed	rpm	1000-2500rpm
主轴电机功率 Spindle motor power	KW	7.5KW
主轴轴径 Axis diameter of spindle	mm	140mm
重复定位精度 Repeat positioning accuracy	mm	±0.003mm
定位精度 Positioning accuracy	mm	±0.008mm
平面度 Platness	mm	±0.005mm
最小定位单位 Maximum grinding height	mm	0.001mm
回转电磁吸盘转台转速 Rotary electromagnetic chuck turntable speed	rpm	50-200
磨头砂轮尺寸 Grinding head wheel size	mm	D350×40×127
X/Z 轴驱动电机 X/Z axis drive motor	KW	22Nn/3KW
转台承重额定 Rotary table load rating	KG	300KG
转台电机功率 Rotary table motor power	KW	0.37KW
机床总重量 Total weight of the machine	KG	7000KG
占地面积 (长 × 宽 × 高)Floor space (L×W×H)	mm	2200×3000×2900mm

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BK5018 BK5030 BK5032 BK5035 BK5040
数控插床
CNC SLOTTING MACHINE

▶ 主要特点 MAIN FEATURES

插床用于插削平面、成型面及键槽等，并能插倾斜度在 10°范围内的模具等工作物，适用于单个或小批量生产的企业。
插床的工作台具有三种不同方向的进给 (纵向、横向和回转)

The slotting machine is used for slotting planes,forming surfaces and keyways,etc.,and can insert work objects such as molds with an inclination within 10° .It is suitable for single or small batch production enterprises.
The table of the slotting machine has three different directions of feed(longitudinal,horizontal and rotary)

▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	Units	BK5030	BK5035	BK5040
滑枕最大插削长度 Max.ram slotting length	mm	300	350	400
滑枕调节行程 Ram adjustment stroke	mm	260	300	435
滑枕运动次数 Ram moving frequency per minute	n/min	30--120	0-70	——
最大切削力 Maximum cutting force	N	5000	7500	——
工作台尺寸 Table size	mm	550 x 410	750 x 510	800*610
工作台行程 (X/Y)Table travel(X/Y)	mm	250 x 300	320 x 400	——
刀柄直径 Shank diameter	Mm	ϕ40	ϕ60	——
刀头支承孔轴线至立柱前臂的距离 The distance between the axis of the tool head supporting hole and the forearm of the column	mm	505	625	——
滑架底端至工作台面距离 Distance from bottom end of slide frame to work surface	mm	540（标准型 Standard）	680（标准型 Standard）	720
		690（加高型 increase height）	830（加高型 increase height）	
内置转台滑架底端至工作台面距离 Distance from bottom end of built-in turntable slide frame to work surface	mm	410（标准型 Standard）	560（标准型 Standard）	——
		560（加高型 increase height）	710（加高型 increase height）	
X 向电机扭矩 X axis motor torque	N.M	6（伺服 servo）	10	7.7
Y 向电机扭矩 Y axis motor torque	N.M	6（伺服 servo）	15	7.7
X 轴快速移动 X axis rapid traverse speed	m/min	5	5	5
Y 轴快速移动 Y axis rapid traverse speed	m/min	5	5	5
滚珠丝杠（X） Ball screw		FFZD3205-3/P4	FFZD4010-3/P4	——
滚珠丝杠（Y） Ball screw		FFZD3205-3/P4	FFZD4010-3/P4	——
主电机功率 Main motor power	KW	3.7（伺服 servo）	5.5	3.7
机床重量 Machine weight	Kg	2650/2800	4600/4750	4400
机床尺寸 Machine size	mm	2150*2100*2100	2550×2100×2500	2650*2200*2585
外形尺寸 (长 × 宽 × 高) Overall dimension	mm	2300*2300*2250	2700×2250×2700	-

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Y5125ACNC Y5132ACNC 数控插齿机

CNC GEAR SHAPER

▶ 主要特点 MAIN FEATURES

数控插齿机可以用来粗、精加工内外直齿圆柱齿轮、双联和多联齿轮、各类盘齿、轴齿等加工，特别适合于机床零部件、工程机械、矿山机械、汽车、拖拉机及航空等制造业的大批量生产使用，也可供制造业中单件或小批量的生产加工。如果在机床上装置专门的附件，也可以加工斜齿轮、齿条、扇形、凸轮等。

It is used for rough and fine machining of internal and external straight gear, double and multiple gear, all kinds of disk teeth, shaft teeth and other processing, especially suitable for mass production of machine tool parts, construction machinery, mining machinery, automobiles, tractors and aviation manufacturing, and can also be used for single or small batch production and processing in manufacturing. If special accessories are installed on the machine tool, it can also process helical gear, rack, fan, CAM, etc.

▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	Units	Y5125ACNC	Y5132ACNC
最大工件外齿直径 Maximum diameter of workpiece external teeth	mm	250	320
最大工件内齿直径 Maximum internal tooth diameter of the workpiece	mm	200+D 刀	220+D 刀
最大模数 Maximum modulus	mm	6	6
最大齿宽 Maximum tooth width	mm	80	80
插齿刀最大行程长度 Maximum travel length of gear shaper cutter	mm	90	90
插齿刀主轴最高冲程数 Maximum number of spindle strokes of gear shaper cutter	str/max	500(无级)	500(无级)
主轴直径 Spindle diameter	mm	80	80
插齿刀最大让刀量 Maximum letting amount of gear shaper cutter	mm	0.38	0.38
工作台面直径 Table diameter	mm	250	320
工作台孔径 Table aperture	mm	70	90
插齿刀行程位置调整量 Gear shaper tool stroke position adjustment amount	mm	50	50
插齿刀安装轴颈直径 Gear shaper mounting journal diameter	mm	20/31.743/44.45mm; 莫式 2#/ 莫式 3#	31.743
插齿刀轴心线至工作台轴心线距离 Distance from spindle line of gear shaper cutter to spindle line of table	mm	-100 ～ 230	-115 ～ 270
刀具安装端面至工作台面距离 Distance from tool mounting face to work surface	mm	100-240	100-215
机床总功率 Total machine power	KW	10	11.5
重量约 Approximate weight	KG	3000	4500/4700
机床尺寸 Machine size	mm	——	2270×1680×2150
包装尺寸 Package size	mm	——	2420×1780×2350

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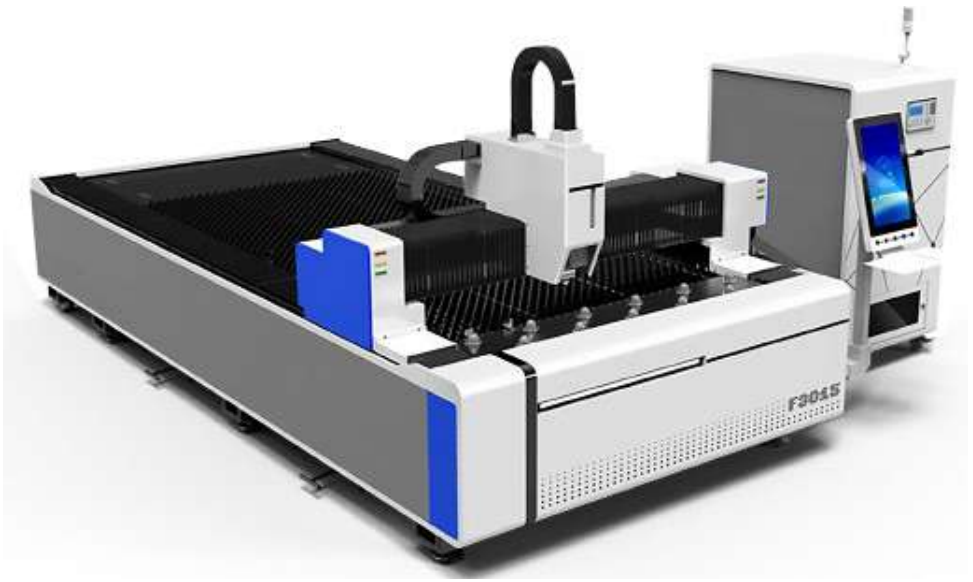
H1530 H4020 H6020 6025 8025 激光切割机

CUTTING MACHINE



1. 外包装 : 广告用激光切割机用标准出口胶合板箱
2. 内包装 : 拉伸膜和防潮塑料膜。
1.Outside package :Standard export plywood case for Laser cutting machine for advertising
2.Inner package:Stretch film and and plastic film for humidity.

▶ 主要特点 MAIN FEATURES

激光数控光纤激光切割机广泛应用于制造广告牌、招牌、广告等。标牌、金属字、LED 字、厨具、广告字、钣金加工、金属零部件、五金制品、机箱、货架、机柜加工、金属工艺品、金属工艺品、电梯面板切割、五金、汽车配件、眼镜架、电子配件、铭牌等

LASER CNC Fiber Laser Cutting Machines are widely used in manufacturing scutcheon,Metal Letters,LED Letters, Kitchen ware,Aaveiustng cecosi, t Meotal crafts.metal art ware,Compo-nents and Parts,Jlronware,Chassis,Racks & Cabinets Processing,Metal crafts, metal art ware,elevator panel cutting, hardware, auto parts, Glasses Frame,Electronic Parts,Nameplates, etc

▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	Units	H1530/H402Q/H6020/ 6025/8025
加工幅面 Processing area	kn	1500mm*3000mm /4000*2000mm/6000mm*2000mm/6000*2500mm /8000*2500mm
运行速度 Moving speed	Mpa	120m/min
最定位精度 Positioning Precession	mm	+0.03mm
重复定位精度 Repeat positioning precession	mm/s	+0.02mm
激光器功率 Laser Power		1000W/2000W/3000W/4000w /6000W/8000W
CAN BE CUSTOMIZED ACCORDING TO CUSTOMER REQUIREMENTS		

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FT1530 FT4020 FT 6020 板管一体激光切割机

SHEET&TUBE FIBER LASER CUTTING MACHINE

1. 外包装 : 广告用激光切割机用标准出口胶合板箱
2. 内包装 : 拉伸膜和防潮塑料膜。
1.Outside package :Standard export plywood case for Laser cutting machine for advertising
2.Inner package:Stretch film and and plastic film for humidity.

▶ 主要特点 MAIN FEATURES

激光数控光纤激光切割机广泛应用于制造广告牌、招牌、广告等。标牌、金属字、LED 字、厨具、广告字、钣金加工、金属零部件、五金制品、机箱、货架、机柜加工、金属工艺品、金属工艺品、电梯面板切割、五金、汽车配件、眼镜架、电子配件、铭牌等

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▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	Units	H1530/H402Q/H6020/ 6025/8025
加工幅面 Processing area	kn	1500mm*3000mm /4000*2000mm/6000mm*2000mm/6000*2500mm /8000*2500mm
运行速度 Moving speed	Mpa	120m/min
定位精度 Positioning precession	mm	+0.03mm
重复定位精度 Repeat positioning precession	mm/s	+0.02mm
激光器功率 Laser Power		1000W/2000W/3000W/4000w /6000W/8000W
CAN BE CUSTOMIZED ACCORDING TO CUSTOMER REQUIREMENTS		

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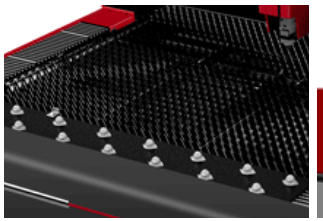
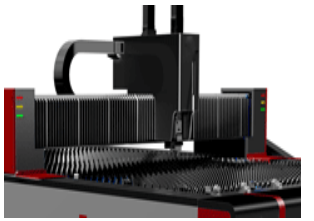
E3015 E4020 E6020 E6025 开放式激光切割机

MIDDLE SHEET FIBER LASER CUTTING MACHINE





1. 龙门钢框架结构
2. 采用液压滑枕 , 具有手动和脚踏功能
3. YM 液压机用于组装、拆卸、对中、冲压、绘图、校直、冲孔。
1. Gateway steel frame structure
2. Adopts the hydraulic ram with manual and foot-operated functions
3. YM hydraulic press is used for assembly, disassembly, centering, stamping, drawing, straightening and punching.

▶ 主要特点 MAIN FEATURES

激光数控光纤激光切割机广泛应用于制造广告牌、招牌、广告等。标牌、金属字、LED 字、厨具、广告字、钣金加工、金属零部件、五金制品、机箱、货架、机柜加工、金属工艺品、金属工艺品、电梯面板切割、五金、汽车配件、眼镜架、电子配件、铭牌等

LASER CNC Fiber Laser Cutting Machines are widely used in manufacturing scutcheon,Metal Letters,LED Letters, Kitchen ware,Aaveiustng cecosi, t Meotal crafts.metal art ware,Compo-nents and Parts,Jlronware,Chassis,Racks & Cabinets Processing,Metal crafts, metal art ware,elevator panel cutting, hardware, auto parts, Glasses Frame,Electronic Parts,Nameplates, etc

▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	Units	H1530/H402Q/H6020/ 6025/8025
加工幅面 Processing area	kn	1500mm*3000mm /4000*2000mm/6000mm*2000mm/6000*2500mm
运行速度 Moving speed	Mpa	140m/min
最大加速度 Maximum acceleration	G	41.4
最定位精度 Positioning Precession	mm	+0.03mm
重复定位精度 Repeat positioning Precession	mm/s	+0.02mm
激光器功率 Laser Power		1000W/2000W/3000W/4000W/6000w
CAN BE CUSTOMIZED ACCORDING TO CUSTOMER REQUIREMENTS		

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QC12K 系列液压摆式（数控） 剪板机

SERIES HYDRAULIC SWING BEAM (CNC) SHEARING MACHINE

▶ 主要特点 MAIN FEATURES

- 采用钢板焊接结构，液压传动，蓄能器回程，操作方便，性能可靠，外形美观；装配数码显示系统；
- 刃口间隙调整有指示牌指示，调整轻便迅速；
- 设有灯光对线装置、剪切行程控制装置，调节方便快捷；
- 滚动托料球，减少板料划伤，减少摩擦阻力；
- 具有后挡料位置数码位置数码显示、软限位、单向定位间隙提示、剪切自动计数功能；
- 后挡料装有编码器，配合数码显示系统，使得后挡料位置显示更准确，从而进一步提高了本机的剪切精度。

- Sheet plate welded structure is adopted, with hydraulic transmission and accumulator retum, typical of an easy operation, reliable performance, and nice appearance, fitted with digital display system.
- Indication by indicator is provided for adjustment of blade clearance,for a handy and prompt adjustment.
- Alignment device with lighting and control device for shearing stroke areset, with a handy and prompt adjustment.
- Rolling material support ball is provided,to minimize fish tall with sheet bar and to reduce frictional resistance.
- The machine tool is provided with the functions of digital display,softlimit, as well as prompt for one-way positioning clearance, and automatic countiong for shearing.
- The rear stopper is fitted with coder and digital display system, so thatthe position of rear stopper is displayed more accurately,thus to furtherenhance the shearing precision of this machine.

▶ 主要参数 PRODUCT PARAMETERS

型号 Type	可剪板厚 Cutting thickness	可剪板宽 Cutting width	剪切角 Cutting angle	行程次数 Travel times	后挡料调节范围 Stopper adjust range	主电机功率 Power	外形尺寸 Dimension
	(mm)	(mm)	(°)	(Min-1)	(mm)	(KW)	LxWxH (mm)
4×2500	4	2500	1.5°	14	20~500	4	3200×1650×1620
4×3200	4	3200	1.5°	10	20~500	5.5	3900×1650×1620
4×4000	4	4000	1.5o	8	20~500	5.5	4700×1900×1800
4×5000	4	5000	1.5°	6	20~800	7.5	5700×2100×2200
4×6000	4	6000	1.5°	5	20~750	7.5	6460×2100×2200
6×2500	6	2500	1.5°	12	20~500	7.5	3200×1650×1620
6×3200	6	3200	1.5°	10	20~500	7.5	3900×1650×1620
6×4000	6	4000	1.5°	8	20~500	7.5	4700×1850×1700
6×6000	6	6000	1.5°	5	20~800	11	6700×2200×2200
8×2500	8	2500	1.5°	8	20~500	7.5	3200×1650×1620
8×3200	8	3200	1.5°	7	20~500	7.5	4000×1650×1620
8×4000	8	4000	1.5°	6	20~500	7.5	4800×1800×1700
8×6000	8	6000	1.5°	5	20~800	11	5700×2250×2310
10×2500	10	2500	1.5°	8	20~500	11	3200×1800×1700
10×3200	10	3200	1.5°	7	20~500	11	3900×1950×1900
10×4000	10	4000	1.5°	6	20~800	18.5	4700×2200×2100
10×6000	10	6000	1.5°	5	20~800	18.5	6700×2500×2450
12×2500	12	2500	2°	8	20~600	18.5	3200×2127×2235
12×3200	12	3200	2°	6	20~600	18.5	3900×2127×2235
12×4000	12	4000	2°	5	20~800	18.5	4700×2250×2100
12×6000	12	6000	2°	5	20~800	30	6700×2700×2750
12×8000	12	8000	2°	5	20~800	37	9100×3400×2900
16×2500	16	2500	2.5°	7	20~600	18.5	3200×2400×2100
16×3200	16	3200	2.5°	6	20~600	18.5	4000×2400×2100
16×4000	16	4000	2.5°	5	20~800	30	4700×2500×2300
16×6000	16	6000	2.5°	5	20~800	37	6700×3300×2750
20×2500	20	2500	2.5°	6	20~800	30	3200×2100×2600
20×3200	20	3200	2.5°	5	20~800	30	3900×2350×2750
20×4000	20	4000	2.5°	4	20~800	30	4800×2400×2750
20×6000	20	6000	2.5°	4	20~800	37	6700×3200×2860
25×2500	25	2500	3°	5	20~800	37	3500×2400×2500
25×3200	25	3200	3°	4	20~800	37	4000×2400×2500
25×4000	25	4000	3°	3	20~800	37	4800×2400×2800
25×6000	25	6000	2.5°	2	20~800	37	6700×3400×2860

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QC11C 系列液压闸式（数控）剪板机

SERIES HYDRAULIC GUILLOTINE (CNC) SHEARING MACHINE

▶ 主要特点 MAIN FEATURES

- 本机器采用钢板焊接结构，机身采用有限元分析设计、振动时效消除内应力，使机身稳定、可靠。
- 采用三点支撑滚动导轮，消除支撑间隙，提高剪切精度。
- 刀架剪切角能在一定的范围内调整，可使剪切材料变形量减小到理想状态，又可剪切超厚板料。
- 剪切行程任意调整，提高工作效率，又可实现分段剪切功能。
- 后挡料设计了手动抬升功能，便于超长板料剪切。
- 墙板内侧设有手动加油泵，操作方便，保证关键部位的润滑。
- 插装式液压系统，减缓油温提升，增强机床运行的可靠性和安全性。

- This type machine is installed CNC controllers,which can meet customers'requirements for the design of high precision processing.
- Using three-point rolling guide pulley can eliminate the supportgap, and increase cutting precision.
- Shearing angle can be adjusted within a certain range,which can reduce the shearing deformation of sheet metal and can shear much thicker sheet metal.
- The shearing stroke can be adjusted at will,which raise the working efficiency and realize the function of partition cutting.
- The backgauge is designed manual lifting function,which is convenient to shear long sheet metal.
- Inside the wallboard manual petrol pump is installed,which makes operating convenient and lubricating reliable.
- Plug in hydraulic system can make oil temperature become high slowly,meanwhile it enhance the reliability and safety operation of machine.

▶ 主要参数 PRODUCT PARAMETERS

型号 Type	可剪板厚 Cutting thickness	可剪板宽 Cutting width	行程次数 Travel times	后挡料调节范围 Stopper adjust range	剪切角 Cutting angle	喉口深度 Throat depth	主电机功率 Power	外形尺寸 Dimension
	(mm)	(mm)	(次 /min)	(mm)	(°)	(mm)	(kw)	LxWxH (mm)
4x2500	4	2500	25~45	600	0.5~1.5	100	5.5	3000x2000x1850
6x2500	6	2500	20~45	600	0.5~1.5	125	7.5	3030x2075x1920
6x3200	6	3200	16~45	600	0.5~1.5	125	7.5	3730x2075x1970
6x4000	6	4000	14~45	600	0.5~1.5	125	7.5	4530x2075x1970
6x5000	6	5000	11~40	800	0.5~1.5	125	7.5	5530×2075×2210
6x6000	6	6000	9~36	800	0.5~1.5	125	11	6530x2075x2830
7x7000	7	7000	7~28	800	0.5~1.5	125	11	7530×2075×2830
8x2500	8	2500	20~45	600	0.5~1.5	125	11	3040x2075x1920
8x3200	8	3200	16~45	600	0.5~1.5	125	11	3740x2075×1920
12x2500	12	2500	12~35	800	0.5~2	125	15	3110x2575×2210
12x3200	12	3200	7~35	800	0.5~2	125	15	3810×2575×2420
12x4000	12	4000	8~35	800	0.5~2	125	15	4610×2575×2530
16x2500	16	2500	16~40	800	0.5~2.5	125	22	3130×2655×2200
16x4000	16	4000	12~40	800	0.5~2.5	125	22	4630x2655x2570
20x2500	20	2500	16~40	800	0.5~2.5	125	30	3160×2855×2720
20x4000	20	4000	12~40	800	0.5~2.5	125	30	4660×2855×2720
25x2500	25	2500	8~15	800	0.5~3.5	120	37	3330×2000x2650
25x3200	25	3200	8~15	800	0.5~3.5	120	27	3970×2100×2865
25x4000	25	4000	6~12	1000	0.5~3.5	120	27	4780x2500×3150
32x2500	32	2500	6~12	1000	0.5~3.5	120	45	4100x2300x3200
32x3200	32	3200	8~12	1000	0.5~3.5	120	55	1900x2650×3450
40x2500	40	2500	4~10	1000	0.5~3.5	120	75	4100×2550×3500
40x3200	40	3200	4~10	1000	0.5~3.5	120	75	4900x2900×3750

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扭轴伺服数控折弯机

HYDRAULIC TORSION SERVO CNC PRESS BRAKE

● 主要特点 MAIN FEATURES

- 主机配置折弯机专用数控系统；
- 多工步编程功能，能够实现多步程序自动运行、连续定位，实现后挡料及滑块位置自动精确调节；
- 折弯计数功能，实时显示加工数量，断电记忆后挡料滑块位置、程序及参数；
- 后挡料采用进口滚珠丝杆和直线导轨，确保了后挡料的定位精度，机器加工精度更高。

- Special numeric-control system is fitted with mainframe of the bending
- Multi-work-step programming function is able to achieve an automatic coperation and contnuous positioning of multi-step procedures, as well as anautomatic precision adjustment for positions of rear stopper and gliding block.
- The machine is provided with bend counting function,for a real-time display of processing quantity and power-failure memory of positions of stopper and gliding block, as well as procedures and parameters.
- Imported ball bearing lead screw and linear guide rail are used for rearstopper, to ensure the positioning precision of rear stopper, for processing precision of machine to be higher.

● 主要参数 product parameters

型号 Type	公称压力 Nominal force	工作台长度 Worktable length	立柱间距 Poles distance	喉口深度 Throat depth	滑块行程 Stroke	最大开启高度 Max open	主电机功率 Power	外形尺寸 Dimension
	(KN)	(mm)	(mm)	(mm)	(mm)	(mm)	(KW)	LxWxH (mm)
40T/2200	400	2200	1680	200	100	320	5.5	2300×1100×1900
40T/2500	400	2500	1880	200	100	320	5.5	2600×1100×1900
50T/2200	500	2200	1680	200	100	320	5.5	2300×1150×1940
50T/2500	500	2500	1880	200	100	320	5.5	2600×1150×1940
63T/2500	630	2500	1880	250	120	340	5.5	2600×1600×2300
63T/3200	630	3200	2550	250	120	340	5.5	3300×1600×2300
80T/3200	800	3200	2550	320	200	360	7.5	3300×1700×2300
80T/4000	800	4000	3150	320	200	360	7.5	4100×1700×2300
100T/3200	1000	3200	2550	320	200	380	7.5	3300×1800×2400
100T/4000	1000	4000	3150	320	200	380	7.5	4100×1800×2400
160T/3200	1600	3200	2550	320	200	450	11	3300×1600×2600
160T/4000	1600	4000	3150	320	200	450	11	4100×2000×2600
160T/6000	1600	6000	5000	320	250	450	11	6100×2000×3200
200T/3200	2000	3200	2550	320	250	500	11	3300×2100×2800
200T/4000	2000	4000	3100	320	250	500	11	4100×2100×2900
200T/5000	2000	5000	4000	320	250	500	11	5100×2100×3000
250T/4000	2500	4000	3100	350	250	570	18.5	4100×2200×3500
250T/5000	2500	5000	4000	350	250	570	18.5	5100×2200×3500
250T/6000	2500	6000	4800	350	250	570	18.5	6100×2200×3500
300T/5000	3000	5000	4000	400	250	570	22	5100×2600×4000
300T/6000	3000	6000	5000	400	250	570	22	6100×2600×4200
300T/7000	3000	7000	5620	400	300	570	22	7100×2600×4400
320T/7000	3200	7000	5620	400	320	570	22	7100×2600×4400
350T/6000	3500	6000	5100	450	320	570	30	6100×2600×4200
350T/7000	3500	7000	5620	450	320	570	30	7100×2500×4500
400T/4000	4000	4000	3100	350	320	620	30	4100×2700×3800
400T/6000	4000	6000	4820	400	320	620	30	6100×2800×4200
400T/6500	4000	6500	5100	400	320	620	30	6600×2800×4300
500T/5000	5000	5000	4100	400	320	620	37	5100×3000×4400
500T/6000	5000	6000	4820	400		620	37	6100×3000×4700
500T/7000	5000	7000	5620	400		620	37	7100×3000×4900
600T/6000	6000	6000	4820	400		620	45	6100×2965×4900
600T/7000	6000	7000	5620	400		620	45	7100×2965×4700

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电液伺服数控折弯机

ELECTRO-HYDRAULIC SERVO NC PRESS BRAKE

▶ 主要特点 MAIN FEATURES

- 1. 机身采用整体焊接及整体加工结构；
- 2. 采用了德国进口电液伺服阀及进口光栅尺构成的闭环控制方式；
- 3. 液压系统均采用德国进口的集成式控制系统；
- 4. 机身 C 型板上安装高精度光栅尺；
- 5. 工作台具有液压挠度自动补偿机构；
- 6. 数控系统采用意大利 ESA、荷兰 DELEM 或瑞士 CYBELEC 公司的电液伺服折弯机专用数控系统。

- The fuselage adopts integral welding and integral processing structure;
- It adopts the closed-loop control method composed of German imported electro-hydraulic servo valve and imported grating ruler;
- The hydraulic system adopts the integrated control system imported from Germany;
- High-precision grating ruler is installed on the C-type plate of the fuselage;
- The worktable has a hydraulic deflection automatic compensation mechanism;
- The numerical control system adopts the special numerical control system for electro-hydraulic servo bending machine from Italian ESA, Netherlands DELEM or Swiss CYBELEC company.

▶ 主要参数 PRODUCT PARAMETERS

型号 Type			63×2500	100×3200	100×4000	160×3200	160×4000	250×3200	250×4000	300×3000	300×4000	300×5000	400×4000	400×5000	400×6000
公称力 Pressing force		KN	630	1000	1000	1600	1600	2500	2500	3000	3000	3000	4000	4000	4000
最大折弯长度 Max Working length		mrm	2500	3200	4000	3200	4000	3200	4000	3000	4000	5000	4000	5000	6000
立柱间距离 Distance between uprights		mm	2050	2600	S100	2600	3100	2600	3100	2600	3100	4000	3100	4000	5000
最大开启高度 Max.shut height		mm	450	500	500	500	500	520	520	520	520	520	570	570	570
滑块行程 Stroke		mm	150	200	200	200	200	200	200	200	200	200	300	300	300
喉口深度 Throat depth		mm	300	400	400	400	400	400	400	400	400	400	500	500	500
工作台宽度 Table width		mm	100	100	100	200	200	240	240	260	260	260	300	300	300
快进速度 Apprach speed		mm/s	100	100	100	100	100	100	100	80	80	80	80	80	80
工进速度 Working speed		mm/s	10	10	10	10	10	10	10	8	8	8	8	8	8
返程速度 Return speed		mm/s	80	80	80	100	100	100	100	85	85	85	80	80	80
后挡料行程 Back gauge stroke		mm	500	500	500	500	500	800	800	800	800	800	800	800	800
机床外形尺寸 Outline demension	长 Length	mm	2825	3500	4500	3500	4500	3500	4500	3300	4300	5300	4300	5300	6400
	宽 Width	mm	1650	1650	1650	1650	1650	1730	1730	1950	1950	1950	2100	2100	2100
	高 Height	mm	2430	2540	2540	2580	2580	2580	2580	2670	2670	2620	3100	3100	3170

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CZ 系列 普通车床

CZ SERISE CONVENTIONAL LATHE

▶ 主要特点 MAIN FEATURES

本系列车床是通用金属切削机床，适用于车削内外圆柱面，圆锥面及其它旋转面，车削各种公制和英制和模数和径节螺纹，并能进行钻孔和拉油槽等工作，本系列机床适宜加工铸铁，钢及各种有色金属等材料。

CW series lathe machine is universal metal machining equipment for metal processing, mainly used for turning the internal and external cylindrical surface,conical surface and other rotating surfaces,and turning internal and external pipe threads such as metric,inch, module, DP threads etc., meanwhile this series is also used to drill holes in bar material and make oil groove,this series lathe is able to process metal materials including cast iron, steel and non-ferrous metals.

▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	Units	CZ1224G	CZ1237G	CZ1324G	CZ1337G	CZ1340G	CZ1440G
床身上最大回转直径 Max Swing diameter over bed	mm	305	305	330	330	330	355
横滑板上最大回转直径 MaxSwing diameter over cross slide	mm	173	173	195	215	195	220
马鞍上最大回转直径 Max Swing diameter over gap	mm	440	440	465	485	476	550
两顶尖之间的距离 Distance between centers	mm	530	940	530	940	1000	1000
主轴孔径 Spindle bore diameter	mm	38	38	38	38	38	38
主轴孔径锥度 Spindle bore taper		MT5	MT5	MT5	MT5	MT5	MT5
主轴转速级数 Spindle speed steps	steps	9	9	9	8	8	8
主轴转速范围 Spindle speed range	rpm	64-1500	64-1500	64-1500	64-1500	70~2000	70~2000
中拖板行程 Cross slide travel	mm	150	150	150	150	170	170
小刀架行程 Top tool post travel	mm	85	85	85	85	74	74
公制螺纹种数 Kinds of metric threads	kinds	11	11	11	11	23	23
公制螺纹范围 Range of metric threads	mm	0.5-3.5	0.5-3.5	0.5-3.5	0.5-3.5	0.25-11	0.25-11
英制螺纹种数 Kinds of inch threads	kinds	14	14	14	14	40	40
英制螺纹范围 Range of inch threads	T.P.I.	7½-48	7½-48	7½-48	7½-48	4~112T.PI	4~112T.P.I
尾座套筒直径 Tailstock quill diameter	mm	32	32	32	32	32	32
尾座套筒锥孔 Tailstock quill taper		MT3	MT3	MT3	MT3	MT3	MT3
尾架套筒行程 Tailstock quill travel	mm	95	95	95	95	95	95
主电机功率 Main motor power	kw	1.1	1.1	1.1	1.1	1.5	1.5
冷却电机功率 Coolant motor power	kw	0.04	0.04	0.04	0.04	0.04	0.04
机床重量 Machine weight	kg	495	515	505	525	555	560
外形尺寸 (长 X 宽 X 高) Overall dimension(W*H*L)	mm	1420*750*1460	1780*750*1460	1420*750*1460	1920*750*1460	1920*760*1460	1920*760*1460

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C6132/C6232 C6136/C6236 C6140/C6240 C6150/C6250 C6160/C6260 普通车床

CONVENTIONAL LATHE

▶ 主要特点 MAIN FEATURES

本系列车床是通用金属切削机床，适用于车削内外圆柱面，圆锥面及其它旋转面，车削各种公制和英制和模数和径节螺纹，并能进行钻孔和拉油槽等工作，本系列机床适宜加工铸铁，钢及各种有色金属等材料。

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▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS		Units	C6132 C6232	C6136 C6236	C6140 C6240	C6150 C6250	C6160 C6260
床身上最大回转直径 swing over bed		mm	320			800	
拖板上最大回转直径 Swimg over carriage		mm	150	800			1000
马鞍内最大回转直径 Swing over gap		mm	- 480			550(C:480)	
最大工件长度 Max.Length of workpiece		mm	750/1000/1500/2000/3000				
主轴孔径 Spindle bore		—	52(选配 Opt.80)				
主轴内孔锥度 Spindle taper		—	MT6(选配 Opt. 公制 Metric 1:20)				
主轴转速范围 Spindle speed range		—	40-1400	40-1400	40-1400	40-1400	40-1400
主轴转速级数 Step of spindle speed		rpm	9	9	9	9	9
中拖板行程 Cross slide travel		mm	160	180	200	250	300
小刀架行程 Top tool post travel		mm	95	95	95	95	95
刀具尺寸 Tool size		mm	20*20				
纵向进给量范围 Longitudinal feeds range		mm/r	0.0832-4.6569				
横向进给量范围 Cross feeds range		mm/r	0.048-2.688				
公制螺纹种数 Kinds of metric threads		mm	19				
公制螺纹范围 Range of metric threads		mm	0.25-14				
英制螺纹种数 Kinds ofinch threads		D.P.	28				
英制螺纹范围 Range of inch threads		mm	2-40				
模数螺纹种数 Kinds of threads module			17				
模数螺纹范围 Range of threads module		mm	0.25-3.5				
尾座套筒直径 Tailstock quilldiameter		kW	65				
尾座套筒锥孔 Tailstock quilltaper		kW	MT4				
尾架套筒行程 Tailstock quilltravel			130				
主电机功率 Main motor power			4			5.5	
冷却泵电机 Coolant pump motor		kW	0.09				
机床重量 Machine weight		kg	1100	1200	1220	1250	1300
		kg	1200	1300	1320	1350	1400
		kg	1400	1500	1520	1550	1600
		kg	1600	1700	1720	1750	1800
		kg	1800	1900	1920	1950	2000
外形尺寸 (长 × 宽 × 高) Overall dimension (W*H*L)		mm	2200*1140*1500	2200*1140*1500	2200*1140*1550	2200*1140*1650	2200*1140*1750
		mm	2400*1140*1500	2400*1140*1500	2400*1140*1550	2400*1140*1650	2400*1140*1750
		mm	2900*1140*1500	2900*1140*1500	2900*1140*1550	2900*1140*1650	2900*1140*1750
		mm	3400*1140*1500	3400*1140*1500	3400*1140*1550	3400*1140*1650	3400*1140*1750
		mm	4400*1140*1500	4400*1140*1500	4400*1140*1550	4400*1140*1650	4400*1140*1750

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CA 系列车床

CA SERIES CONVENTIONAL LATHE

▶ 主要特点 MAIN FEATURES

1. 本系列车床适用于车削内外圆柱面，圆锥面及其它旋转面，车削各种公制、英制、模数和径节螺纹，并能进行钻孔和拉油槽等工作。
2. 床身导轨宽度 400mm，具有较高的刚度，导轨面经高频淬火，经久耐磨。
3. 机床操作灵便集中，溜板设有快移机构。采用单手柄形象化操作，宜人性好。
4. 机床结构刚度与传动刚度均高于一般车床，功率利用率高，适于强力切削。

1. This series lathe machine is suitable for internal and external turning,tapering,and other rotating faces, metric, moduleand inch threads,as well as drilling and pull oil slot.
2. The lathe bed is 400mm,with high hardness on guideway,the guideway is through
3. This machine is easy to operate,with rapid device for carriage,design with single hand wheel to operate.
high-frequency quenching, wear-resisting.
4. The strength and rigidity of machine is higher than normal lathe machine,high efficiency,suitable for heavy duty machining

▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	Units	CA6140/ CA6140B CA6240 CA6240B	CA6150 CA6150B CA6150C CA6250 CA6250B CA6250C	CA6161 CA6161B CA6161C CA6261 CA6261B CA6261C	CA6166 CA6166B CA6166C CA6266 CA6266B CA6266C	CA6180 CA6180B CA6180C CA6280 CA6280B CA6280C
床身上最大回转直径 swing over bed	ϕmm	400mm	500mm	610mm	660mm	800mm
拖板上最大回转直径 Max. swing over cross slide	ϕmm	210mm	300mm	370mm	400mm	540mm
马鞍内最大回转直径 MAX.Swing in gap(CA62 series)	mm	630mm	720mm	830mm	880mm	1020mm
最大工件长度 Max.Length of workpiece	mm	750/1000/1500/2000/2200/3000/4000mm				
床身宽度 Bed width	mm	400				
刀杆截面 Section of turning tool	mm	25*25				
主电机 Main spindle motor	kw	7.5kw(10HP)				
主轴转速 Spindle speed	rpm	16--1400rpm(24step)				
主轴内孔直径 Spindle bore	mm	52mm (B:80mm),(C:105mm)				
主轴锥度 Spindle taper		No.6(MT6)(Φ90 1:20)[Φ113 1:20]				
进给数量 NO. of feed		(64 kinds)(for each)				
公制螺纹 Range of metric threads	mm	(1-192mm) (44 kinds)				
英制螺纹 Range of inch threads		(2-24tpi) (21kinds)				
模数螺纹 Range of module threads		0.25-48 (module 39 kinds)				
径节螺纹 Range of diametral pitch threads		1-96DP (37 kinds)				
最大行程 Max. tailstock spindle travel	mm	150mm				
尾座主轴直径 Tailstock spindle diameter	mm	75mm				
尾座主轴孔锥度 Taper of tailstock spindle centre hole		NO.5(MT5)				
外形尺寸为 750mm Overall dimensions for 750mm	mm	2550×1140×1750mm				
外形尺寸为 1000mm Overall dimensions for 1000mm		2700×1140×1750mm				
外形尺寸为 1500mm Overall dimensions for 1500mm		3200×1140×1750mm				
外形尺寸为 2000mm Overall dimensions for 2000mm		3700×1140×1750mm				
外形尺寸为 2200mm Overall dimensions for 2200mm		4030×1140×1750mm				
外形尺寸为 3000mm Overall dimensions for 3000mm		4850×1140×1750mm				
外形尺寸为 4000mm Overall dimensions for 4000mm		5800×1140×1750mm				
750 重量 Weight for 750	kg	2100 /1990	2170/2060	2300/2180	2380/2260	2520/2400
1000 重量 Weight for 1000		2190/2070	2260/2140	2380/2250	2570/2450	2720/2560
1500 重量 Weight for 1500		2350/2220	2450/2290	2577/2437	2810/2640	2980/2800
2000 重量 Weight for 2000		2720/2570	2800/2640	2940/2787	3050/2880	3260/3087
2200 重量 Weight for 2200		2800/2600	3940/2790	3120/2970	3390/3180	3490/3287
3000 重量 Weight for 3000		3300/3200	3450/3300	3600/3450	3930/3687	4200/3887
4000 重量 Weight for 4000		3500/3400	3750/3600	3950/3800	4580/4200	4850/4500

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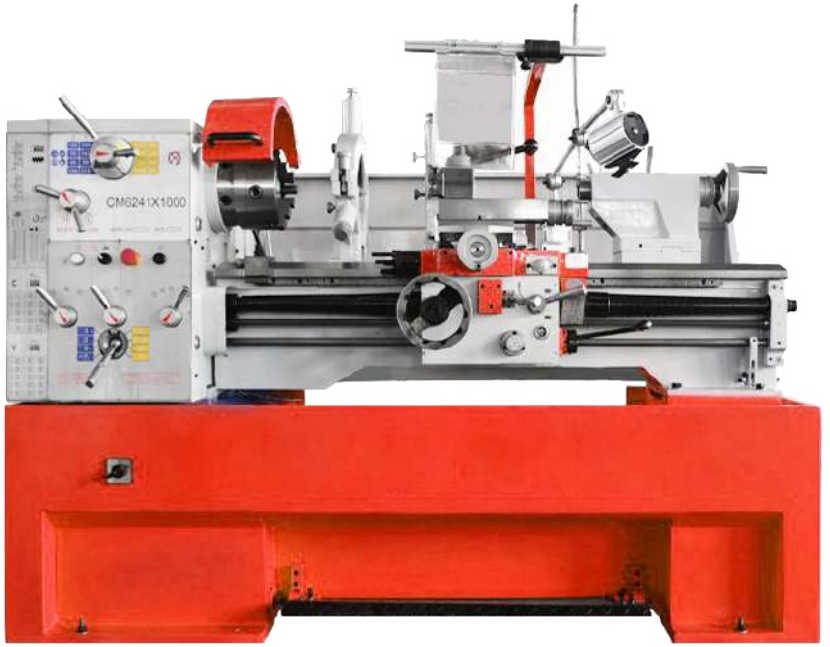
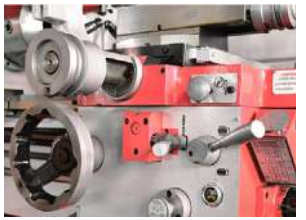
CM6241 CM6241V 普通车床

CONVENTIONAL LATHE





▶ 主要特点 MAIN FEATURES

本系列车床是通用金属切削机床，适用于车削内外圆柱面，圆锥面及其它旋转面，车削各种公制和英制和模数和径节螺纹，并能进行钻孔和拉油槽等工作，本系列机床适宜加工铸铁，钢及各种有色金属等材料。

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▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	Units	CM6140	CM6241V
床身上最大回转直径 Swing over bed	mm	410(16")	410(16")
横滑板上最大回转直径 Swing over cross slide	mm	255(10")	255(10")
马鞍上最大回转直径 Swing over gap	mm	580(23")	580(23")
马鞍长度 Gaplength	mm	190(7-1/2")	190(7-1/2")
最大工件长度 Distance between centers	mm	1000(40")/1500(60")	1000(40")/1500(60")
主轴中心高 Center height	mm	205(8")	205(8")
床身宽度 Bed width	mm	250(10")	250(10")
主轴端部形式 Spindle nose type	-	D1-6	D1-6
主轴孔径 Spindle bore	mm	52(2")	52(2")
主轴孔径锥度 Spindle bore taper	-	MT6	MT6
主轴转速范围 Spindle speed range	rpm	45-1800	L:30-550 H:550-3000
主轴转速级数 Spindle speed steps	-	16	无级变速 Stepless
小刀架行程 Top tool post travel	mm	140(5-1/2")	140(5-1/2")
中拖板行程 Cross slide travel	mm	210(8-1/4")	210(8-1/4")
刀具尺寸 Tool size	mm	20*20(13/16")	20*20(13/16")
大丝杠螺距 Lead screw threads	T.PL.	4	4
纵向进给 Longitudinal feeds range	mm/r	0.05-1.7(0.002"-0.067")	0.05-1.7(0.002"-0.067"/rev)
横向进给 Cross feeds range	mm/r	0.025-0.85(0.001"-0.0335")	0.025-0.85(0.001"-0.0335"/rev)
公制螺纹种数 Kinds of metric threads	kinds	39	39
公制螺纹范围 Range of metric threads	mm	0.2-14	0.2-14
英制螺纹种数 Kinds ofinch threads	kinds	45	45
英制螺纹范围 Range of inch threads	TP.I	2-72	2-72
径节螺纹种数 Kinds of metric threads	kinds	21	21
径节螺纹范围 Range of metric threads	D.P.	8-44	8-44
模数螺纹种数 Kinds of threads module	kinds	18	18
模数螺纹范围 Range of threads module	M.P.	0.3-3.5	0.3-3.5
尾座套筒直径 Tailstock quilldiameter	mm	50(2")	50(2")
尾架套筒行程 Tailstock quilltravel	mm	120(4-3/4")	120(4-3/4")
尾座套筒锥孔 Tailstock quilltaper	-	MT4	MT4
横向调整 Cross adjustment	mm	±13(±1/2")	±13(±1/2")
主电机功率 Main motor power	kW	2.2/3.3(3/4.5HP)	2.2/3.3(3/4.5HP)
冷却泵电机 Coolant pump motor	kW	0.1(1/8HP)	0.1(1/8HP)
机床重量 Machine weight	kg	1350	1350
	kg	1565	1565
外形尺寸 (长 × 宽 × 高) Overalldimension(W*H*L)	mm	2060*900*1640	2060*900*1640
	mm	2560*900*1640	2560*900*1640

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C6241/C6250 C6246/C6256
C6246E/6256E 普通车床

CONVENTIONAL LATHE

▶ 主要特点 MAIN FEATURES

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▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	Units	C6241	C6246	C6246E	C6251	C6256	C6256E
床身上最大回转直径 Swing over bed	mm	410(16")	460(18")	460(18")	510(20")	560(22")	560(22")
横滑板上最大回转直径 Swing over cross slide	mm	220(8-13/16")	270(10-3/4")	270(10-3/4")	305(12")	355(14")	355(14")
马鞍上最大回转直径 Swing over gap	mm	640(25-1/8")	690(27-1/8")	690(27-1/8")	735(28-7/8")	785(30-7/8")	785(30-7/8")
马鞍长度 Gaplength	mm	165(6-1/2'")	165(6-1/2")	165(6-1/2")	170(6-11/16")	170(6-11/16")	170(6-11/16")
最大工件长度 Distance between centers	mm	1000(40")1500(60")2000(80")			1000(40")1500(60")2000(80")		
床身宽度 Bed width	mm	300(11-13/16')			300(11-13/16')		
主轴端部形式 Spindle nose type	-	D1-6		D1-8	D1-8		
主轴孔径 Spindle bore	mm	58(2-1/4")		80(3-1/8")	80(3-1/8")		105(4-1/8")
主轴孔径锥度 Spindle bore taper	-	MT6		MT7	MT7		113(1:20)
主轴转速范围 Spindle speed range	rpm	25-1600			25-1600		25-1500
主轴转速级数 Spindle speed steps	-	12			12		
小刀架行程 Top tool post travel	mm	128(5")			130(5-1/8")		
中拖板行程 Cross slide travel	mm	285(11-1/4")			316(12-7/16")		
刀具尺寸 Tool size	mm	25*25(1"x1")			25*25(1"x1")		
大丝杠螺距 Lead screw threads	T.PL.	6mm or 4 TP.I.			6mm or 4 TPI.		
纵向进给 Longitudinal feeds range	mm/r	42 kinds,0.031-1.7(0.0011"-0.0633")			35kinds,0.059-1.646(0.0022"-0.0612")		
横向进给 Cross feeds range	mm/r	42 kinds,0.014-0.784(0.00033"-0.01837")			42 kinds,0.020-0.573(0.00048"-0.01354")		
公制螺纹种数 Kinds of metric threads	kinds	41			47		41
公制螺纹范围 Range of metric threads	mm	0.1-14			0.2-14		0.1-14
英制螺纹种数 Kinds ofinch threads	kinds	60			60		
英制螺纹范围 Range of inch threads	TP.I	2-112			2-112		
径节螺纹种数 Kinds of metric threads	kinds	50			50		
径节螺纹范围 Range of metric threads	D.P.	4-112			4-112		
模数螺纹种数 Kinds of threads module	kinds	34			34		
模数螺纹范围 Range of threads module	M.P.	0.1-7			0.1-7		
尾座套筒直径 Tailstock quilldiameter	mm	60(2-5/16")			75(2-15/16")		
尾架套筒行程 Tailstock quilltravel	mm	130(5")			180(7-1/16")		
尾座套筒锥孔 Tailstock quilltaper	-	MT4			MT5		
主电机功率 Main motor power	kW	5.5(7.5HP)			7.5(10HP)		
冷却泵电机 Coolant pump motor	kW	0.1(1/8HP)			0.1(1/8HP)		
机床重量 Machine weight	kg	1844	1910	1910	2460	2600	2600
	kg	2049	2115	2115	2550	2690	2690
	kg	2229	2295	2295	2840	2980	2980
	kg				3270	3410	3410
外形尺寸（长×宽×高） Overalldimension(W*H*L)	mm	2250*1120*1620	2250*1120*1620	2250*1120*1620	2450*1190*1740	2450*1190*1740	2450*1190*1740
	mm	2800*1120*1620	2800*1120*1620	2800*1120*1620	2900*1190*1740	2900*1190*1740	2900*1190*1740
	mm	3300*1120*1620	3300*1120*1620	3300*1120*1620	3400*1190*1740	3400*1190*1740	3400*1190*1740
	mm				4400*1190*1740	4400*1190*1740	4400*1190*1740

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CW6163B CW6263B CW6180B/CW6180C CW6280B/CW6280C 重型车床

HEAVY DUTY LATHE

▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	Units	CW6163B	CW6263B	CW6180B/ CW6180C	CW6280B/ CW6280C
床身上最大回转直径 swing over bed	mm	630		800	
马鞍内最大回转直径 Swing over gap	mm		800		1000
拖板上最大回转直径 Swimg over carriage	mm	350		550(C:480)	
最大工件长度 Max.Length of workpiece	mm	1500/2000/3000		1500/2000/3000	
马鞍槽内有效长度 Effective gap length	mm	550		550(C:600)	
导轨宽度 Guideway width	-	3		3	
床身承重范围 Max.load capacity	mm	104		104	
主轴孔径 Spindle bore	—	Metric ϕ120/MT5		Metric ϕ120/MT5	
主轴内孔锥度 Spindle taper	—	A2-11		A2-11	
主轴鼻端型号 Spindle nose type	—	FWD.18 steps		FWD.18 steps	
主轴转速级数 Step of spindle speed	—	7.5-1000		6-800(C:5.4-720)	
主轴转速范围 Spindle speed range	rpm	ϕ315 3-jaw manual		ϕ315 3-jaw manual(C:ϕ400 3-jaw manua)	
卡盘尺寸 Chuck size	—	Manual turret 4 position		Manual turret 4 position	
刀具尺寸 Tool shank size	mm	30×30		30×30(C:32*32)	
X 轴行程 X axis travel	mm	320		420	
Z 轴行程 Z axis travel	mm	1350/1850/2850		1350/1850/2850	
X 轴进给级数 / 范围 X axis feed grade/range	mm/r	64/0.05-0.912		64/0.05-0.912	
Z 轴进给级数 / 范围 Z axis feed grade/range	mm/r	64/0.1-24.3		64/0.1-24.3	
X 轴快速进给速度 X axis rapid traverse	mm/ min	2300		2300	
Z 轴快速进给速度 Z axis rapid traverse	mm/ min	4000		4000	
公制螺纹 Metric thread	mm	50/1-240		50/1-240	
英制螺纹 Inch thread	T.P.I	26/14-1		26/14-1	
模数螺纹等级 / 范围 Module thread grade/range	mm	53/0.5-120		53/0.5-120	
DP 线程级 / 范围 DP thread grade/range	D.P.	24/28-1		24/28-1	
尾座套筒直径 Tailstock quill diameter	mm	ϕ100		ϕ100	
尾座套筒锥孔 Tailstock quill taper		MT5		MT5	
尾座套筒行程 Tailstock quill travel	mm	250		250	
主轴电机 Main spindle motor	kW	11		11	
快速进给电机 Rapid traverse motor	kW	1.1		1.1	
冷却泵电机 Coolant pump motor	kW	0.125		0.125	
宽 x 高 Width x Height	mm	1400×1450		1500×1450(C:1550*1650)	
长度 Length	mm	3800/4300/5300		3800/4300/5300(C:4000/4500/5500)	
机器净重 Net weight	T	3.8/4.2/4.9 3.7/4.1/4.8		4.0/4.5/5.2 3.9/4.4/5.1	

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▶ 主要特点 MAIN FEATURES

本系列车床是通用金属切削机床，适用于车削内外圆柱面，圆锥面及其它旋转面，车削各种公制和英制和模数和径节螺纹，并能进行钻孔和拉油槽等工作，本系列机床适宜加工铸铁，钢及各种有色金属等材料。

CW series lathe machine is universal metal machining equipment for metal processing, mainly used for turning the internal and external cylindrical surface,conical surface and other rotating surfaces,and turning internal and external pipe threads such as metric,inch, module, DP threads etc., meanwhile this series is also used to drill holes in bar material and make oil groove,this series lathe is able to process metal materials including cast iron, steel and non-ferrous metals.

CW6163E CW6263E CW6180E CW6280E
重型车床
HEAVY DUTY LATHE

▶ 主要特点 MAIN FEATURES

本系列车床是通用金属切削机床，适用于车削内外圆柱面，圆锥面及其它旋转面，车削各种公制和英制和模数和径节螺纹，并能进行钻孔和拉油槽等工作，本系列机床适宜加工铸铁，钢及各种有色金属等材料。

CW series lathe machine is universal metal machining equipment for metal processing, mainly used for turning the internal and external cylindrical surface,conical surface and other rotating surfaces,and turning internal and external pipe threads such as metric,inch, module, DP threads etc., meanwhile this series is also used to drill holes in bar material and make oil groove,this series lathe is able to process metal materials including cast iron, steel and non-ferrous metals.

▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	Units	CW6163E	CW6263E	CW6180E	CW6280E
床身上最大回转直径 Swing over bed	mm	630		800	
马鞍内最大回转直径 Swing over gap	mm	800		1000	
拖板上最大回转直径 Swimg over carriage	mm	350		520	
最大工件长度 Max.Length of workpiece	mm	1500/2000/3000/4000/5000/6000		1500/2000/3000/4000/5000/6000	
导轨宽度 Guideway width	mm	550		550	
床身承重范围 Max.load capacity	T	3		3	
主轴孔径 Spindle bore	mm	105		105	
主轴内孔锥度 Spindle taper	—	Metric φ120/MT6		Metric φ120/MT5	
主轴鼻端型号 Spindle nose type	—	C11		C11	
主轴转速级数 Step of spindle speed	—	正转 18 档 /FWD.18 steps		正转 18 档 /FWD.18 steps	
主轴转速范围 Spindle speed range	rpm	7.5-1000		6-800	
卡盘 Chuck	mm	φ315 手动三爪 /φ315 3-jaw manual		φ315 手动三爪 /φ315 3-jaw manual	
刀架类型 Turret/tool post	—	4 工位手动刀架 Manual turret 4 position		4 工位手动刀架 Manual turret 4 position	
刀具尺寸 Tool shank size	mm	30×30		30×30	
X 轴行程 X axis travel	mm	320		420	
Z 轴行程 Z axis travel	mm	1250/1750/2750/3750/4750/5750		1250/1750/2750/3750/4750/5750	
X 轴进给级数 / 范围 X axis feed grade/range	mm/r	64/0.05-12.15		64/0.05-12.15	
Z 轴进给级数 / 范围 Z axis feed grade/range	mm/r	64/0.1-24.3		64/0.1-24.3	
X 轴快速进给速度 X axis rapid traverse	mm/min	2300		2300	
Z 轴快速进给速度 Z axis rapid traverse	mm/min	4000		4000	
公制螺纹 Metric thread	mm	50/1-240		50/1-240	
英制螺纹 Inch thread	T.P.I	26/14-1		26/14-1	
尾座套筒直径 Tailstock quill diameter	mm	φ100		φ100	
尾座套筒锥孔 Tailstock quill taper		MT6		MT6	
尾座套筒行程 Tailstock quill travel	mm	250		250	
主轴电机 Main spindle motor	kW	11		11	
快速进给电机 Rapid traverse motor	kW	1.1		1.1	
冷却泵电机 Coolant pump motor	kW	0.125		0.125	
机器净重 Net weight	T	3.8/4.2/4.9/ 5.6/6.3/7.0	3.7/4.1/4.8/ 5.5/6.2/6.9	4.1/4.5/5.2/ 5.9/6.6/7.3	4.0/4.4/5.1/ 5.8/6.5/7.2
外形尺寸 (宽 x 高)Overall dimension(W*H)	mm	1400*1450		1500*1630	
外形尺寸 (长)Overall dimension(L)	mm	3800/4300/5300/6300/7300/8300		3800/4300/5300/6300/7300/8300	

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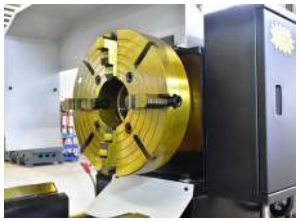
CW6180B CW61110Q CW61125Q
600mm 导轨宽系列普通卧式车床

600MM GUIDEWAY WIDTH SERIES GENERAL HORIZONTAL LATHE



▶ 主要特点 MAIN FEATURES

床身设计：加重新型整体床身，刚性足，运行稳定，排屑流畅，导轨宽 1100mm。
结构设计：有限元法设计，高刚性、低热变形、高主轴转速、低温升、低振动、快移，达国际先进水平。
加工精度：先进设计及工艺，高精度及长期保持性，稳定达 IT6-IT7 级，表面粗糙度 Ra1.6um。
关键零件加工：床身、床头箱、床鞍、尾座等关键件采用先进设备加工，确保高精度。
模块化设计：支持多种配置（主轴、刀架、尾座等）及特殊卡具、刀具，满足多样化需求。
主传动系统：手动四档变速，优化后更稳固，主轴通孔 130mm，外置油箱及浴式润滑，润滑充分，减少发热影响。

Bed design: weighted new integral bed, rigid enough, stable operation, smooth chip removal, guide rail width 1100mm.
Structural design: Finite element method design, high rigidity, low thermal deformation, high spindle speed, low temperature rise, low vibration, fast shift, up to the international advanced level.
Machining accuracy: advanced design and technology, high accuracy and long-term maintainability, stable up to IT6-IT7 level, surface roughness Ra1.6um.
Key parts processing: bed, head box, bed saddle, tailstock and other key parts are processed by advanced equipment to ensure high precision.
Modularized design: support a variety of configurations (spindle, tool holder, tailstock, etc.) and special clamps and tools to meet diversified needs.
Main transmission system: manual four-speed, optimized to be more stable, spindle through-hole 130mm, external oil tank and bath lubrication, sufficient lubrication and reduce the effect of heat generation.

▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	Units	CW6180B	CW61110Q	CW61125Q
床身最大回转直径 Max.swing diameter over bed	mm	φ800	φ1100	φ1250
滑板上最大回转直径 Max.swing over cross slide	mm	φ480	φ780	φ930
最大切削直径 Max.cutting diameter	mm	φ800	φ1100	Φ1250
最大工件长度 Max.protessing length	mm	1500/2000/3000/4000/5000/6000/8000		
最大切削长度 Max.cutting length	mm	1350/1850/2850/3850/4850/5850/7850		
最大通过棒料直径 Max.diameter through the bar	mm	φ100(可定制 φ130 customizable φ130)		
床脚结构 Bed foot structure	—	整体床身 Integral bed		
导轨宽度 Guideway width	mm	600		
主轴转速 Spindle speed	r/min	5.4 -720		
主电机功率 Main spindle motor	KW	11		
主轴端部型号 Spindle nose type	ISO	A2-11		
主轴通孔直径 Spindle bore	mm	φ104(可定制 φ130 customizable φ130)		
主轴锥孔规格 Spindle taper hole specification	—	φ120(1:20)		
主轴转速级数	—	18 种 18species		
主轴轴承 Main spindle bearing	—	NN3032K/P5 NN3026K/P5234432BM/P56028/P5/(φ130) 用 NNU4938/P5 NNU4932/P551140M/P516034M/P5		
主轴中心至地面高度 Height from spindle center to ground	mm	1150	1300	1375
中拖板行程	mm	420	550	625
大拖板快速移动 Large tractor plate fast moving	mm	4000		
快速电机功率 Rapid motor power	kW	1.1		
纵进给量级数和范围 Number of longitudinal feed steps and range	mm/r	64 种 0.06-24.3 64 species 0.06-24.3		
横向进给量和纵进给量的比率 Ratio of transverse and longitudinal feeds	—	1/2		
机床丝杠螺距 Machine screw pitch	mm	12(公制 Metric)		
螺纹车削公制螺纹 Thread turning metric threads	mm	50 种 1-240 另有 14 种非标螺纹 (44 species 1-120 Another 14 types of non-standard threads)		
英制螺纹 Inch threads	t.p.i	26 种 14-1 (26 species 14-1)		
模数螺纹 Modular threads	mm	53 种 0.5-120 (53 species 0.5-120)		
径节螺纹 Pitch threads	Dp	24 种 28-1 (24 species 28-1)		
尾架套筒直径 / 行程 Tailstock quill diameter/travel	mm	120/250		
套筒锥孔规格 Tailstock quill taper	—	莫氏 6# MT6		
套筒驱动方式 Sleeve drive system	—	手动 Manual		
尾座驱动 Tailstock drive	—	手动 Manual		
刀架形式 Turret type	—	202X202 立式 4 工位 Vertical 4 station		
外圆车刀刀柄规格 External turning tool shank specification	mm	32×32		
刀架最大行程 Max. travel of tool holder	mm	200		
加工工件圆度 Roundness of workpiece	—	0.01mm/φ100		
加工工件平面度 Flatness of workpiece	—	0.03mm/φ300mm		
卡盘直径 (手动) Chuck diameter (manual)	mm	φ630 四爪单动卡盘 Four-jaw single-action chucks	φ800 四爪单动卡盘 Four-jaw single-action chucks	φ1000 四爪单动卡盘 Four-jaw single-action chucks
中心架、跟刀架 Steady rest, Follow rest	mm	2000 以上规格带中心架 φ50-φ350 跟刀架 φ30-φ160 Above 2000 specifications with Steady rest φ50-φ350 and Follow restφ30-φ160		
电气总容量 Total electrical capacity	KVA	30		
机床外形尺寸 (长 X 宽 X 高) Machine dimension (L*W*H)	mm	3650×1500×1600(1500) 4150×1500×1600(2000) 5150×1500×1600(3000) 6150×1500×1600(4000) 7150×1500×1600(5000) 8150×1500×1600(6000) 10150×1500×1600(8000)	3650×1650×1750(1500) 4150×1650×1750(2000) 5150×1650×1750(3000) 6150×1650×1750(4000) 7150×1650×1750(5000) 8150×1650×1750(6000) 10150×1650×1750(8000)	650×1700×1850(1500) 4150×1700×1850(2000) 5150×1700×1850(3000) 6150×1700×1850(4000) 7150×1700×1850(5000) 8150×1700×1850(6000) 10150×1700×1850(8000))
机床重量 Machine weight	kg	4800(1500) 5100(2000) 5700(3000) 6500(4000) 7200(5000) 7900(6000) 9100(8000)	5300(1500) 5600(2000) 6200 (3000) 7000(4000) 7700(5000) 8400(6000) 9600(8000)	5700(1500) 6000(2000) 6600 (3000) 7400(4000) 8100(5000) 8700(6000) 9900(8000)

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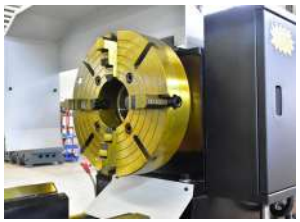
CW61125B CW61160B

755mm 导轨宽系列普通卧式车床

755MM GUIDEWAY WIDTH SERIES GENERAL HORIZONTAL LATHE



▶ 主要特点 MAIN FEATURES

床身设计：加重新型整体床身，刚性足，运行稳定，排屑流畅，导轨宽 755mm。
结构设计：有限元法设计，高刚性、低热变形、高主轴转速、低温升、低振动、快移，达国际先进水平。
加工精度：先进设计及工艺，高精度及长期保持性，稳定达 IT6-IT7 级，表面粗糙度 Ra1.6um。
关键零件加工：床身、床头箱、床鞍、尾座等关键件采用先进设备加工，确保高精度。
模块化设计：支持多种配置（主轴、刀架、尾座等）及特殊卡具、刀具，满足多样化需求。
主传动系统：手动四档变速，优化后更稳固，主轴通孔 130mm，外置油箱及浴式润滑，润滑充分，减少发热影响。

Bed design: weighted new integral bed, rigid enough, stable operation, smooth chip removal, guide rail width 755mm.
Structural design: Finite element method design, high rigidity, low thermal deformation, high spindle speed, low temperature rise, low vibration, fast shift, up to the international advanced level.
Machining accuracy: advanced design and technology, high accuracy and long-term maintainability, stable up to IT6-IT7 level, surface roughness Ra1.6um.
Key parts processing: bed, head box, bed saddle, tailstock and other key parts are processed by advanced equipment to ensure high precision.
Modularized design: support a variety of configurations (spindle, tool holder, tailstock, etc.) and special clamps and tools to meet diversified needs.
Main transmission system: manual four-speed, optimized to be more stable, spindle through-hole 130mm, external oil tank and bath lubrication, sufficient lubrication and reduce the effect of heat generation.

▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	Units	CW61125B	CW61160B
床身最大回转直径 Max.swing diameter over bed	mm	φ1250	φ1600
滑板上最大回转直径 Max.swing over cross slide	mm	φ860	φ1210
最大切削直径 Max.cutting diameter	mm	φ1250	φ1600
最大工件长度 Max.protessing length	mm	1500/2000/3000/4000/5000/6000/8000/10000 订做最长至 20000(Customizable up to 20000)	
最大切削长度 Max.cutting length	mm	1300/1800/2800/3800/4800/5800/7800/9800	
最大通过棒料直径 Max.diameter through the bar	mm	φ130	
床脚结构 Bed foot structure	—	整体床身 Integral bed	
导轨宽度 Guideway width	mm	755	
主轴转速 Spindle speed	r/min	3.15-315	
主电机功率 Main spindle motor	KW	18/6 级 (Level 6)	
主轴端部型号 Spindle nose type	ISO	A2-15	
主轴通孔直径 Spindle bore	mm	φ130	
主轴锥孔规格 Spindle taper hole specification	—	φ140(1:20)	
主轴正转转速级数 Number of positive spindle speed stages	—	21 种 3.15—315（21species 3.15—315）	
主轴反转转速级数 Number of spindle reversing speed stages	—	12 种 3.5—278（12 species 3.5—278）	
主轴轴承 Main spindle bearing	—	NN3040K/P5 NN3034K/P551144M/P512736/P5	
主轴中心至地面高度 Height from spindle center to ground	mm	1325	1500
中拖板行程 Center Tow Plate Stroke	mm	700	800
大拖板快速移动 Large tractor plate fast moving	mm	4000	
快速电机功率 Rapid motor power	kW	1.5	
纵进给量级数和范围 Number of longitudinal feed steps and range	mm/r	64 种 0.06-24.3 64 species 0.06-24.3	
横向进给量和纵进给量的比率 Ratio of transverse and longitudinal feeds	—	1/2	
上刀架进给量和纵向进给量的比率 Ratio of upper tool holder feed to longitudinal feed	—	1/4	
机床丝杠螺距 Machine screw pitch	mm	12(公制 Metric)	
螺纹车削公制螺纹 Thread turning metric threads	mm	44 种 1-120（44 species 1-120 ）	
英制螺纹 Inch threads	t.p.i	31 种 24-1/4（31 species 24-1/4）	
模数螺纹 Modular threads	mm	45 种 0.5-60（45 species 0.5-60）	
径节螺纹 Pitch threads	Dp	38 种 1/2-56（38 species 1/2-56）	
尾架套筒直径 / 行程 Tailstock quill diameter/travel	mm	160/300	
套筒锥孔规格 Tailstock quill taper	—	公制 Metric 80	
套筒驱动方式 Sleeve drive system	—	手动 Manual	
尾座驱动 Tailstock drive	—	电动 electric powered	
刀架形式 Turret type	—	260X260 立式 4 工位 Vertical 4 station	
外圆车刀刀柄规格 External turning tool shank specification	mm	45×45	
刀架最大行程 Max. travel of tool holder	mm	350	
加工工件圆度 Roundness of workpiece	—	0.01mm/φ100	
加工工件平面度 Flatness of workpiece	—	0.03mm/φ300mm	
卡盘直径 (手动) Chuck diameter (manual)	mm	φ1000 四爪单动卡盘 Four-jaw single-action chucks	φ1250 四爪单动卡盘 Four-jaw single-action chucks
中心架、跟刀架 Steady rest, Follow rest	mm	3000 以上规格带中心架 φ150-φ600 跟刀架 φ50-φ260 Above 3000 specifications with Steady restφ150-φ600 and Follow rest φ50-φ260	
电气总容量 Total electrical capacity	KVA	50	
机床外形尺寸 (长 X 宽 X 高) Machine dimension (L*W*H)	mm	4600×1900×1900(1500) 5100×1900×1900(2000) 6100×1900×1900(3000) 7100×1900×1900(4000) 8100×1900×1900(5000) 9100×1900×1900(6000) 11100×1900×1900(8000) 13100×1900×1900(10000)	4600×1950×2100(1500) 5100×1950×2100(2000) 6100×1950×2100(3000) 7100×1950×2100(4000) 8100×1950×2100(5000) 9100×1950×2100(6000) 11100×1950×2100(8000) 13100×1950×2100(10000)
机床重量 Machine weight	kg	9800(1500) 10300(2000) 11500(3000) 12600(4000) 13700(5000) 14800(6000) 17000(8000) 18800(10000)	10800(1500) 11300(2000) 12500(3000) 13600(4000) 14700(5000) 15800(6000) 18000(8000) 19600(10000)

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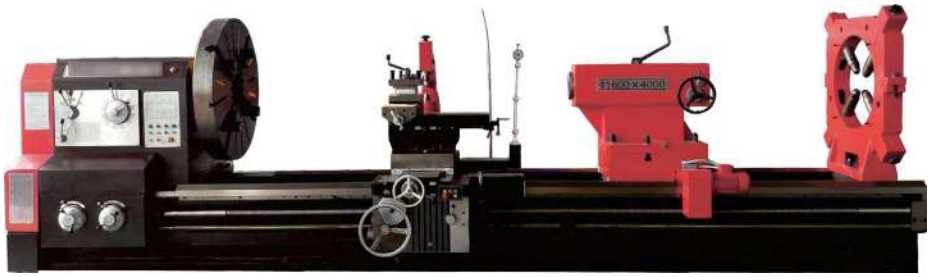
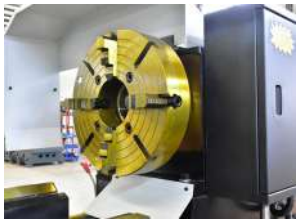
CW61160 CW61180 CW61200
1100mm 导轨宽系列普通卧式车床

1100MM GUIDEWAY WIDTH SERIES GENERAL HORIZONTAL LATHE





▶ 主要特点 MAIN FEATURES

床身设计：加重新型整体床身，刚性足，运行稳定，排屑流畅，导轨宽 1100mm。
结构设计：有限元法设计，高刚性、低热变形、高主轴转速、低温升、低振动、快移，达国际先进水平。
加工精度：先进设计及工艺，高精度及长期保持性，稳定达 IT6-IT7 级，表面粗糙度 Ra1.6um。
关键零件加工：床身、床头箱、床鞍、尾座等关键件采用先进设备加工，确保高精度。
模块化设计：支持多种配置（主轴、刀架、尾座等）及特殊卡具、刀具，满足多样化需求。
主传动系统：手动四档变速，优化后更稳固，主轴通孔 130mm，外置油箱及浴式润滑，润滑充分，减少发热影响。

Bed design: weighted new integral bed, rigid enough, stable operation, smooth chip removal, guide rail width 1100mm.
Structural design: Finite element method design, high rigidity, low thermal deformation, high spindle speed, low temperature rise, low vibration, fast shift, up to the international advanced level.
Machining accuracy: advanced design and technology, high accuracy and long-term maintainability, stable up to IT6-IT7 level, surface roughness Ra1.6um.
Key parts processing: bed, head box, bed saddle, tailstock and other key parts are processed by advanced equipment to ensure high precision.
Modularized design: support a variety of configurations (spindle, tool holder, tailstock, etc.) and special clamps and tools to meet diversified needs.
Main transmission system: manual four-speed, optimized to be more stable, spindle through-hole 130mm, external oil tank and bath lubrication, sufficient lubrication and reduce the effect of heat generation.

▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	Units	CW61100G	CW61140G	CW61160G
床身最大回转直径 Max.swing diameter over bed	mm	φ1600	φ1800	φ2000
滑板上最大回转直径 Max.swing over cross slide	mm	φ1180	φ1380	φ1580
最大切削直径 Max.cutting diameter	mm	φ1600	φ1800	φ2000
最大工件长度 Max.protessing length	mm	1500/2000/3000/4000/5000/6000/8000/10000 可订做最长至 20000(Customizable up to 20000)		
最大切削长度 Max.cutting length	mm	1300/1800/2800/3800/4800/5800/7800/9800		
最大通过棒料直径 Max.diameter through the bar	mm	φ130		
床脚结构 Bed foot structure	—	整体床身 Integral bed		
导轨宽度 Guideway width	mm	1100		
主轴转速 Spindle speed	r/min	2-200		
主电机功率 Main spindle motor	KW	22/6 级 (Level 6)		
主轴端部型号 Spindle nose type	ISO	A2-15		
主轴通孔直径 Spindle bore	mm	φ130		
主轴锥孔规格 Spindle taper hole specification	—	φ140(1:20)		
主轴正转转速级数 Number of positive spindle speed stages	—	21 种 2 — 200 （21species2 — 200）		
主轴反转转速级数 Number of spindle reversing speed stages	—	12 种 2.25—178 （12species2.25—178）		
主轴轴承 Main spindle bearing	—	NN3040K/P5 NN3034K/P551144M/P512736/P5		
主轴中心至地面高度 Height from spindle center to ground	mm	1450	1550	1650
X 轴行程 X axis travel	mm	800	900	1000
大拖板快速移动 Large tractor plate fast moving	mm	3740		
快速电机功率 Rapid motor power	kW	1.5		
纵进给量级数和范围 Number of longitudinal feed steps and range	mm/r	64 种 0.06-24.3 64 species 0.06-24.3		
横向进给量和纵进给量的比率 Ratio of transverse and longitudinal feeds	—	1/2		
上刀架进给量和纵向进给量的比率 Ratio of upper tool holder feed to longitudinal feed	—	1/4		
机床丝杠螺距 Machine screw pitch	mm	12(公制 Metric)		
螺纹车削公制螺纹 Thread turning metric threads	mm	44 种 1-120 （44 species 1-120 ）		
英制螺纹 Inch threads	t.p.i	31 种 24-1/4 （31 species 24-1/4）		
模数螺纹 Modular threads	mm	45 种 0.5-60 （45 species 0.5-60）		
径节螺纹 Pitch threads	Dp	38 种 1/2-56 （38 species 1/2-56）		
尾架套筒直径 / 行程 Tailstock quill diameter/travel	mm	240/300(1000-3000)265 内置顶尖 Built-in tops/300(4000 以上 Above4000)		
套筒锥孔规格 Tailstock quill taper	—	公制 Metric 100(1000-3000) 公制 Metric 80(4000 以上 Above4000)		
套筒驱动方式 Sleeve drive system	—	手动 Manual		
尾座驱动 Tailstock drive	—	电动 electric powered		
刀架形式 Turret type	—	260X260 立式 4 工位 Vertical 4 station		
外圆车刀刀柄规格 External turning tool shank specification	mm	45×45		
刀架最大行程 Max. travel of tool holder	mm	350		
上刀架最大行程 Max. stroke of upper tool holder	mm	200		
加工工件圆度 Roundness of workpiece	—	0.01mm/φ100		
加工工件平面度 Flatness of workpiece	—	0.03mm/φ300mm		
卡盘直径 (手动) Chuck diameter (manual)	mm	φ1250 四爪单动卡盘 Four-jaw single-action chucks	φ1400 四爪单动卡盘 Four-jaw single-action chucks	φ1600 四爪单动卡盘 Four-jaw single-action chucks
中心架、跟刀架 Steady rest, Follow rest	mm	3000 以上规格带中心架 φ200-φ800 跟刀架 φ50-φ260 Above 3000 specifications with Steady rest φ200-φ800 and Follow rest φ50-φ260		
电气总容量 Total electrical capacity	KVA	60		
机床外形尺寸 (长 X 宽 X 高) Machine dimension (L*W*H)	mm	4900×2350×2300(1500) 5400×2350×2300(2000) 6400×2350×2300(3000) 7650×2350×2300(4000) 8650×2350×2300(5000) 9650×2350×2300(6000) 11650×2350×2300(8000) 13650×2350×2300(10000)	4900×2350×2400(1500) 5400×2350×2400(2000) 6400×2350×2400(3000) 7650×2350×2400(4000) 8650×2350×2400(5000) 9650×2350×2400(6000) 11650×2350×2400(8000) 13650×2350×2400(10000)	4900×2350×2500(1500) 5400×2350×2500(2000) 6400×2350×2500(3000) 7650×2350×2500(4000) 8650×2350×2500(5000) 9650×2350×2500(6000) 11650×2350×2500(8000) 13650×2350×2500(10000)
机床重量 Machine weight	kg	18500(1500)19200(2000) 21000 (3000)22000(4000) 23000(5000)24000(6000) 26200(8000)28200(10000)	19500(1500)20200(2000) 22000(3000)23000(4000) 24000(5000)25000(6000) 27200(8000)29200(10000)	20500(1500)21200(2000) 23000 (3000)24000(4000) 25000(5000)26000(6000) 28200(8000)30200(10000)

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Q1313 Q1319 Q1322 Q1325 管子螺纹车床

PIPE THREAD LATHE

▶ 主要特点 MAIN FEATURES

本系列管螺纹车床主要用来加工管子内外螺纹，同时也可作为普通车床使用，可对轴类、盘类进行外圆、内孔和端面等的加工，机床配有锥度装置，可加工带锥度的工件；该机床广泛应用于石油行业对钻杆、接头、套管等零件的加工和修复，同时也应用于化工、煤炭、地质等行业各种管道、钻杆等的螺纹加工。

Q13 series pipe threading lathe mainly used for tuning the internal and external threads including metric and inch thread,as well as having all the common functions of normal engine lathe such as processing the inner bore, end face of shafts anddisks,this series is equipped with taper guide bar device which enables this series to process taper thread,this series is widelyused in industries including petroleum exploiting.minerals mining.chemical piping and geological prospecting.for processingand repalring drilling pipe,drilling rod, thread coupling and so on.

▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	Units	Q1313	Q1319	Q1322	Q1325
床身上最大回转直径 Swing over bed	mm	630/800	630/800	630/800	800
拖板上最大回转直径 Swing over cross slide	mm	340/540	340/540	340/540	480
最大工件长度 Distance between centers	mm	1500/3000	1500/3000	1500/3000	1500/3000
加工管螺纹直径范围 Pipe threading range	mm	30-126	50-193	50-220	50-250
导轨宽度 Guideway width	mm	550	550	550	600
最大承重范围 Max.load capacity	T	3	3	3	4
主轴孔径 Spindle bore	mm	130	200	225	255
主轴转速级数 Spindle speed steps	—	FWD.18 REV.9	4 档变频 VF.4 steps		
主轴转速范围 Spindle speed range	rpm	30-650	20-380	20-380	20-480
卡盘规格 Chuck	mm	3-jaw manual	4-jaw manual		
刀架类型 Turret/tool post	—	4 工位刀架 Manual 4 position			
刀具尺寸 Tool shank size	mm	30×30	32×32	32×32	32×32
X 轴行程 X axis travel	mm	320/420	320/420	320/420	420
Z 轴行程 Z axis travel	mm	1350/2850	1350/2850	1350/2850	1350/2850
X 轴进给等级 / 范围 X axis feed grade/range	mm/r	22/0.02-0.45	22/0.02-0.45	22/0.02-0.45	22/0.02-0.45
Z 轴进给等级 / 范围 Z axis feed grade/range	mm/r	26/0.07-1.33	26/0.07-1.33	26/0.07-1.33	26/0.07-1.33
X 轴快速给进速度 X axis rapid traverse	mm/min	2300	2300	2300	2300
Z 轴快速给进速度 Z axis rapid traverse	mm/min	4000	4000	4000	4000
公制螺纹等级 / 范围 Metric thread grade/range	mm	52/1-24	1-15	1-15	1-15
英制螺纹等级 / 范围 Inch thread grade/range	T.P.I	40/28-2	14-1	14-1	14-1
尾座套筒直径 Tailstock quill diameter	mm	100	100	100	100
尾座套筒锥孔 Tailstock quill taper	mm	MT5	MT5	MT5	MT5
尾座套筒行程 Tailstock quill travel	mm	250	250	250	250
主轴电机 Main spindle motor	kW	11	11	11	15
快速给进电机 Rapid traverse motor	kW	0.3	0.3	0.3	1.1
冷却泵电机 Coolant pump motor	kW	0.125	0.125	0.125	0.125
宽 x 高 Width x Height	mm	1500×1500	1550×1550	1650×1550	1700×1600
长 Length	mm	3700/5200	3700/5200	3700/5200	4100/5600
净重 Net weight	T	4.0/5.2	4.3/5.5	4.5/5.7	8.0/9.0

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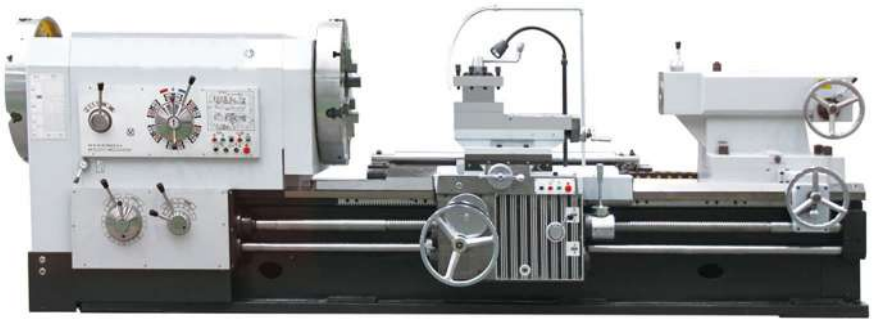
Q13 系列 (550/600/755 导轨)
普通管螺纹车床

PIPE THREAD LATHE（550/660/755 GUIDEWAY）



▶ 主要特点 MAIN FEATURES

本系列斜床身数控车床是高精度、高效率的斜床身自动化机床，配备多工位伺服或动力刀塔等先进配置，能够加工直线圆柱、斜线圆柱、圆弧和各种螺纹，并且能够加工蜗杆等复杂工件，具有编程简单、结构可靠、操作方便和自动化程度高等特点，是油管等管件加工领域常用的高效率数 控 加 工 设 备。

Slant bed CNC pipe threading lathe series is the new type automatic lathe with high precision and high efficiency,it equips with advanced accessories such as servo or power turret etc.,this series lathe is capable of processing arc,straight and oblique cylinder workpiece,as well as turning threads etc., it is also used as normal cnc lathe to turn the internal and external cylindrical surface,conical surface and other rotating surfaces etc.

主轴孔径大、通过性高，前后双气动卡盘工件夹持稳定、加工效率高
树脂砂工艺铸造整体床身，经时效处理，外形美观、刚性好、精度高
采用高品质刮屑板防导轨刮伤，导轨面使用贴塑，耐磨性好、精度高
采用 45°斜床身和高频淬火硬轨，以保证高强度切削的稳定性和精度

Big spindle bore and double chuck to ensure process big diameter pipe
Double pneumatic chucks ensure hold workpiecestable and efficiency
One-piece bed adopts high strength iron to ensure rigidity and precision
Ultrasonic frequency quenched guide-ways ensure good wear-resistance
Carriage and guide-way contact surface use Turcite B to maintain accuracy

▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS		Units	Q1313C	Q1319C	Q1322C	Q1325C	Q1327C	Q1327	Q1332	Q1338	Q1343	Q1350
床身上最大回转直径	Swing over bed	mm	630/800	630/800	630/800	800	800	1000	1000	1000	1000	1200
横滑板上最大回转直径	Swing over cross slide	mm	340/520	340/520	340/520	480	480	610	610	610	610	710
y 最大工件长度	Distance between centers	mm	1500/3000	1500/3000	1500/3000	1500/3000	1500/3000	1500/3000	1500/3000	1500/3000	1500/3000	1500/3000
加工管螺纹直径范围	Pipe threading range	mm	30-126	50-193	50-220	50-250	50-270	130-273	190-320	190-380	270-430	330-510
床身导轨宽度	Guideway widcth	mm	550	550	550	600	600	755	755	755	755	765
床身承重范围	Max load capacity		3	3	3	4	4	6	6	6	6	6
主轴孔径范围	Spindle bore	mm	130	206	225	255	280	280	330	390	440	520
主轴转速级数	Spindle speed steps	-	正转 18 档 / 反转 9 档 FWD.18 steps/REV. 9steps	4 档变频 NF.4 steps		4 档变频 NF.4 steps		正转 12 档 FWD.12 steps	正转 9 档 FWD.9steps	正转 9 档 FWD.9steps	正转 9 档 FWD.9 steps	正转 9 档 FWD.9 steps
主轴转速范围	Spindle speed range	rpm	6-800	20-500		25-350		16-380	7.5-280	6-205	4.9-180	6-205
卡盘规格	Chuck	mm	ф400 手动三爪 3-jaw manual	ф520 手动四爪 /4-jaw manual		ф630 手动四爪 4-jaw manual	ф680 手动四爪 4-jaw manual	ф800 手动四爪 4-jaw manual	ф780 电动四爪 4-jaw electric	ф850 电动四爪 4-jaw electric	ф1000 电动四爪 /4-jaw electric	
刀架类型	Turret/tool post		4 工位刀架 Manual 4 position			4 工位刀架 Manual 4 positon		4 工位刀架 /Manual 4 positon				
刀具尺寸	Tool shank size	mm	32x32	32x32	32×32	32×32	32×32	45×45	45×45	45×45	45×45	45×45
X 轴行程	X-axis travel	mm	320/420	320/420	320/420	420	420	520	520	520	520	520
Z 轴行程	Z-axs travel	mm	1350/2850	1350/2850	1350/2850	1250/2750	1250/2750	1250/2750	1250/2750	1250/2750	1250/2750	1250/2750
X 轴进给级数范 / 围	X-axis feed grade/range	mm/r	64/0.1-1.52	32/0.0475-0.72	32/0.0475-0.72	32/0.0475-0.72	32/0.0475-0.72	40/0.05-1.5	32/0.05-0.75	32/0.05-0.75	32/0.05-0.75	32/0.05-0.75
Z 轴进给级数 / 范围	Z-axis feed grade/range	mm/r	64/1.6-24.32	32/0.095-1.44	32/0.095-1.44	32/0.095-1.44	32/0.095-1.44	40/0.1-3	32/0.1-1.5	32/0.1-1.5	32/0.1-1.5	32/0.1-1.5
区轴快速进给速度	X-axis rapid traverse	mm/min	2300	2300	2300	2300	2300	1870	1870	1870	1870	1870
Z 轴快速进给速度	Z-axis rapid traverse	mm/mn	4000	4000	4000	4000	4000	3740	3740	3740	3740	3740
公制螺纹种类 / 范围	Metric thread grade/range	mm	50/1-240	22/1-15	22/1-15	22/1-15	22/1-15	30/1-30	23/1-15	23/1-15	23/1-15	23/1-15
英制螺纹种类范围	Inch thread grade/range	T.P.I	26/14-1	26/14-1	26/14-1	26/14-1	26/14-1	27/28-1	22/28-2	22/28-2	22/28-2	22/28-2
尾座套筒直径	Tailstock quil dameter	mm	ф100	ф100	ф100	ф120	ф120	ф160	ф160	ф160	ф160	ф160
尾座套筒锥度	Tailstock quil taper		MT6	MT6	MT6	MT6	MT6	MT6	MT6	MT6	MT6	MT6
尾座套筒行程	Tailstock quil travel	mm	250	250	250	250	250	300	300	300	300	300
主轴电机	Main spindle motor	kW	11	11	11	15	15	22	22	22	22	22
快速进给电机	Rapid traverse motor	kW	0.3	0.3	0.3	1.1	1.1	1.5	1.5	1.5	1.5	1.5
冷却泵电机	Coolant pump motor	kW	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
宽度 W x 高度 H	Width x Height	mm	1500×1500	1550×1550	1650×1550	700×1600	1700×1600	2100×1600	2100×1650	2100×1700	2100×1700	2100×1850
长度 L	Length	mm	3700/5200	3700/5200	3700/5200	4100/5600	4100/5600	4800/6300	4900/6400	4900/6400	5000/6500	5000/6500
机器净重	Net weight	T	4.0/52	4.3/5.5	4.5/5.7	8.0/9.0	8.0/9.0	10.0/11.5	11.5/13.0	12.8/14.3	13.0/14.5	15.0/16.5

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Our company has been conducting research and improvement work on machines, so we reserve the right to improve technical parameters at any time without prior notice.

X5028 XQ5032 X5036B X5036B-1

立式铣床

VERTICAL MILLING MACHINE

▶ 主要特点 MAIN FEATURES

铣床上可以加工平面 (水平面、垂直面)、沟槽 (键槽、T 形槽、燕尾槽等) 分齿零件 (齿轮、花键轴、链轮)、螺旋形表面 (螺纹、螺旋槽) 及各种曲面。此外 , 还可用于对回转体表面、内孔加工及进行切断工作等

The milling machine can process planes (horizontal planes, vertical planes), grooves (keyways,T-slots, dovetail grooves,etc.), gear parts (gears, spline shafts, sprockets), spiral surfaces (threads, spiral grooves) and Various curved surfaces. In addition, it can also be used to process the surface of the revolving body the inner hole and the cutting work, etc.

▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	Units	X5028	XQ5032	X5036B	X5036B-1
工作台尺寸 Table size	mm	1200*280	1500*320	1500*360	1500*360
工作台行程 (X/Y) Table travel(X/Y)	mm	650/320/350	800/300/320	800/320/450	1000/320/450
T 型槽（数量 - 宽度 × 间距) T slot(number-width*pitch)	-	3-14*50	3-16*70	3-18*80	3-18*80
主轴锥度 Spindle taper	-	ISO 407:24	ISO 507:24	ISO 507:24	ISO 507:24
主轴转速范围 (级数) Spindle speed range(steps)	rpm	40-1300(12)	40-1300(12)	60-1700(12)	60-1700(12)
主轴端面到工作台距离 Distance between spindle nose and table surface	mm	50-400	50-400	60-540	60-540
主轴中心到立柱表面距离 Distance from spindle center to column surface	mm	320	320	360	360
主电机功率 Main motor power	KW	3	4	4	4
机床重量 Machine Weight	kg	1500	2200	2700	2700
外形尺寸 (长 X 宽 X 高) Overall dimension	mm	1700*1700*1850	2000*1820*2100	2600*2200*2220	2600*2200*2220

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