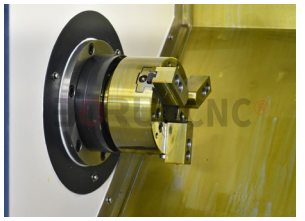
TCK6340 TCK6340S TCK6350

45°斜床身数控车床

45° CNC SLANT-BED LATHE MACHINE



▶ 主要特点 MAIN FEATURES

- 45 度斜床身
- 高精度台湾直线导轨
- 排屑量大且方便 , 右排屑式和后排屑式可二选一
- 主轴单元分重切式和高速两种
- 重切式主轴单元适合轴承和齿轮类的加工
- 高速式主轴单元适合高速高精加工
- 丝杠预拉伸结构
- 排刀架
- 可选配刀塔

- 45 degrees slant bed CNC lathe
- Higher accuracy Taiwan linear guideways
- Chip conveying capacity is large and convenient, customer could choose
- Chip conveying in the right or in the back
- Spindle unit has two types. the heavy cutting type and the high speed type.
- The first one is suitable for bearing and gear processing. The second cing type is suitable for the high speed and high precision processing.
- Customers could choose any type of them.
- Screw pre-stretching structure
- Gang type tool standard
- Optional turret

▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	Units	TCK6340	TCK6340S	TCK6350
床身上最大回转直径 Max. Swing over bed	mm	400	400	520
滑板上最大车削直径 Max. swing diameter over slide	mm	140	140	220
最大工件长度 Distance between centers	mm	200	400/300	410/310
最大棒料直径 Max.bar capacity	mm	45	45	55
最大盘类加工直径 Max processing diameter of plate type work piecee	mm	400	400	500
主轴通孔直径 Diameter of spindle through hole		A2-5	A2-5	A2-6
主轴端部形式 Spindle nose	mm	56	56	66
主轴转速范围 Spindle speed range	r/min	50-3500	50-3500	50-3000
主轴换挡方式 Spindle shift mode		无极变速 Stepless Speed		
主电机功率 Main motor power	kw	5.5	5.5	7.5
卡盘类型 Chuck type		液压夹头 / 手动卡盘 Hydraulic collet / manual chuck		液压卡盘 Hydraulic chuck
卡盘形式 Chuck size	Inch	8	8	10
X/Z 轴快移速度 X/Z axis rapid traverse	m/min	24/24	24/24	24/24
X 轴伺服电机扭矩 X axis servo motor torque	N.m	6	6	7.5
Z 轴伺服电机扭矩 Z axis servo motor torque	N.m	6	6	7.5
× 轴行程 X axis travel	mm	400	400	500
Y 轴行程 Y axis travel	mm	300	500	500
导轨形式 Guide way type		直线导轨 linear way		
刀架形式 Tool post type		排刀座 Gang type	排刀架，可选配刀塔 Gang type optional tool turret	
刀具尺寸 Tool shank size	mm	20*20/ϕ25	20*20/ϕ25	25*25/ϕ32
额定总功率 Total rated power	kw	10	12	13
额定总电流 Total rated curent	A	21	26	28
机床重量 Net weight	kg	2300	2600	3000
机床尺寸 Machine dimension(L*W*H)	mm	2200*1530*1780	2390*1530*1780	2500*1620*1890

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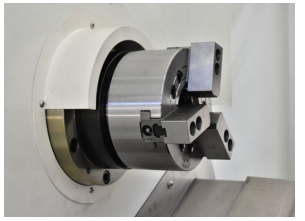
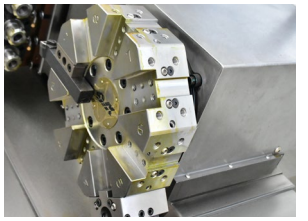
TCK36A TCK46A TCK50A

斜床身数控车床

CNC SLANT-BED LATHE MACHINE





▶ 主要特点 MAIN FEATURES

整机结构紧凑、外形美观宜人、主轴大扭矩、高刚性、性能稳定可靠、具有优良的精度保持性。
采用 30°或 45°整体斜床身结构，配置高精度预负荷台湾直线滚柱导轨，机床的位置精度高，排屑流畅、适合高速高精加工。
采用高精度主轴单元与主轴箱体精密装配而成。

The machine tool features a compact structure and ergonomic design, with a high-torque spindle offering exceptional rigidity, stable and reliable performance, and superior accuracy retention.
It adopts an integral 30° or 45° inclined bed structure, equipped with high-precision preloaded linear roller guides (Taiwan-made), ensuring high positional accuracy, efficient chip evacuation, and optimal suitability for high-speed, high-precision machining.
The high-precision spindle unit is precision-assembled with the spindle housing, guaranteeing outstanding rotational performance and long-term durability.

▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS		Units	TCK36A	TCK46A	TCK50A	TCK50A/500	TCK50A/800
床身上最大回转直径 Max. swing over the bed		mm	Φ360mm	Φ460	Φ560	Φ560	Φ560
溜板上最大回转直径 Max.Swing Over Carriage		mm	Φ140mm	Φ260	Φ260	Φ260	Φ260
顶尖距 Distance Between Centers		mm	350	500	500	500	800
最大盘类加工直径 Max. Disc Machining Diameter		mm	Φ360mm	Φ400	Φ400	Φ400	Φ440
最大车削长度 Max. Turning Length		mm	300	350	350	500	800
主轴端部型式 Spindle Nose Type			A2-5	A2-5	A2-6	A2-6	A2-8
主轴通孔直径 Spindle Bore Diameter		mm	Φ48	Φ56	Φ66	Φ66	Φ86
棒料通径 Bar Capacity		mm	Φ41	Φ45	Φ55	Φ55	Φ75
液压卡盘 Hydraulic Chuck		mm	6 寸中空 6-inch Through-Hole	8 寸 8-inch	10 寸 10-inch		
液压卡盘拉杆通孔 Draw Tube Through Hole for Hydraulic Chuck		mm	Φ40	Φ45	Φ55	Φ55	Φ75
导轨形式 Guideway Type			线轨 Linear Guideway	直线导轨 Linear Guide			
主轴锥孔锥度 Spindle Taper		No	40°	MT6#	公制 Metric Taper70 1：20		公制 Metric Taper92 1：20
主轴极限转速 Max. Spindle Speed		rpm	4000	3500	3000	3000	3000
尾座套筒直径 Tailstock Quill Diameter		mm	Φ65	70	70	70	90
尾座套筒内孔锥度 Tailstock Quill Taper		No	莫氏 4# MT4	莫氏 5#MT5			
尾座套筒行程 Tailstock Quill Travel		mm	60	80	80	80	80
尾座形式 Tailstock Type			手动 Manual	液压 Hydraulic			
刀塔 Turret		把	8	8	8	8	8
刀方尺寸 Tool Holder Size		mm	20x20	25X25/32	25x25		
丝杠型号 Lead Screw Model	X 向 X-axis	mm	2810	3210	3210	3210	3210
	Z 向 Z-axis	mm	3210	4010	4010	4010	4010
X 导轨型号 Guideway Model	X 向 X-axis	mm	MSR30S2SSF1A+R960	RGH35CA2R680	RGH35CA2R680	RGH35CA2R680	RGH35CA2R725
	Z 向 Z-axis	mm	MSR30S2SSF1+R630	RGH35CA2R1040	RGH35CA2R1040	RGH35CA2R1120	RGH35CA2R1515
X/Z 电机扭矩 X/Z-axis Motor Torque		N.M	6/6	7.5/7.5	7.5/10	7.5/10	10/10
X/Z 向快移速度 X/Z-axis Rapid Traverse Speed		m/min	24/24	18/18	18/18	18/18	18/18
X 向行程 X-axis Travel		mm	185	240	240	240	260
Z 向行程 Z-axis Travel		mm	350	400	400	540	860
最小设定单位 Least Input Increment		mm	0.001	0.001	0.0001	0.0001	0.0001
主电机功率 Main Motor Power		KW	5.5	7.5	11	11	15
总电源功率 Total Power Consumption		KW	9	11	18	18	22
机床净重 Machine Net Weight		Kg	约 2400	2800	2800	3000	4000
外形尺寸（长 × 宽 × 高） Overall Dimensions (L×W×H)		mm	2200x1610x1850	2550*2000*2000	2600*2000*2000	2700*2000*2000	3300*2000*2000

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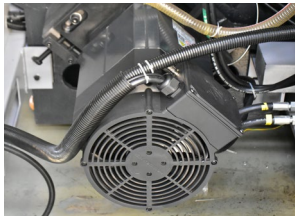
TCK56 TCK63 TCK80 斜床身数控车床

CNC SLANT-BED LATHE MACHINE



▶ 主要特点 MAIN FEATURES

- 45 度斜床身
- 高精度台湾直线导轨
- 排屑量大且方便，右排屑式和后排屑式可二选一
- 主轴单元分重切式和高速两种
- 重切式主轴单元适合轴承和齿轮类的加工
- 高速式主轴单元适合高速高精加工
- 丝杠预拉伸结构
- 标配排刀架
- 可选配刀塔

- 45 degrees slant bed CNC lathe
- Higher accuracy Taiwan linear guideways
- Chip conveying capacity is large and convenient, customer could choose
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- The first one is suitable for bearing and gear processing. The second cing type is suitable for the high speed and high precision processing.
- Customers could choose any type of them.
- Screw pre-stretching structure
- Standard Gang type tool standard
- Optional turret

▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	Units	TCK56	TCK63	TCK80
床身上最大回转直径 Swing over bed	mm	560	720	800
最大工件长度 Distance between centers	mm	500/1000	1000/1500/2000/3000	1000/1500/2000/3000
最大切削直径 Max. cutting diameter	mm	350	500	600
主轴通孔直径 Diameter of spindle through hole		65	80	80
主轴端部形式 Spindle nose	mm	A2-6(可选 OptionalA2-8)	A2-8	A2-11
主轴换挡方式 Spindle shift mode		无级 Stepless	无级 Stepless	无级 Stepless
主轴转速范围 Spindle speed range	r/min	50-4500	50-3500	50-3500
卡盘形式 Chuck size	Inch	8 寸中空液压卡盘 8"Hollow hydraulic chuck	10 寸中空液压卡盘 10"Hollow hydraulicchuck	12 寸中空液压卡盘 12"Hollow hydraulic chuck
刀架类型 Turret/tool post		8 工位伺服刀塔 Servo turret 8 position	12 工位伺服刀塔 Servo turret 12 position	
X 轴行程 x axis travel	mm	200	250	250
Z 轴行程 z axis travel	mm	550/1050	1020/1520/2050/3050	1020/1520/2050/3050
X 轴快速进给速度 X axis rapid traverse	m/min	30	12	12
Z 轴快速进给速度 Z axis rapid traverse	m/min	30	16	16
主电机功率 Motor power of spindle	kw	11/15	15/18.5	18.5/22
尾座套筒锥度 Tailstock quill taper	N.m	MT4(Opt.MT5)	MT5	MT6
尾座行程 Tailstock travel	N.m	400/900	900/1400/1900/2900	900/1400/1950/2950
导轨形式 Guide way type		45°斜床身线轨 45° Slant bed linear rail		
机床重量 Net weight	kg	3700/4500	5000/6000/7000/9000	6000/7000/8000/10000

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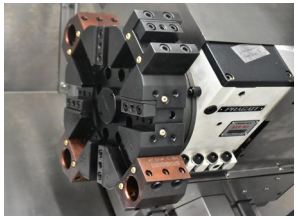
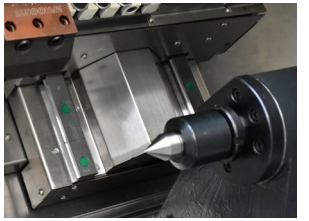
TCK56Y TCK63Y TCK80Y 斜床身数控车床

CNC SLANT-BED LATHE MACHINE





▶ 主要特点 MAIN FEATURES

- 高精度台湾直线导轨
- 高速主轴单元，可选配自制主轴
- 高强度铸铁
- 自动集中润滑
- 整体斜床身

- Higher accuracy Taiwan linear guideways
- Higher speed spindle unit,Optional homemade spindle
- Higher rigidity cast iron
- Integrated automatic lubrication
- One-piece Casting slant bed CNC lathe

该机床适用于加工各种中小型轴类、盘类零件，可以车削各种螺纹、圆弧、圆锥及回转体的内外曲面，广泛应用于水暖器材、阀门、电器、仪表、汽车、摩托车、轴承等行业。

The machine is The machine issuitable to process all kinds of smalland middle-sized shaft and plate workpiece, and could also turn variousthreads, circle arc, circular cone, insideand outside surface of revolved body.This machine is widely used in sanitary,valve, electrical appliance, instrument,automobile, motorcycle,bearings andso on.

▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	Units	TCK56Y	TCK63Y	TCK80Y
床身上最大回转直径 Swing over bed	mm	560	720	800
最大工件长度 Distance between centers	mm	500/1000	1000/1500/2000/3000	1000/1500/2000/3000
最大切削直径 Max.cutting diameter	mm	310	500	600
主轴通孔直径 Diameter of spindle through hole		65	80	80
主轴端部形式 Spindle nose	mm	A2-6(可选 Opt.A2-8)	A2-11(可选 Opt.A2-8)	A2-11(可选 Opt.A2-8)
主轴换挡方式 Spindle shift mode		无级 Stepless	无级 Stepless	无级 Stepless
主轴转速范围 Spindle speed range	r/min	50-4500	2000(3000)	2000(3000)
卡盘形式 Chuck size	Inch	8 寸中空液压卡盘（可选 10 寸 ）8"Hollow hydraulic chuck（Opt.10"）	12 寸中空液压卡盘 12"Hollow hydraulicchuck	12 寸中空液压卡盘 12"Hollow hydraulic chuck
刀架类型 Turret/tool post		12 工位动力刀塔 12 Position power turret		
X 轴行程 x axis travel	mm	200	300	350
Y 轴行程 Y axis travel	mm	±50	±50	±50
Z 轴行程 Z axis travel	mm	450/900	900/1400/1900/2900	900/1400/1900/2900
X 轴快速进给速度 X axis rapid traverse	m/min	30	12	12
Y 轴快速进给速度 Y axis rapid traverse	m/min	12	12	12
Z 轴快速进给速度 Z axis rapid traverse	m/min	30	16	16
主电机功率 Main motor power	kw	11/15	15/18.5（Opt.37）	18.5（Opt.37）
尾座套筒锥度 Tailstock quill taper	N.m	MT4(Opt.MT5)	MT5	MT6
尾座行程 Tailstock travel	N.m	400/900	900/1400/1900/2900	900/1400/1950/2950
导轨形式 Guide way type		斜床身线轨 Slant bed linear rail	斜床身线轨 / 硬轨 Slant bed linear rail/hard guide way	
机床重量 Net weight	kg	4800/6500	6000/7000/8000/10000	7000/8000/9000/11000

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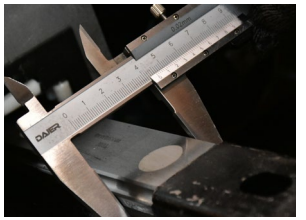
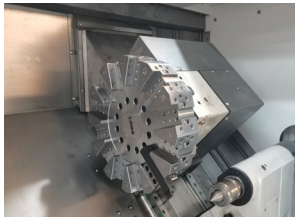
BR-650-750/1000/1500/2000/3000

斜床身数控车床

CNC SLANT BED LATHE MACHINE





▶ 主要特点 MAIN FEATURES

该机床适用于加工各种中小型轴类、盘类零件，可以车削各种螺纹、圆弧、圆锥及回转体的内外曲面，泛应用于水暖器材、阀门、电器、仪表、汽车、摩托车、轴承等行业。

The machine is suitable to process all kinds of small and middle-sized shaft and plate work piece,and could also turn various threads,circle arc,circular cone, inside and outsidesurface of revoved body.This machine is widely used in sanitary, valve\ electrical appliance \ instrument \ automobile \ motoreycle \ bearings and so on.

▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	Units	BR-650/1000/1500	BR-650-1000D/1500D	BR-650-1000DY/1500DY
床面上最大回转直径 Max. turning diameter over bed	mm	Φ650	Φ650	Φ660
最大加工直径 Max. machining diameter	mm	Φ630	Φ550	Φ600
刀架上最大加工直径 Max processing diameter on the tool post	mm	Φ400	Φ400	Φ440
最大加工长度 Max processing length	mm	1000/1500	1000/1500	1000/1500
两顶尖距离 Distance between two centers	mm	1320/1820	1320/1820	1320/1820
X/Z/Y 轴极限行程 X/Z/Y axis limit travel	mm	350/1620	350/1620	350/1620/100(±50)
X/Z/Y 轴连接方式 X/Z/Y axis connection method		直联 Direct	直联 Direct	直联 Direct
主轴头形式 Spindle nose type		A2-8	A2-8	A2-8
可选装液压卡盘 Hydraulic Chuck		标准 10 寸 standard 10 inch（opt 12）	标准 10 寸 standard 10 inch（opt 12）	标准 10 寸 standard 10 inch（opt 12）
推荐主轴电机功 Recommended spindle motor power	kw	11-15KW	11-15KW	11-15KW
主轴最高转速 Spindle speed	rpm	2600rpm	2600rpm	2600rpm
主轴孔直径 Spindle bore diameter	mm	Φ87	Φ87	Φ87
棒料通径 Bar capacity	mm	Φ72	Φ72	Φ72
刀塔类型 Turret type		液压 / 伺服刀塔 12T Servo Turret	BMT55 动力刀塔 BMT55 Power Turret	Y 轴动力刀塔 BMT55 Y axis Power Turret BMT55
套筒直径 Tailstock diameter	mm	Φ100	Φ100	Φ100
套筒行程 Tailstock sleece travel	mm	120	120	120
尾座最大行程 Max. tailstock stroke	mm	1250	1250	1250
尾座套筒锥孔 Tailstock sleeve tapered hole		莫氏 5 号	莫氏 5 号	莫氏 5 号
外形尺寸 Overall dimensions	mm	3170/3670×1180×1700	3170/3670×1180×1700	3236/3736×1480×1870
重量（约重） Weight (approx.)	Kg	5000kg/6000kg	5200kg/6200kg	5300kg/6300kg

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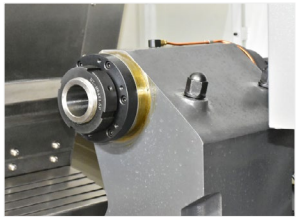
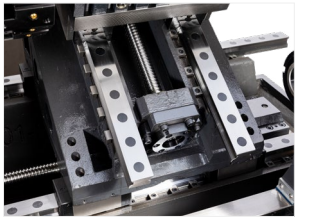
50ZWT 55ZWT 数控斜床身车床

CNC SLANT-BED LATHE MACHINE





▶ 主要特点 MAIN FEATURES

50ZWT 斜床身数控车床采用组合式、模块化设计思路，整体式床身设计结构，符合高精密数控机床的加工需求，具有国内同行业领先的技术和独特的创新。既适合盘类、轴类零件的刚性车削需求，又能满足高精度的车削需求。广泛应用于军工、汽车、医疗、家电等行业。
分体式外置水箱，方便清洁打扫，可选择侧排削或后排削，方便实现机床自动化及生产线。

The 50ZWT inclined bed CNC lathe adopts a combined and modular design idea, and the overall bed design structure meets the processing requirements of high-precision CNC machine tools, and has the leading technology and unique innovation in the domestic industry. It is not only suitable for rigid turning requirements of disc and shaft parts, but also high-precision turning requirements. Widely used in military, automotive, medical, home appliances and other industries.

The split-type external water tank is convenient for cleaning and cleaning. You can choose side cutting or rear cutting, which is convenient for the automation of machine tools and production lines.

▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	Units	50ZWT			55ZWT	
		A2-5	A2-6	A2-8	A2-6	A2-8
床身 Bed frame		整体 30°斜床身 Overall 30° inclined bed			整体 15°斜床身 Overall 15° inclined bed	
床鞍 Saddle		电机轴承座一体式鞍座 Motor bearing seat integrated saddle				
主轴箱 Headstock		平置 Lay flat				
尾座 Tailstock		方轨加 V 轨 Square rail plus V rail				
水箱 Water tank		后置式独立水箱 或 侧置式独立水箱 Rear-mounted independent water tank or side-mounted independent water tank				
排屑机 Chip conveyor		后排屑水箱一体 或 侧排屑水箱分体 Rear chip removal tank integrated or side chip removal tank split				
进给轴电机安装尺寸 Feed axis motor installation dimensions	mm	130mm 法兰 110mm 止口 130mm flange 110mm spigot				
X 轴行程 X-axis travel	mm	260mm-280mm			250mm-280mm	
Z 轴行程 Z-axis travel	mm	510mm			550mm-600mm	
工作台尺寸 Worktable size	mm	350mm×267mm			430mmx340mm	
台面中心高 Countertop center height	mm	110mm				
机床最大回转直径 Max. swing diameter over bed	mm	500mm			550mm	
盘类加工直径 Max. disc type workpiece processing diameter	mm	300mm	350mm	350mm	300mm	
轴类加工直径 × 长度 Shaft machining diameter × length	mm	150mm×500mm	200mm×500mm	250mm×400mm	250mmx420mm	250x500mm
主轴型号 Spindle model		A2-5	A2-6	A2-8	A2-6	A2-8
主轴外径 Spindle outer diameter	mm	170mm	200mm	230mm	200mm	230mm
主轴转速 Spindle speed	rpm	5000rpm	4500rpm	3500rpm	4500rpm	3500rpm
主轴通孔 Spindle bore	mm	56mm	66mm	86mm	66mm	59mm
配用夹具 Equipped with fixture		A2-5/6 寸 Inch	A2-6/8 寸 Inch	A2-8/10 寸 Inch	A2-5/6 寸 Inch	A2-8/10 寸 Inch
尾座结构 Tailstock structure		精密套筒式 Precision sleeve				
尾座移动方式 Tailstock movement		滑动 Slide				
顶尖型号 Top model		莫氏 4 号 MT 4	莫氏 4/5 号 MT4/5	莫氏 5 号 MT 5	莫氏 5 号 MT 5	
套筒外径 Sleeve outer diameter	mm	75mm	95mm	95mm	95mm	
顶尖工作压力 Top job pressure		5-20KG				
顶尖行程 Center travel	mm	100mm				
尾座行程 Tailstock travel	mm	420mm				
卡盘顶尖距离 distance between chuck and center	mm	600mm			650mm	
X 轴重复定位 X-axis repeat positioning	mm	±0.003mm			±0.003mm	
Z 轴重复定位 Z axis repeat positioning	mm	±0.005mm			±0.005mm	
X 轴导轨型号 X-axis guide model		30 滚柱 30 rollers			35 滚柱 35 rollers	
Z 轴导轨型号 Z-axis guide model		35 滚柱 35 rollers			45 滚柱 45 rollers	
X 轴丝杆型号 X-axis screw model		3208/3210			3208/3210	
Z 轴丝杆型号 Z-axis screw model		3210/3208/4010			3206	
丝杆轴承 Screw bearing		2562			2562	
光机尺寸 Machine body size	mm	2200mm×1100mm×1250mm			2300mmx1200mmx1500mm	
含外罩尺寸 Cover size inctused	mm	2650mm×1500mm×1700mm			2650mmx2450mmx1950mm	
光机重量 Machine body weight	kg	3000KG	3050KG	3100KG	3850kg	
整机重量 Total Weight	kg	3200KG	3250KG	3350KG	4250kg	

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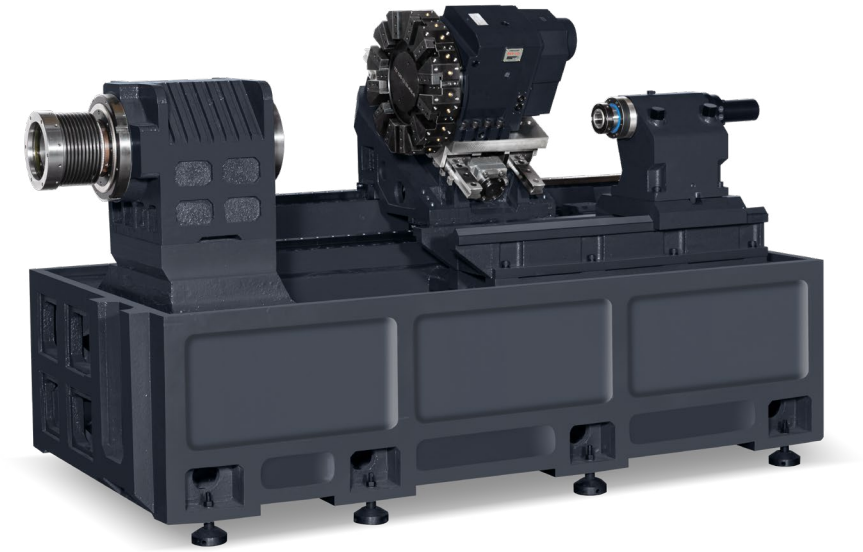
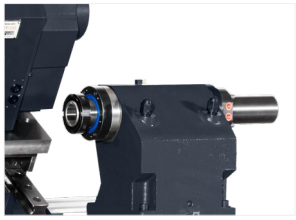
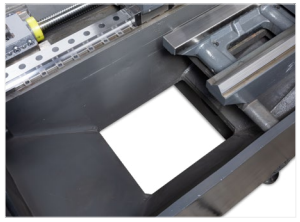
80ZWT 15°斜床身数控车床

15° CNC SLANT-BED LATHE MACHINE







▶ 主要特点 MAIN FEATURES

55ZWYT 斜床身数控车床采用组合式、模块化设计思路，整体式床身设计结构，符合高精密数控机床的加工需求，具有国内同行业领先的技术和独特的创新。既适合盘类、轴类零件的刚性车削需求，又能满足高精度的车削需求。广泛应用于军工、汽车、医疗、家电等行业。

分体式外置水箱，方便清洁打扫，可选择侧排削或后排削，方便实现机床自动化及生产线。

The 55ZWYT inclined bed CNC lathe adopts a combined and modular design idea, and the overall bed design structure meets the processing requirements of high-precision CNC machine tools, and has the leading technology and unique innovation in the domestic industry. It is not only suitable for rigid turning requirements of disc and shaft parts, but also high-precision turning requirements. Widely used in military, automotive, medical, home appliances and other industries.

The split-type external water tank is convenient for cleaning and cleaning. You can choose side cutting or rear cutting, which is convenient for the automation of machine tools and production lines.

▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	Units	80ZWT	
		A2-6	A2-8
床身 Bed frame		高刚性整体 15°阶梯轨床身 High-rigidity overall 15° stepped rail bed	
床鞍 Saddle		阶梯式、电机轴承座一体式鞍座 Step type, motor bearing seat integrated saddle	
主轴箱 Headstock		平置 Lay flat	
尾座 Tailstock		方轨加 V 轨 Square rail plus V rail	
排屑机 Chip conveyor		后排屑水箱一体 Rear chip removal tank integrated	
进给轴电机安装尺寸 Feed axis motor installation dimensions	mm	130mm 法兰 110mm 止口 130mm flange 110mm spigot	
X 轴行程 X-axis travel	mm	350mm	
Z 轴行程 Z-axis travel	mm	850mm	
台面中心高 Countertop center height		145mm	
工作台尺寸 Worktable size	mm	350mm×267mm	
机床最大回转直径 Max. swing diameter over bed	mm	650mm	
盘类加工直径 Max. disc type workpiece processing diameter	mm	500mm	500mm
轴类加工直径 × 长度 Shaft machining diameter × length	mm	300mm×800mm	300mm×800mm
主轴型号 Spindle model		A2-8	A2-11
主轴外径 Spindle outer diameter	mm	230mm	260mm
主轴转速 Spindle speed	rpm	3500rpm	3000rpm
主轴通孔 Spindle bore		86mm	96mm
配用夹具 Equipped with fixture		A2-8/10 寸 Inch	A2-11/12 寸 Inch
尾座结构 Tailstock structure		精密套筒式 Precision sleeve	
尾座移动方式 Tailstock movement		滑动 Slide	
顶尖型号 Center model		莫氏 5 号 Morse 5	
套筒外径 Sleeve outer diameter	mm	95mm	
顶尖工作压力 Tip job pressure	kg	5-20KG	
顶尖行程 Tip travel	mm	100mm	
尾座行程 Tailstock travel	mm	600mm	
卡盘顶尖距离 distance between chuck and center	mm	600mm	600mm
X 轴重复定位 X-axis repeat positioning	mm	±0.003mm	
Z 轴重复定位 Z axis repeat positioning		±0.005mm	
X 轴导轨型号 X-axis guide model		45 滚柱 45 rollers	
Z 轴导轨型号 Z-axis guide model		45 滚柱 45 rollers	
X 轴丝杆型号 X-axis screw model		3208/3210	
Z 轴丝杆型号 Z-axis screw model		4010	
丝杆轴承 Screw bearing		2562	
光机尺寸 Machine body size	mm	2200mm×1250mm×1500mm	
含外罩尺寸 Cover size	mm	3000mm×1500mm×1850mm	
光机重量 Machine body weight	kg	4500KG	
整机重量 Machine Weight		5000KG	

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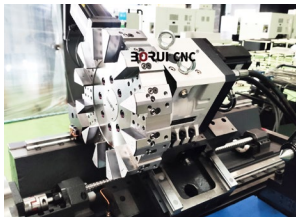
BR-20H-400/500 高精度硬轨斜床身数控车床

HIGH-PRECISION HARD RAIL INCLINED BED CNC LATHE



▶ 主要特点　MAIN FEATURES

- 45°斜床整体结构，具有最佳加工稳定性，且排屑顺畅；
- 一体装配式主轴，采用高刚性轴承结构，确保轴向受力及径向受力；
- 床身采用 HT300 铸件一体成型，能提供较大的防震阻尼及减低变形量，使得机台不但耐用而且具有特别突出的性能表现；
- X、Z 为宽润的硬轨滑道，快速进给率达 20 米 / 分经硬化处理及精密研磨，采用可视化多点集中润滑系统，独特硬轨铲刮装配工艺，且有吸振之功能减少了刀具损耗，提高了工件质量。

- The whole structure of 45 inclined bed has the best processing stability and smooth chip removal;
- The integrated assembled spindle adopts high rigid bearing structure to ensure axial force and radial force;
- The machine bed is made of HT300 casting, which can provide greater shock resistance and reduce deformation, making the machine not only durable but also with outstanding performance.
- X and Z are wide and smooth hard rail slideways, with a fast feed rate of 20m/min. After hardening and precise grinding, a visual multi-point centralized lubrication system is adopted, which has a unique assembly process of hard rail scraping, and has the function of vibration absorption, which reduces tool loss and improves workpiece quality.

▶ 主要参数　PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	BR-20H-400	BR-20H-400D	BR-20H-400DY	BR-20H-500	BR-20H-500D	BR-20H-500DY
床面最大上回转直径 The max. swing diameter over bed	Φ460	Φ600	Φ600	Φ450	Φ630	Φ630
最大加工直径 Max. machining diameter	Φ400（Φ460；280 cutterhead）	Φ450	Φ400	Φ350	Φ380	Φ380
刀架上最大加工直径 Max. swing diameter over tool post	Φ260	Φ350	Φ340	Φ300	Φ350	Φ380
最大加工长度 Max. processing length	400mm	350mm	360mm	520mm	465mm	500mm
两顶尖距离 Distance between centers	420mm	——	——	——	——	——
主轴头形式（可选卡盘）Spindle nose type（optional Chuck）	A2-6（8"）	A2-6（8"）	A2-6（8"）	A2-6（8"）	A2-6（8"）	A2-6（8"）
推荐主轴电机功率 Spindle motor power	11-15KW	11-15KW	11-15KW	15KW	15KW	11-15KW
主轴最高转速 Spindle speed	3000rpm	3000rpm	3000rpm	4000rpm	3000rpm	3000rpm
主轴孔直径 Spindle through hole diameter	Φ61	Φ61	Φ61	Φ66	Φ66	Φ61
棒料通径 Through the bar diameter	Φ52	Φ52	Φ52	Φ52	Φ52	Φ52
主轴电机安装形式 Spindle motor mounting form	——	——	——	立式法兰 Vertical flange	立式法兰 Vertical flange	——
X/Z 轴丝杆规格 X/Z axis lead screw specification	3210/3210	3210/3210	3210/3210	3210/4010	3210/4010	3210/4010
Y 轴丝杆规格 Y-axis lead screw specification	——	——	2508	——	——	3210
X 轴极限行程 X-axis limit travel	245mm	245mm	255mm	220mm	220mm	230mm
Y 轴极限行程 Y-axis limit travel	——	——	60(±30)	——	——	60(±30)
Z 轴极限行程 Z-axis limit travel	420	420	500	560	560	500
X 轴电机扭矩 X-axis motor torque	11N.M	11N.M	11N.M	11N.M	11N.M	11N.M
Y 轴电机扭矩 Y-axis motor torque	——	——	7 N.M	——	——	11N.M
Z 轴电机扭矩 Z-axis motor torque	15N.M	15N.M	11N.M	11N.M	15N.M	11N.M
X/Z 轴直线导轨规格 X/Z axis linear guide specifications	——	——	Hard Way	Hard Way	Hard Way	Hard Way
Y 轴直线导轨规格 Y axis linear guide specifications	——	——	Hard Way	——	——	Hard Way
Z 轴极限行程 Z-axis limit travel	420mm	420mm	500mm	560mm	560mm	500mm
Z 轴电机转矩 Z-axis motor torque	15N.M	15N.M	11N.M	11N.M	15N.M	11N.M
X/Z 轴连接方式 X/Z axis connection type	直联 Direct connection	直联 Direct connection	直联 Direct connection	直联 Direct connection	直联 Direct connection	直联 Direct connection
Y 轴连接方式 Y-axis connection type	——	——	直联 Direct connection	——	——	直联 Direct connection
刀塔 Turret	H80	SHD20U-330	Y 轴硬轨动力塔 Y axis hard rail power tower	——	BMT55-350	TCSDY80H-12T-330
刀塔中心高尺寸 Turret center height size	80mm	80mm、100mm	——	145mm	100mm	——
套筒直径 Tower station	8T/12T	——	15T	10T	12T	12T
动力头规格 Power head specification	——	——	BMT40/ER20	——	——	BMT55/ER32
动力头速度 Power head speed	——	——	3000rpm	——	——	3000rpm
动力头电机功率 Power head motor power	——	——	2.5KW	——	——	2.5KW
动力头与电机传动比 Power head to motor ratio	——	——	1 ： 1	——	——	1 ： 1
套管直径 Sleeve diameter	75mm	75mm	75mm	75mm	75mm	75mm
套筒行程 Sleeve travel	80mm	80mm	80mm	80mm	80mm	80mm
尾座最大行程 Max. tailstock travel	300mm	300mm	300mm	——	——	400mm
尾座套筒锥孔 Tailstock sleeve taper	MT4	MT4	MT4	MT4	MT4	MT4
床身形式及斜度 Bed type and inclination	Integrated/45°	Integrated/45°	Integrated/45°	Integrated/45°	Integrated/45°	Integrated/45°
外型尺寸（长 × 宽 × 高） Machine size（L * W * H）	1850x1020x1500	1850x1020x1500	2110x1280x1750	2770x1835x1770	2770x1835x1770	2850x1835x1770

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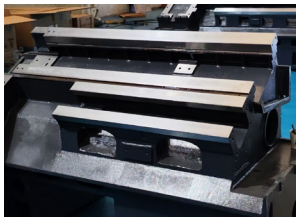
BR-25H(A) 高精度重型硬轨斜床身数控车床

HIGH-PRECISION HEAVY-DUTY HARD RAIL SLANT BED CNC LATHE MACHINE



▶ 主要特点 MAIN FEATURES

- 一体装配式主轴，采用高刚性轴承结构，确保轴向受力及径向受力；
- 床身采用 HT300 铸件一体成型，能提供较大的防震阻尼及减低变形量，使得机台不但耐用而且具有特别突出的性能表现；
- X、Z 为宽润的硬轨滑道，快速进给率达 20 米 / 分经硬化处理及精密研磨，采用可视化多点集中润滑系统，独特硬轨铲刮装配工艺，且有吸振之功能减少了刀具损耗，提高了工件质量。

- The integrated assembled spindle adopts high rigid bearing structure to ensure axial force and radial force;
- The machine bed is made of HT300 casting, which can provide greater shock resistance and reduce deformation, making the machine not only durable but also with outstanding performance.
- X and Z are wide and smooth hard rail slideways, with a fast feed rate of 20m/min. After hardening and precise grinding, a visual multi-point centralized lubrication system is adopted, which has a unique assembly process of hard rail scraping, and has the function of vibration absorption, which reduces tool loss and improves workpiece quality.

▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	BR-25H -750	BR-25HA -750	BR-25H -1000	BR-25HA -1000	BR-25H-1500	BR-25HA -1500	BR-25H -2000	BR-25HA -2000	BR-25H -3000	BR-25HA -3000
床面最大上回转直径 Max. swing diameter over bed	Φ730									
最大加工直径 Max. machining diameter	Φ640(Only 440 cutter head）仅限 440 刀盘									
刀架上最大加工直径 Max. swing diameter over cross slide	Φ440									
最大加工长度 Max. processing length	740mm	680mm	1020mm	960mm	1640mm	1580	2240	2180	3140	3080
主轴头形式 Spindle type	A2-8	A2-11	A2-8	A2-11	A2-8	A2-11	A2-8	A2-11	A2-8	A2-11
可选用卡盘（特殊配置）Optional chuck（optional)accessories）	10”（12”）	12”（15”）	10”（12”）	12”（15”）	10”（12”）	12”（15”）	10”（12”）	12”（15”）	10”（12”）	12”（15”）
推荐主轴电机功率 Spindle motor power	15/18.5KW									
主轴最高转速 Spindle speed	2500rpm	1800rpm	2500rpm	1800rpm	2500rpm	1800rpm	2500rpm	1800rpm	2500rpm	1800rpm
主轴孔直径 Spindle bore	Φ87	Φ102	Φ87	Φ102	Φ87	Φ102	Φ87	Φ102	Φ87	Φ102
棒料通径 Through the bar diameter	Φ75	Φ91	Φ75	Φ88	Φ75	Φ88	Φ75	Φ88	Φ75	Φ88
X/Z 轴丝杆规格 X/Z axis lead screw specification	4008/5010									
X/Z 轴导轨规格 X/Z axis linear guide specification	硬轨 Hard Way									
X/Z 轴极限行程 X/Z axis limit travel	330mm/940mm		330mm/1240mm		330mm/1840mm		330mm/2440mm		330mm/3340mm	
X/Z 轴电机扭矩 X/Z axis motor torque	22 N.M/22 N.M									
X /Z 轴连接方式 X/Z axis connection type	直联 Direct connection									
可选装刀塔（特殊配置）Turret	NC125、SH125									
工位数 Tower station	10T/12T									
推荐刀塔中心高尺寸 Turret center height size	125mm									
套筒直径 Sleeve diameter	100mm									
套筒行程 Sleeve travel	80mm									
尾座最大行程 Tailstock max.travel	785mm		1085mm		1685mm		2285mm		3185mm	
尾座套筒锥孔 Tailstock sleeve taper	MT5									
床身斜度 Bed type and inclination	Integrated/30°									
尺寸 Machine size（L * W * H)	2940/1503/1554		3240/1503/1554		3840/1503/1554		4440/1503/1554		5340/1503/1554	

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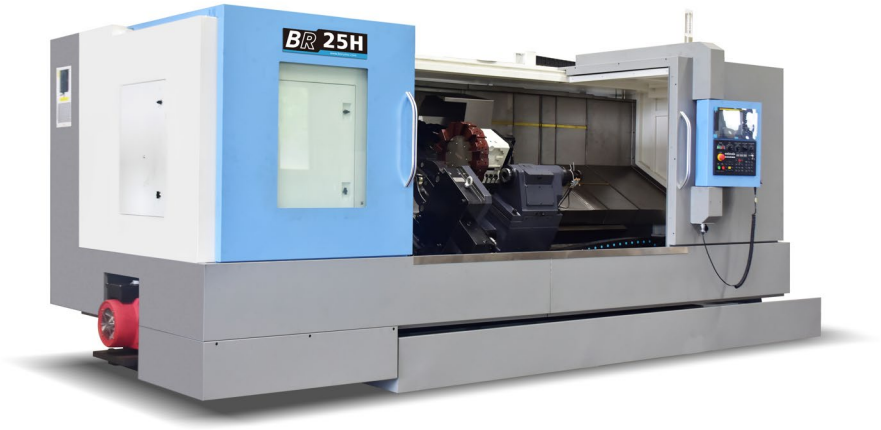
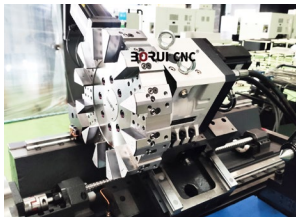
BR-25H(A)-D 高精度重型硬轨斜床身数控车床 / 车削中心

HIGH-PRECISION HEAVY-DUTY HARD RAIL SLANT BED CNC LATHE MACHINE





▶ 主要特点 MAIN FEATURES

- 一体装配式主轴，采用高刚性轴承结构，确保轴向受力及径向受力；
- 床身采用 HT300 铸件一体成型，能提供较大的防震阻尼及减低变形量，使得机台不但耐用而且具有特别突出的性能表现；
- X、Z 为宽润的硬轨滑道，快速进给率达 20 米 / 分经硬化处理及精密研磨，采用可视化多点集中润滑系统，独特硬轨铲刮装配工艺，且有吸振之功能减少了刀具损耗，提高了工件质量。

- The integrated assembled spindle adopts high rigid bearing structure to ensure axial force and radial force;
- The machine bed is made of HT300 casting, which can provide greater shock resistance and reduce deformation, making the machine not only durable but also with outstanding performance.
- X and Z are wide and smooth hard rail slideways, with a fast feed rate of 20m/min. After hardening and precise grinding, a visual multi-point centralized lubrication system is adopted, which has a unique assembly process of hard rail scraping, and has the function of vibration absorption, which reduces tool loss and improves workpiece quality.

▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	BR-25H-750D	BR-25HA-750D	BR-25H-1000D	BR-25HA-1000D	BR-25H-1500D	BR-25HA-1500D	BR-25H-2000D	BR-25HA-2000D	BR-25H-3000D	BR-25HA-3000D
床面最大上回转直径 Max. swing diameter over bed	Φ730									
最大加工直径 Max. machining diameter	Φ560									
刀架上最大加工直径 Max. processing diameter over cross slide	Φ440									
最大加工长度 Max. processing length	630mm	570mm	930mm	870mm	1530mm	1470mm	2120mm	2070mm	3020mm	2960mm
主轴头形式 Spindle end type	A2-8	A2-11	A2-8	A2-11	A2-8	A2-11	A2-8	A2-11	A2-8	A2-11
可选用卡盘 (特殊配置) Optional chuck (Special Configurations)	10 "(12")	12 "(15")	10 "(12 ")	12 "(15")	10 "(12 ")	12 "(15")	10 "(12 ")	12"(15 ")	10 "(12")	12 "(15")
推荐主轴电机功率 Main motor power	15/18.5KW									
主轴最高转速 Spindle speed	2500rpm	1800rpm	2500rpm	1800rpm	2500rpm	1800rpm	2500rpm	1800rpm	2500rpm	1800rpm
主轴孔直径 Spindle bore	Φ87	Φ102	Φ87	Φ102	Φ87	Φ102	Φ87	Φ102	Φ87	Φ102
棒料通径 Through the bar diameter	Φ75	Φ91	Φ75	Φ88	Φ75	Φ88	Φ75	Φ88	Φ75	Φ88
X/Z 轴丝杆规格 X/Z axis lead screw specification	4008/5010									
X/Z 轴导轨规格 X/Z axis linear guide specification	硬轨 Hard Way									
X/Z 轴极限行程 X/Z axis limit travel	330mm/940mm		330mm/1240mm		330mm/1840mm		330mm/2440mm		330mm/3340mm	
X/Z 轴电机扭矩 X/Z axis motor torque	22 N.M/22 N.M									
X / Z 轴连接方式 X/Z axis connection type	直连 Direct connection									
刀塔 Turret	BMT65-380、SHD25BR-380									
工位数 Tower station	12T									
动力头规格 Power head specification	BMT65/ER32									
动力头转速 Power head speed	3000rpm									
推荐刀塔中心高尺寸 Turret center height size	125mm									
套筒直径 Sleeve diameter	100mm									
套筒行程 Sleeve travel	80mm									
尾座最大行程 Tailstock max.travel	785mm		1085mm		1685mm		2285mm		3185mm	
尾座套筒锥孔 Tailstock sleeve taper	MT5									
床身斜度 Bed type and inclination	整体式 Integrated/30°									
尺寸 Machine size (L * W * H)	2940/1503/1554		3240/1503/1554		3840/1503/1554		4440/1503/1554		5340/1503/1554	

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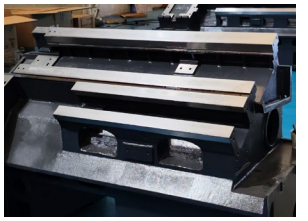
BR-25H(A)-DY 高精度重型硬轨斜床身数控车床 / 车铣复合中心

BR-25H(A)-DY HIGH-PRECISION HEAVY-DUTY HARD RAIL SLANT BED CNC LATHE MACHINE



▶ 主要特点　MAIN FEATURES

- 一体装配式主轴，采用高刚性轴承结构，确保轴向受力及径向受力；
- 床身采用 HT300 铸件一体成型，能提供较大的防震阻尼及减低变形量，使得机台不但耐用而且具有特别突出的性能表现；
- X、Z 为宽润的硬轨滑道，快速进给率达 20 米 / 分经硬化处理及精密研磨，采用可视化多点集中润滑系统，独特硬轨铲刮装配工艺，且有吸振之功能减少了刀具损耗，提高了工件质量。

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▶ 主要参数　PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	BR-25H-750DY	BR-25HA-750DY	BR-25H-1000DY	BR-25HA-1000DY	BR-25H-1500DY	BR-25HA-1500DY	BR-25H-2000DY	BR-25HA-2000DY	BR-25H-3000DY	BR-25HA-3000DY
床面最大上回转直径 Max. swing diameter over bed	Φ920									
最大加工直径 Max. machining diameter	Φ600									
刀架上最大加工直径 Max. processing diameter over cross slide	Φ600									
最大加工长度 Max. processing length	650mm	590mm	950mm	890mm	1550mm	1490mm	2100mm	2040mm	3040mm	2980mm
主轴头形式 Spindle end type	A2-8	A2-11	A2-8	A2-11	A2-8	A2-11	A2-8	A2-11	A2-8	A2-11
可选用卡盘 (特殊配置) Optional chuck (Special Configurations)	10”（12”）	12”（15”）	10”（12”）	12”（15”）	10”（12”）	12”（15”）	10”（12”）	12”（15”）	10”（12”）	12”（15”）
主轴电机功率 Main motor power	15/18.5KW									
主轴最高转速 Max. spindle speed	2500rpm	1800rpm	2500rpm	1800rpm	2500rpm	1800rpm	2500rpm	1800rpm	2500rpm	1800rpm
主轴孔直径 Spindle bore diameter	Φ87	Φ102	Φ87	Φ102	Φ87	Φ102	Φ87	Φ102	Φ87	Φ102
棒料通径 Through the bar diameter	Φ75	Φ91	Φ75	Φ88	Φ75	Φ88	Φ75	Φ88	Φ75	Φ88
X/Z/Y 轴丝杆规格 X/Z/Y axis lead screw specification	4008/5010									
X/Z/Y 轴导轨规格 X/Z/Y axis linear guide specification	硬轨 Hard Way									
X/Z/Y 轴极限行程 X/Z/Y axis limit travel	330/940/120(±60)		330/1240/120(±60)		330/1840/120(±60)		330/2440/120(±60)		330/3340/120(±60)	
X/Z/Y 轴电机扭矩 X/Z/Y axis motor torque	22 N.M/22 N.M/15N.M									
X/Z/Y 轴连接方式 X/Z/Y axis connection type	直联 / 直联 / 同步轮 Direct connection/Direct connection/Synchronizing wheel									
可选装刀塔（特殊配置）Turret	SHD25BR-380(BMT65-380)									
工位数 Tower station	12T									
动力头规格 Power head specification	BMT65/ER32									
动力头转速 Power head speed	3000rmp									
推荐刀塔中心高 Turret center height	125mm									
动力头与刀座传动比 Ratio of power head to motor	1:1									
刀塔中心高尺寸 Turret center height size	125mm									
套筒直径 Sleeve diameter	100mm									
套筒行程 Sleeve travel	80mm									
尾座最大行程 Max. tailstock travel	785mm		1085mm		1685mm		2285mm		3185mm	
尾座套筒锥孔 Tailstock sleeve taper	MT5									
床身斜度 Bed type and inclination	Integrated/30°									
尺寸 Machine size（L * W * H）	2940/1503/1950		3240/1503/1950		3840/1503/1950		4440/1503/1950		5340/1503/1950	

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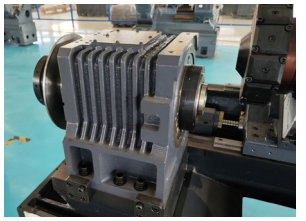
BR150L BR150LA BR150DY BR150LADY
紧凑型精密斜床身数控车床
COMPACT PRECISION INCLINED BED CNC LATHE



▶ 主要特点 MAIN FEATURES

采用 30°斜式整体布局，床身底座一体化结构，高强度 HT300 铸件；
X、Z 为宽润的硬轨滑道，快速进给率达 20 米 / 分经硬化处理及精密研磨，采用可视化多点集中润滑系统；
整机设计紧凑合理，可实现侧排及后排屑，大大的减小占地面积，可实现多机连线自动化生产。

Adopting 30° inclined overall layout, integrated structure of bed and base, high-strength HT300 castings.
X, Z for the wide wet hard rail slideway, fast feed rate of 20 m / min by hardening treatment and precision grinding, the use of visualization of multi-point centralized lubrication system.
Compact and reasonable design of the whole machine can realize side and rear chip discharge, greatly reducing the floor space, and can realize multi-machine line automation production.

▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	BR-150L	BR-150LA	BR-150DY	BR-150LADY(A2-6)
床面最大上回转直径 Max. swing diameter over bed	Φ510		Φ510	
最大加工直径 Max. machining diameter	Φ250		Φ250	
刀架上最大加工直径 Max. processing diameter over cross slide	Φ150		Φ150	
最大加工长度 Max. processing length	260	245	235	225
主轴头形式 Spindle end type	A2-5（6 ″）	A2-6（8 ″）	A2-5（6 ″）	A2-6（8 ″）
可选用卡盘 (特殊配置) Optional chuck（Special Configurations）	10 ”（12 ”）	12 ”（15 ”）	10 ”（12 ”）	12 ”（15 ”）
主轴电机功率 Main motor power	5.5 ～ 7.5KW	7.5 ～ 11KW	5.5 ～ 7.5KW	5.5 ～ 7.5KW
主轴最高转速 Max. spindle speed	4500rpm	3500rpm	4500rpm	3500rpm
主轴孔直径 Spindle bore diameter	Φ56	Φ66	Φ56	Φ66
棒料通径 Through the bar diameter	Φ45	Φ52	Φ45	Φ52
X/Z 轴丝杆规格 X/Z axis lead screw specification	3208/3210			
Y 轴丝杆规格 Y axis lead screw specification	——		2508	
X/Z 轴线性导轨规格 X/Z axis linear guide specifications	35/35		35/35	
Y 轴线性导轨规格 Y axis linear guide specifications	——		25	
X/Z 轴极限行程 X/Z axis limit travel	135/370		135/370	
Y 轴极限行程 Y axis limit travel	——		60(±30)	
X/Z 轴电机扭矩 X/Z axis motor torque	11N.M/11N.M		11N.M/11N.M	
Y 轴电机扭矩 Y axis motor torque	——		7 N.M	
X/Z 轴连接方式 X/Z axis connection type	Direct connection		Direct connection	
刀塔 Turret	SH80-825-280		——	
工位数 Tower station	12T		12T	
动力刀塔 Power station turret	——		Y-axis power tower	
动力头规格 Power head specification	——		BMT40/ER20	
动力头转速 Power head speed	——		3000rpm	
动力头电机功率 Power head motor	——		2.5Kw	
动力头与电机的传动比 Power head to motor ratio	——		1 ： 1	
刀塔中心高 Turret center height	80mm		——	
床身形式及斜度 Bed type and inclination	Integrated/30°		Integrated/30°	
外型尺寸 Machine size（L * W * H）	1430×1025×1380		1430×1025×1470	

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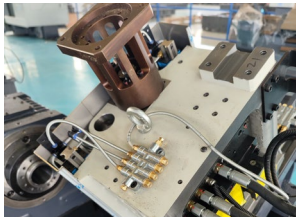
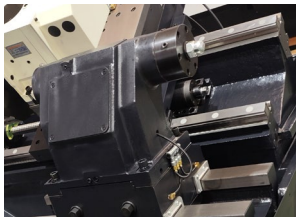
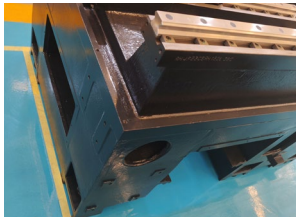
BR160L BR160LA BR160LD BR160LAD BR160LDY BR160LADY 高精度线轨斜床身数控车床

HIGH-PRECISION LINEAR GUID RAIL CNC SLANT BED LATHE MACHINE







▶ 主要特点 MAIN FEATURES

- 采用 30°斜式整体布局，床身底座一体化结构；
- 高强度 HT300 铸件，组织致密，强度好，硬度恰当，磨擦系数低；
- 具有自润性，底座床身整体型箱结构，大大增强了机床的整体刚性和稳定性，且有吸振之功能，减少了刀具损耗，提高了工件质量；
- 整机布局紧凑合理，其高转速、高精度、高刚性和丰富的配置，为用户在使用中提供了高效率和高可靠性的保证。

- Adopt 30 inclined overall layout and integrated structure of bed base;
- High-strength HT300 casting has compact structure, good strength, appropriate hardness and low friction coefficient;
- With self-lubrication, the integral box structure of the base bed greatly enhances the overall rigidity and stability of the machine tool, and has the function of absorbing vibration, reducing tool loss and improving workpiece quality;
- The layout of the whole machine is compact and reasonable, and its high speed, high precision, high rigidity and rich configuration provide users with high efficiency and high reliability in use.

▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	BR160L	BR160LA	BR160LD	BR160LAD	BR-160LDY	BR-160LADY
床身最大回转直径 Max.swing over bed	ϕ500mm				ϕ700mm	
拖板上最大回转直径 Max.swing over carriage	ϕ200mm				ϕ300mm	
最大车削直径 Max.turning diameter	ϕ350mm				ϕ450mm	
最大加工长度 Max,cutting length	380mm	360mm	330mm	310mm	320mm	300mm
主轴端部 Spindle nose	A2-5	A2-6	A2-5	A2-6	A2-5	A2-6
主轴通孔直径 Spindle borer	ϕ56mm	ϕ67mm	ϕ56mm	ϕ67mm	ϕ56mm	ϕ67mm
卡盘 Chuck	6 inch	8 inch	6 inch	8 inch	6 inch	8 inch
主轴转速范围 Spindle speed Range	6000 rpm	4200 rpm	6000 rpm	4200 rpm	6000 rpm	4200 rpm
X 轴行程 X axis travel	250mm					
Y 轴行程 Y axis travel	——	——	——	——	60mm(±30)	
Z 轴行程 Z axis travel	420mm					
X/Z 轴快移速度 X/Z Rapid speed	30m/min					
X/Z 线轨 Linear Guide	35 Ball/Roller					
X/Z 丝杆规格 X/Z lead screw specifications	ϕ32mm*10mm（3210）					
X/Z 重复定位精准 X/Z REPOSITION ACCURACY	X axis ≦ 0.006mm Z axis ≦ 0.006mm					
刀架工位数 Station of tool holder	8 T/12 T Servo Turret		12T Power Turret			
刀具最大截面 Max. section of tool	25mm×25mm(ϕ40mm)					
尾座行程 max.tailstock travel	300mm					
尾座套筒直径 / 锥度 / 行程 tailstock sleeve Dia./taper/travel	ϕ65/MT4/80					
主电机功率 Main motor power	7.5KW	11KW	7.5KW	11KW	7.5KW	11KW
冷却泵功率 Coolant pump power	90W					
推荐 Z 轴电机扭矩 Recommended Z-axis motor torque	15N.M					
推荐 X 轴电机扭矩 Recommended X-axis motor torque	10N.M					
外形尺寸 Overall dimensions(L*W*H)	2300*1650*2250mm		2300*1650*2250mm		2300*1650*2250mm	
净重 Net weight	2600 kg		2650 kg		2750 kg	

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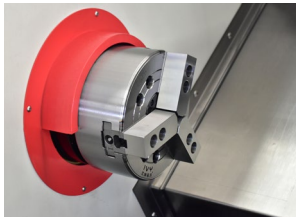
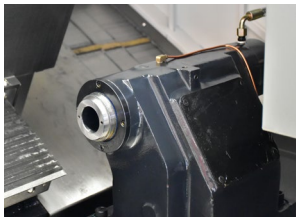
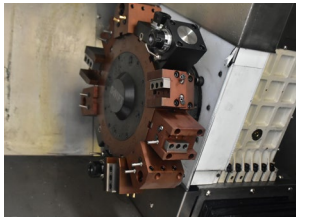
BR200L BR200LA BR200LD BR200LAD BR200LDY BR200LADY 高精度线轨斜床身数控车床

HIGH-PRECISION LINEAR WAY CNC SLANT BED LATHE MACHINE







▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	BR-200L	BR-200LA	BR-200LD	BR-200LAD	BR-200LDY	BR-200LADY
床面最大上回转直径 Max. swing diameter over bed	Φ560		Φ660		Φ650	
最大加工直径 Max. machining diameter	Φ460		Φ380		Φ420	
刀架上最大加工直径 Max. swing diameter over cross slide	Φ200		Φ200		Φ200	
最大加工长度 Max. processing length	540	500	450	410	450	410
主轴头形式 Spindle end type	A2-6（8”）	A2-8（10”）	A2-6（8”）	A2-8（10”）	A2-6（8”）	A2-8（10”）
主轴电机功率 Spindle motor power	11KW	15KW	11KW	15KW	11KW	15KW
主轴最高转速 Spindle speed	4000rpm	2500rpm	4000rpm	2500rpm	4000rpm	2500rpm
主轴通孔直径 Spindle through hole diameter	Φ66	Φ87	Φ66	Φ87	Φ66	Φ87
棒料通径 Through the bar diameter	Φ52	Φ75	Φ52	Φ75	Φ52	Φ75
X/Z 轴丝杆规格 X/Z axis lead screw specifications	3210/4010		3210/4010		3210/4010	
Y 轴丝杆规格 Y axis lead screw specifications	--		--		2108	
X/Z 轴线轨规格 X/Z axis linear guide specifications	45/45		45/45		45/45	
Y 轴线轨规格 Y axis linear guide specification	--		--		Hard rail	
X/Z 轴极限行程 X/Z axis limit travel	230/610		230/610		230/610	
Y 轴极限行程 Y axis limit travel					60(±50)	
X/Z 轴电机扭矩 X/Z axis motor torque	11N.M/11N.M		11N.M/11N.M		11N.M/11N.M	
Y 轴电机扭矩 Y axis motor torque					11N.M	
X/Z/Y 轴连接类型 X/Z /Y axis connection type	Direct connection		Direct connection		Direct connection	
刀塔 Turret	H100		BMT55/ER25			
工位数 Tower station	8T/10T/12T		12T		12T	
动力塔 Power tower	--		--		Y-axis power tower	
动力头规格 Power head specification	--		--		BMT45/ER25	
动力头转速 Power head speed	--		--		3000rpm	
动力头电机功率 Power head motor power	--		--		2.5Kw	
动力头与电机传动比 Transmission ratio of power axis and tool apron			--		1:1	
刀塔中心高尺寸 Turret center height size	100		100			
套筒直径 Sleeve diameter	80					
套筒行程 Sleeve travel	80					
尾座最大行程 Tailstock max. travel	450					
尾座套筒锥孔 Tailstock sleeve taper	MT40					
床身形式及斜度 Bed type and inclination	Integrated/30°		Integrated/30°		Integrated/30°	
外型尺寸 Machine size（L * W * H)	1730×1273×1328		1730×1273×1328		1730×1273×1700	

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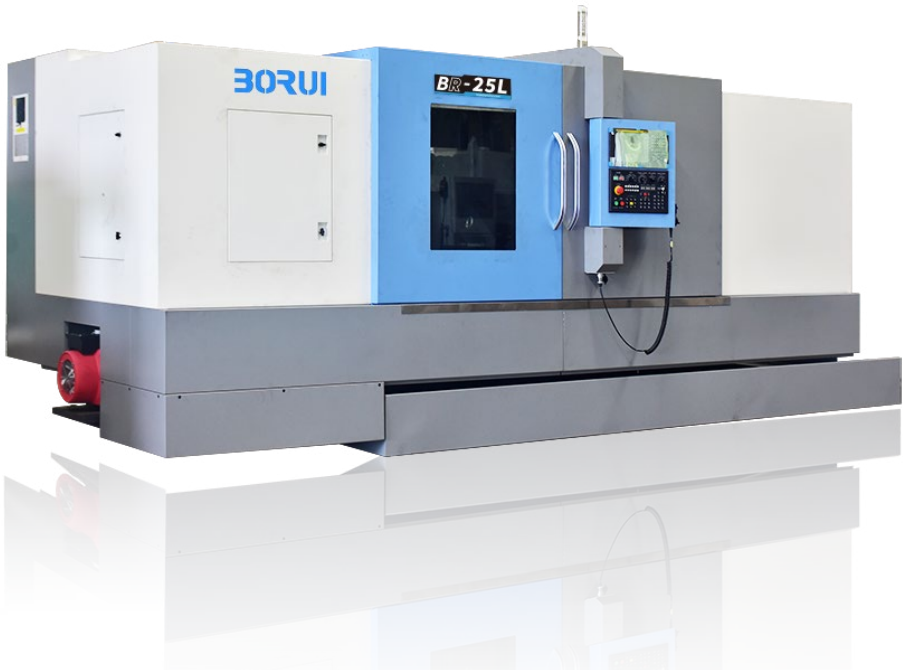
▶ 主要特点 MAIN FEATURES

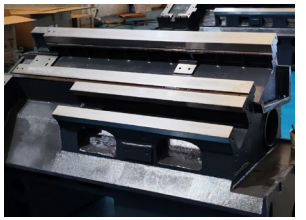
- 床身采用 HT300 铸铁一体成型 30°斜床式结构；
- 宽大四方床身，搭配 45/45 精密线性导轨；
- 主轴箱体与尾座水平结构，更稳定，刚性更好

- The bed adopts HT300 cast iron integrated 30 inclined bed structure;
- Wide square bed with 45/45 precision linear guide rail;
- The horizontal structure of spindle box and tailstock is more stable and rigid.

BR-25L(A) 高精度线轨斜床身数控车床

HIGH-PRECISION LINEAR GUID RAIL CNC SLANT BED LATHE MACHINE





▶ 主要特点 MAIN FEATURES

- 一体装配式主轴，采用高刚性轴承结构，确保轴向受力及径向受力；
- 床身采用 HT300 铸件一体成型，能提供较大的防震阻尼及减低变形量，使得机台不但耐用而且具有特别突出的性能表现；
- 床身采用 HT300 铸铁一体成型 30°斜床式结构；

- The integrated assembled spindle adopts high rigid bearing structure to ensure axial force and radial force;
- The machine bed is made of HT300 casting, which can provide greater shock resistance and reduce deformation, making the machine not only durable but also with outstanding performance.
- The bed adopts HT300 cast iron integrated 30 inclined bed structure;

▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	BR-25L- 750	BR-25LA-750	BR-25L- 1000	BR-25LA-1000	BR-25L- 1500	BR-25LA-1500	BR-25L- 2000	BR-25LA-2000
床面最大上回转直径 Max. swing diameter over bed	Φ830							
最大加工直径 Max. machining diameter	Φ620							
刀架上最大加工直径 Max. swing diameter over cross slide	Φ460							
最大加工长度 Max. processing length	650mm	490mm	950mm	890mm	1550mm	1490mm	2150mm	2090mm
主轴头形式 Spindle end type	A2-8	A2-11	A2-8	A2-11	A2-8	A2-11	A2-8	A2-11
可选用卡盘（特殊配置）Optional chuck（optional）accessories)	10”（12”）	12”（15”）	10”（12”）	12”（15”）	10”（12”）	12”（15”）	10”（12”）	12”（15”）
推荐主轴电机功率 Spindle motor power	15/18.5KW							
主轴最高转速 Spindle speed	2500rpm	1800rpm	2500rpm	1800rpm	2500rpm	1800rpm	2500rpm	1800rpm
主轴孔直径 Spindle bore	Φ87	Φ102	Φ87	Φ102	Φ87	Φ102	Φ87	Φ102
棒料通径 Through the bar diameter	Φ75	Φ91	Φ75	Φ88	Φ75	Φ88	Φ75	Φ88
X/Z 轴丝杆规格 X/Z axis lead screw specification	4008/5010							
X/Z 轴线性导轨规格 X/Z axis linear guide specifications	45/45							
X/Z 轴极限行程 X/Z axis limit travel	330mm/930mm		330mm/1230mm		330mm/1830mm		330mm/2430mm	
X/Z 轴电机扭矩 X/Z axis motor torque	22 N.M/22 N.M							
X /Z 轴连接方式 X/Z axis connection type	直联 Direct connection							
可选装刀塔（特殊配置）Turret	NC125、SH125							
工位数 Tower station	10T/12T							
推荐刀塔中心高尺寸 Turret center height size	125mm							
套筒直径 Sleeve diameter	100mm							
套筒行程 Sleeve travel	80mm							
尾座最大行程 Tailstock max.travel	785mm		1085mm		1685mm		2285mm	
尾座套筒锥孔 Tailstock sleeve taper	MT5							
床身斜度 Bed type and inclination	Integrated/30°							
外形尺寸 Machine size（L * W * H）	2760/1510/1580		3360/1510/1580		3960/1510/1580		4560/1510/1580	

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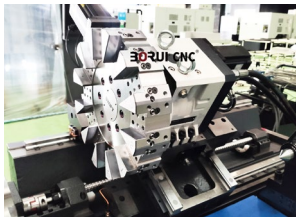
BR-25L(A)-D 高精度线轨斜床身数控车床 / 车削中心

HIGH-PRECISION LINEAR GUID RAIL CNC SLANT BED LATHE MACHINE



▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	BR-25L- 750D	BR-25LA-750D	BR-25L-1000D	BR-25LA-1000D	BR-25L-1500D	BR-25LA-1500D	BR-25L-2000D	BR-25LA-2000D
床面最大上回转直径 Max. swing diameter over bed	Φ830							
最大加工直径 Max. machining diameter	Φ620							
刀架上最大加工直径 Max. swing diameter over cross slide	Φ460							
最大加工长度 Max. processing length	610mm	550mm	910mm	850mm	1510mm	1450mm	2110mm	2050mm
主轴头形式 Spindle end type	A2-8	A2-11	A2-8	A2-11	A2-8	A2-11	A2-8	A2-11
可选用卡盘 (特殊配置) Optional chuck (optional) accessories)	10”（12”）	12”（15”）	10”（12”）	12”（15”）	10”（12”）	12”（15”）	10”（12”）	12”（15”）
推荐主轴电机功率 Spindle motor power	15/18.5KW							
主轴最高转速 Spindle speed	2500rpm	1800rpm	2500rpm	1800rpm	2500rpm	1800rpm	2500rpm	1800rpm
主轴孔直径 Spindle bore	Φ87	Φ102	Φ87	Φ102	Φ87	Φ102	Φ87	Φ102
棒料通径 Through the bar diameter	Φ75	Φ91	Φ75	Φ88	Φ75	Φ88	Φ75	Φ88
X/Z 轴丝杆规格 X/Z axis lead screw specifications	4008/5010							
X/Z 轴线性导轨规格 X/Z axis linear guide specifications	45/45							
X/Z 轴极限行程 X/Z axis limit travel	330mm/930mm		330mm/1230mm		330mm/1830mm		330mm/2430mm	
X/Z 轴电机扭矩 X/Z axis motor torque	22 N.M/22 N.M							
X / Z 轴连接方式 X/Z axis connection type	直连 Direct connection							
可选装刀塔（特殊配置） Turret	SHD25-380							
工位数 Tower station	12T							
动力头规格 Power head specification	BMT65/ER32							
动力头转速 Power head speed	3000rpm							
推荐刀塔中心高尺寸 Turret center height size	125mm							
套筒直径 Sleeve diameter	100mm							
套筒行程 Sleeve travel	80mm							
尾座最大行程 Tailstock max.travel	785mm		1085mm		1685mm		2485mm	
尾座套筒锥孔 Tailstock sleeve taper	MT5							
床身斜度 Bed type and inclination	整体式 Integrated/30°							
尺寸 Machine size (L * W * H)	2760/1510/1610		3360/1510/1610		3960/1510/1580		3360/1510/1610	

▶ 主要特点 MAIN FEATURES

- 一体装配式主轴，采用高刚性轴承结构，确保轴向受力及径向受力；
- 床身采用 HT300 铸件一体成型，能提供较大的防震阻尼及减低变形量，使得机台不但耐用而且具有特别突出的性能表现；
- 床身采用 HT300 铸铁一体成型 30°斜床式结构；

- The integrated assembled spindle adopts high rigid bearing structure to ensure axial force and radial force;
- The machine bed is made of HT300 casting, which can provide greater shock resistance and reduce deformation, making the machine not only durable but also with outstanding performance.
- The bed adopts HT300 cast iron integrated 30 inclined bed structure;

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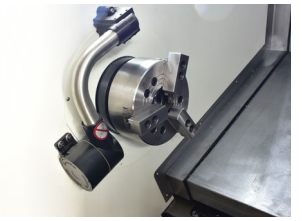
BR570 BR570D BR570DY
斜床身数控车床
BR570 BR570D BR570DY CNC SLANT BED LATHE MACHINE



● 主要特点　MAIN FEATURES

- 高精度台湾直线导轨
- 高速主轴单元，可选配自制主轴
- 高强度铸铁
- 自动集中润滑
- 整体斜床身

- Higher accuracy Taiwan linear guideways
- Higher speed spindle unit,Optional homemade spindle
- Higher rigidity cast iron
- Integrated automatic lubrication
- One-piece Casting slant bed

该机床适用于加工各种中小型轴类、盘类零件，可以车削各种螺纹、圆弧、圆锥及回转体的内外曲面，广泛应用于水暖器材、阀门、电器、仪表、汽车、摩托车、轴承等行业。

The machine is The machine issuitable to process all kinds of smalland middle-sized shaft and plate workpiece, and could also turn variousthreads, circle arc, circular cone, insideand outside surface of revolved body.This machine is widely used in sanitary,valve, electrical appliance, instrument,automobile, motorcycle,bearings andso on.

● 主要参数　PRODUCT PARAMETERS

技术参数 SPECIFICATIONS	Units	BR570-520/750/1000/1500	BR570D-520/750/1000	BR570DY-520/750/1000/1500
床身上最大回转直径 Max. Swing Dia.over bed	mm	Φ560	Φ650	Φ650
滑板上最大回转直径 Max. Swing Dia.over slide	mm	Φ470	Φ380	Φ400
刀架上最大加工直径 Max.machining Dia. over tool holder	mm	Φ330	Φ380	Φ360
最大加工长度 Max. processing length	mm	480/750/960/1500	480/700/950	470/720/930/1500
主轴头形式（可选卡盘） Spindle nose type (Opt. chuck inch)	-	A2-6（8"）/A2-8（10"）	A2-6（8"）/A2-8（10"）	A2-6（8"）/A2-8（10"）
推荐主轴电机功率 Recommended spindle motor power	KW	11-15KW	11-15KW	11-15KW
主轴最高转速 Spindle maximum speed	rpm	4200/3500rpm	4200/3500rpm	4200/3500rpm
主轴通孔直径 Spindle hole diameter	mm	66/86	66/86	66/86
棒料通径 Bar diameter	mm	52/72	52/72	52/72
X 丝杠规格 X axis screw specifications	-	3210	3210	3210
Z 丝杠规格 Z axis screw specifications	-	4010	4010	4010
Y 丝杠规格 Y axis screw specifications	-	-	-	3210
X 轴极限行程 X axis limit travel	mm	260	260	260
Z 轴极限行程 Z axis limit travel	mm	610/830/1050/1570	610/830/1050	610/830/1050/1570
Y 轴极限行程 Y axis limit travel	mm	-	-	90（±45）
推荐 X/Z 轴电机扭矩 RecommendedX/Z axis motor torque	N.M	11N.M/11N.M 11N.M/15N.M	11N.M/15N.M	11N.M/15N.M
X/Z 轴线轨规格 X/Z axis rail specifications	-	45/45	45/45	45/45
X/Z 轴连接方式 X/Z axis connection mode	-	直联 Direct	直联 Direct	直联 Direct
刀塔 Turret	-	12 工位液压伺服刀塔 CLT-100-12T servo turret	12 工位动力刀塔 12T power turret BMT55	12 工位动力刀塔 12T power turret BMT55
推荐中心高 Recommended turret center height dimension	mm	100	100/170/170	170
套筒直径 Sleeve diameter	mm	80	80	80
套筒行程 Sleeve travel	mm	80	80	80
尾座最大行程 Max. travel of tailstock	mm	500/750/1000/1500	500/750/1000/1500	500/750/1000/1500
尾座套筒锥孔 Tailstock sleeve tapered hole		莫氏 5#MT5#	莫氏 5#MT5#	莫氏 5#MT5#
床身形式及斜度 Bed type and inclination	°	整体式 /30°　Integrated/30°	整体式 /30°　Integrated/30°	整体式 /30°　Integrated/30°
外形尺寸（长 × 宽 × 高） Machine size（L * W * H）	mm	2800/3000/3360/3860 ×2100×2250	2800/3000/3360/3860 ×2100×2250	2800/3000/3360/3860 ×2100×2540
约重 Weight (approx. weight)	kg	3700kg/4200kg/5000kg/5100kg	3700kg/4200kg/5000kg	3700kg/4200kg/5000kg/5100kg

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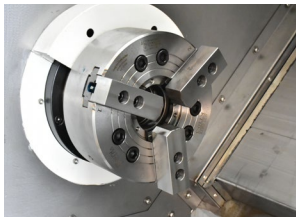
BR570DS 双主轴斜床身数控车床
DOUBLE SPINDLE INCLINED BED CNC LATHE



▶ 主要特点 MAIN FEATURES

双轴车削中心将双主轴车削与 Y 轴、C 轴和动力刀具相结合，创造出适合任何车间的、强大的“一体化”加工解决方案。可以执行偏心铣削、钻削和攻丝作业，从而提高加工能力。标配 12 工位 BMT55 刀塔和同步 C 轴，可实现多用途 4 轴加工能力。相对的主轴支持完全同步旋转，并能让动态部件通过，进而减少循环时间。

Y-axis turning center combines dual-spindle turning with Y axis, C axis, and live tooling to create a powerful “done-in-one” machining solution for any shop. Off-center milling, drilling, and tapping operations are possible for increased machining capabilities. It comes standard with a 12-station BMT55 turret and synchronized C axis for versatile 4-axis capability. The opposed spindles support fully synchronized turning, and allow on-the-fly part pass-off to reduce cycle times.

▶ 主要参数 PRODUCT PARAMETERS

技术参数 SPECIFICATIONS		BR570DS
床身上最大回转直径 Swing over bed		Φ680
最大加工直径 maximum machining diameter		Φ400（TSCDY80HP-12T 刀盘对边 350）
刀架上最大加工直径 Maximum machining diameter on the tool holder		Φ400
两卡盘最大 / 最小距离 Maximum/minimum distance between two chucks		690/40
第一主轴参数 First spindle parameters	主轴头形式（可选卡盘） Spindle head form (optional chuck)	A2-6（8”）
	电主轴电机功率 Recommended spindle motor power	15KW/11-15KW
	电主轴最高转速 Spindle maximum speed	3000rpm/4200rpm
	主轴孔直径 Spindle hole diameter	Φ66
	棒料通径 Bar diameter	Φ52
X/Z/W 轴丝杠规格 X/Z/W axis screw specifications		3210/4010/4010
X/Z/W 轴极限行程 X/Z/W axis limit travel		260/830/650
推荐 X/Z/W 轴电机扭矩 Recommended X/Z/W axis motor torque		11N.M/15N.M/11N.M
X/Z/W 轴线轨规格 X/Z/W axis rail specifications		45/45/35
X/Z/W 轴连接方式 X/Z/W axis connection mode		直联 Direct
刀塔 Turret		可选 optional
推荐中心高 Recommended turret center height dimension		170
第二主轴参数 Second spindle parameters	主轴头形式（可选卡盘） Spindle head form (optional chuck)	A2-5（6”）
	电主轴电机功率 Recommended spindle Recommended spindle motor power	11KW
	电主轴最高转速 Spindle maximum speed	6000rpm
	主轴孔直径 Spindle hole diameterRecommended spindle motor power	Φ56
	棒料通径 Bar diameter	Φ42
床身形式及斜度 Bed type and inclination		整体式 /30° Integrated/30°
外形尺寸（长 × 宽 × 高） Machine size（L * W * H）		2077×1297×1427
约重 Weight (approx. weight)		2800kg

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BR85 BR85D BR85DY

大型斜床身数控车床 / 车削中心

LARGE-SIZED SLANT BED CNC LATHE/TURNING CENTER

● 主要参数　PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	Units	BR85	BR85D	BR-85DY
床面最大上回转直径 Max. swing Dia. over bed	mm	Φ850	Φ850	Φ850
床鞍上最大回转直径 Max. swing Dia. over Saddle	mm	Φ500	Φ500	Φ500
最大车削直径 Max. Turning Diameter	mm	Φ720	Φ700	Φ700
中心距离 Distance Between Centers	mm	1100/1600/2100/3100/4100/5100	1100/1600/2100/3100/4100/5100	1100/1600/2100/3100/4100/5100
X 轴行程 X-Axis Travel	mm	400	400	400
Z 轴行程 Z-Axis Travel	mm	1130/1630/2130/3130/4130/5130	1130/1630/2130/3130/4130/5130	1130/1630/2130/3130/4130/5130
Y 轴行程 Y-Axis Travel	MM	——	——	150/±75
X/Z 快移速度 X/Z-Axis Rapid Traverse Rate	m/min	16/16	16/16	16/10
Y 快移速度 Y-Axis Rapid Traverse Rate	m/min	——	——	16
主轴头型式 Spindle Head Type	-	A2-11	A2-11	A2-11
主轴通孔直径 Spindle Bore Diameter	mm	106	106	106
棒料通径≤ Maximum Bar Capacity ≤	mm	90	90	90
最高主轴转速 Max. Spindle Speed	r/min	2000	2000	2000
主轴最大输出扭矩 Max. Spindle Torque	NM	580NM	580NM	580NM
液压卡盘（寸） Hydraulic Chuck (inch)	-	15/18/21	15	15/18/21
尾座套筒锥孔 Tailstock sleeve taper	mm	MT6	MT6	MT6
尾座套筒直径 Tailstock sleeve diameter	mm	Φ160	Φ160	Φ160
尾座套筒行程 Tailstock sleeve travel	mm	180	180	180
主电机 Main Motor Power	kW	22-30	22-30	22-30
伺服电机 X/Z X/Z-Axis Servo Motor Power	kW	3/3	3/3	3/1.8/3
动力刀塔功率 Power Turret Motor Power	kW	5.5	5.5	5.5
刀盘直径及刀位数 Turret Diameter & Number of Tool Stations	-	480-12 工位	BMT65-380-12 工位	BMT65-12 工位
相邻换刀时间 Tool-to-Tool Change Time	s	0.5	0.5	0.5
刀具尺寸（车削 / 镗孔） Tool Size (Turning/Boring)	mm	32×32/Φ50	25×25/Φ50	25×25/Φ50
弹簧夹头型号 Spring Collet type	-	——	ER40	ER40

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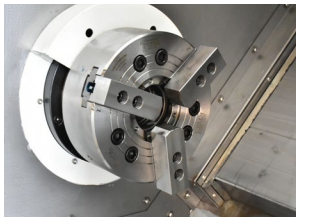
● 主要特点　MAIN FEATURES

○ 一体装配式主轴，采用高刚性轴承结构，确保轴向受力及径向受力；
○ 床身采用 HT300 铸件一体成型，能提供较大的防震阻尼及减低变形量，使得机台不但耐用而且具有特别突出的性能表现；

○ The integrated assembled spindle adopts high rigid bearing structure to ensure axial force and radial force;
○ The machine bed is made of HT300 casting, which can provide greater shock resistance and reduce deformation, making the machine not only durable but also with outstanding performance.

BR600SY 斜床身双主轴车铣复合

DOUBLE SPINDLE INCLINED BED TURNING AND MILLING COMPOUND



▶ 主要特点 MAIN FEATURES

双轴车削中心将双主轴车削与 Y 轴、C 轴和动力刀具相结合，创造出适合任何车间的、强大的“一体化”加工解决方案。可以执行偏心铣削、钻削和攻丝作业，从而提高加工能力。标配 12 工位 BMT55 刀塔和同步 C 轴，可实现多用途 4 轴加工能力。相对的主轴支持完全同步旋转，并能让动态部件通过，进而减少循环时间。

Y-axis turning center combines dual-spindle turning with Y axis, C axis, and live tooling to create a powerful “done-in-one” machining solution for any shop. Off-center milling, drilling, and tapping operations are possible for increased machining capabilities. It comes standard with a 12-station BMT55 turret and synchronized C axis for versatile 4-axis capability. The opposed spindles support fully synchronized turning, and allow on-the-fly part pass-off to reduce cycle times.

▶ 主要参数 PRODUCT PARAMETERS

技术参数 SPECIFICATIONS		Units	BR600SY/500	BR600SY/1000
床身上最大回转直径 Swing over bed		mm	600	600
最大加工直径 maximum machining diameter		mm	500	1000
最大切削直径 Max.cutting diameter		mm	460	460
第一主轴参数 First spindle parameters	主轴类型 Spindle type	-	电主轴 Electrical spindle	电主轴 Electrical spindle
	主轴端部形式 Spindle nose type	-	A2-6	A2-6
	主轴孔直径 Spindle bore	mm	65	65
	主轴转速 Spindle speed	rpm	4500	4500
	主轴电机功率 Spindle motor power	kw	30	30
第二主轴参数 Second spindle parameters	主轴类型 Spindle type	-	电主轴 Electrical spindle	电主轴 Electrical spindle
	主轴端部形式 Spindle nose type	-	A2-5	A2-5
	主轴孔直径 Spindle bore	mm	56	56
	主轴转速 Spindle speed	rpm	4500	4500
	主轴电机功率 Spindle motor power	kw	11	11
第一主轴卡盘端面到第二主轴卡盘端面距离 The distance from the end face of the first spindle chuck to the end face of the second spindle chuck		mm	50-600	50-1000
X 轴行程 X axis travel		mm	280	280
Y 轴行程 Y axis travel		mm	±50	±50
Z 轴行程 Z axis travel		mm	550	550
C 轴行程 C axis travel		°	360°	360°
X/Y/Z 快速移动 X/Y/Z axis rapid traverse		m/min	30/30/10	30/30/10
刀架形式 Tool holder type		-	12 position live turret	12 position live turret
刀架规格 Tool holder specifications		-	BMT55-ER32	BMT55-ER32
机床重量 Machine weight		kg	5500	7000

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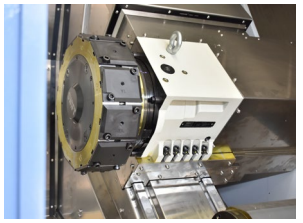
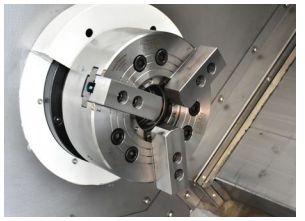
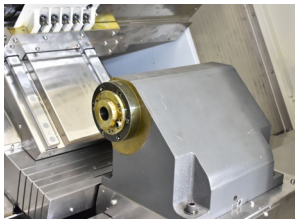
BR52MY-550 BR75MY-530
插补 Y 斜床身数控车床
COMPENSATION Y-AXIS TURN-MILLING COMPOUND

▶ 主要特点 MAIN FEATURES

- 一体装配式主轴，采用高刚性轴承结构，确保轴向受力及径向受力；
- 床身采用 HT300 铸件一体成型，能提供较大的防震阻尼及减低变形量，使得机台不但耐用而且具有特别突出的性能表现；
- 床身采用 HT300 铸铁一体成型 30°斜床式结构；

- The integrated assembled spindle adopts high rigid bearing structure to ensure axial force and radial force;
- The machine bed is made of HT300 casting, which can provide greater shock resistance and reduce deformation, making the machine not only durable but also with outstanding performance.
- The bed adopts HT300 cast iron integrated 30 inclined bed structure;

▶ 主要参数 PRODUCT PARAMETERS

技术参数 SPECIFICATIONS		Units	BR52MY-550	BR75MY-530
加工范围 Processing range	机床最大回转直径 Max. swing diameter over bed	mm	600mm	
	盘类最大加工直径 Max. machining diameter	mm	300mm	
	最大车削长度 Max. turning length	mm	550mm	
	最大铣削长度 Max.milling length	mm	620mm	605mm
	卡爪至刀盘最小距离 Minimum distance from jaw to cutter distance	mm	-70mm	-85mm
	卡爪至刀盘最大距离 Max. distance from jaw to cutter distance	mm	550mm	535mm
	台面中心高 Center height of countertop	mm	100mm	
	工作台尺寸 Workbench size	mm	488mm*388mm	
主轴 Spindle	主轴结构 Spindle structure	-	高刚性整体机械主轴 / 电主轴 High rigidity integral mechanical spindle/electric spindle	
	主轴鼻端形式 Spindle nose type	-	A2-6	A2-8
	主轴通孔 Spindle through hole diameter	mm	ϕ66mm	ϕ86mm
	主轴最高转速 Spindle speed	r/min	0-4500r/min	0-3000r/min
	主轴皮带轮齿形 Main shaft belt tooth profile	-	8YU	
回转尾顶 Turning tail top	顶尖型号 Tip model	-	莫式 4 号 (固定顶尖)MT 4 (fixed center)	
	尾座结构 Tailstock structure	-	伺服尾座 Servo tailstock	
	尾座行程 Tailstock travel	mm	500mm	500mm
	卡爪至顶尖最大距离 Max. distance from jaw to tip	mm	630mm	610mm
进给 Feed	进给电机法兰 Feed motor flange	-	130 型 /174 型 Model 130 / Model 174	
	X 轴导轨型号 X-axis guide model	-	35 滚柱 35 roller	
	Y 轴导轨型号 Y-axis guide model	-	35 滚柱 35 roller	
	Z 轴导轨型号 Z-axis guide model	-	45 滚柱 45 roller	
	尾座导轨型号 Tailstock guide model	-	35 滚柱 35 roller	
	X 轴丝杆型号 X axis screw model	-	3210-C3	
	Y 轴丝杆型号 Y-axis screw model	-	3210-C3	
	Z 轴丝杆型号 Z-axis screw model	-	3210-C3	
	尾座丝杆型号 Tailstock model	-	3210-C3	
	丝杆轴承 Screw bearing	-	2562-P4	
行程 Distance of travel	X 轴最大行程 (刀盘尺寸 330mm)X-axis max. travel (cutter size 330mm)	mm	260mm(- 110mm 至 +150mm)	
	Y 轴最大行程 X-axis max. travel	mm	+58~ - 50mm(85mm 中心高刀座 Center height Tool holder)	
		mm	+58~ - 58mm(100mm 中心高刀座 Center height Tool holder)	
	Z 轴最大行程 Z-axis max. travel	mm	620mm	
	尾座最大行程 Maximum travel of tailstock	mm	500mm	
快移速度 Fast moving speed	X 轴快速定位 X-axis fast positioning	m/min	⩽ 24m/min	
	Y 轴快速定位 Y-axis fast positioning	m/min	⩽ 10m/min	
	Z 轴快速定位 Z-axis fast positioning	m/min	⩽ 24m/min	
	尾座快速定位 Quick positioning of tailstock		⩽ 10m/min	
精度 Accuracy	X 轴重复定位 Repeat positioning on X-axis	mm	±0.003mm	
	Y 轴重复定位 Repeat positioning on Y-axis	mm	±0.003mm	
	Z 轴重复定位 Repeat positioning on Z-axis	mm	±0.003mm	
可选附件 Optional standard accessories	外防护钣金 Outer protective sheet metal	-	全包围防护 Full protection	
	内防护钣金 Internal protective sheet metal	-	全防护 Full protection	
	动力刀塔 Power tool turret	-	BMT45- 15 position/BMT55- 12 position	
可选附件 Optional accessories	排屑机 Chip conveyor	-	后排水箱一体排屑机 Rear water tank integrated chip conveyor	
	回转油缸 Rotary cylinder	-	8 寸中 52mm 通孔 8 "hollow 52mm through hole	
	液压卡盘 Hydraulic chuck	-	A2-6(8 寸)	
	主轴拉杆 Spindl pull rod	-	M60*2-M60*2 通孔 ϕ52mm	
	X 轴联轴器 X axis coupling	-	丝杆端 ϕ22mm/ 总长 80mm Screw end ϕ22mm/ total length 80mm	
	Y 轴联轴器 Y axis coupling	-		
	Z 轴联轴器 Z axis coupling	-		
	液压站 Hydraulic power station	-	2HP- 三路容量 50L2HP- Three-way capacity 50L	
	稀油电动润滑泵 Thin oil electric lubrication pump	-	单相 220V-4L 检知容积式 Single-phase 220-4L detection volumetric type	
	水泵 Water pump	-	三相 380V- 浸入式循环泵 Three-phase 380V- immersion circulating pump	

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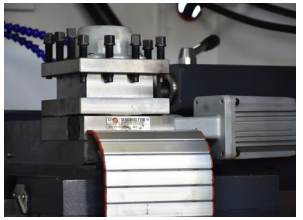
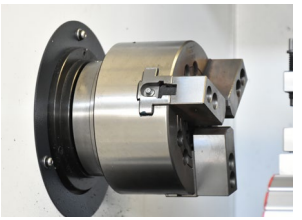
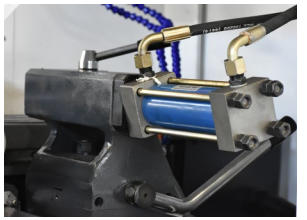
CK6120 CK6125 数控平床身车床

CNC FIAT BED LATHE MACHINE







▶ 主要特点 MAIN FEATURES

标准配置	Standard configuration	可选配置	Optional configuration
排刀	Gang type	液压卡盘	Hydraulic chuck
手动三爪卡盘	3-jaw manual chuck	6/8 电动刀塔	Electric turet 6/8·positionHydraulic
无级变速	Stepless	液压尾座	tailstock
		无级变速	Stepless

▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	Units	CK6120	CK6125
床身上最大回转直径 Max. swing diameter over bed	mm	190	230
横滑板上最大回转直径 Max. swing over cross slide	mm	80	125
最大工件长度 Distance between centers	mm	200	200
主轴孔径 Spindle bore	mm	37	50
主轴孔径锥度 Spindle bore tape	-	MT5	MT5
主轴端部形式 Spindle nose type	-	A2-4	A2-5
主轴转速级数 Spindle speed steps	-	无级 Stepless	无级 Stepless
主轴转速范围 Spindle speed range	rpm	150-2500	150-2500
刀架类型 Turret/tool post	-	排刀 Gang type	排刀 Gang type
刀具尺寸 Tool size	mm	16*16	16*16
X 轴行程 X-axis travel	mm	300	300
Z 轴行程 Z-axis travel	mm	320	320
X 轴快速进给速度 X-axis rapid traverse	mm/min	8000	8000
Z 轴快速进给速度 Z-axis rapid traverse	mm/min	10000	10000
尾座套筒直径 Diameter of tailstock quill	mm	45	45
尾座套筒锥度 Tailstock Quill taper hole	–	MT4	MT4
尾座套筒行程 Tailstock quill travel	mm	50	50
主电机功率 Main motor power	kw	3	3
冷却电机功率 Coolant motor power	kw	0.09	0.09
机床重量 Machine weight	kg	800	850
外形尺寸 (长 × 宽 × 高) Overall dimension(L*W*H)	kg	1500*1100*1650	1500*1100*1650

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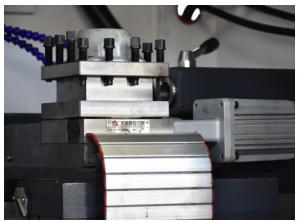
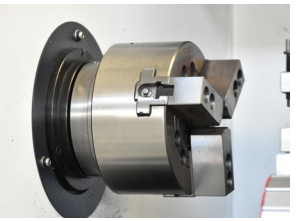
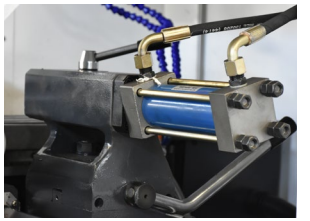
CK6130 CK6132 CK6136 数控平床身车床

CNC FIAT BED LATHE MACHINE







▶ 主要特点 MAIN FEATURES

标准配置	Standard configuration	可选配置	Optional configuration
4 工位电动刀架	Electric turret 4 position	液压卡盘	Hydraulic chuck
手动三爪卡盘	3-jaw manual chuck	6/8 电动刀塔	Electric turet 6/8·positionHydraulic
无级变速	Stepless	液压尾座	tailstock

▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	Units	CK6130	CK6132	CK6136
床身上最大回转直径 Max. swing diameter over bed	mm	300	320	360
横滑板上最大回转直径 Max. swing over cross slide	mm	100	110	150
最大工件长度 Distance between centers	mm	500/700		
主轴孔径 Spindle bore	mm	60		
主轴孔径锥度 Spindle bore tape	-	MT6		
主轴端部形式 Spindle nose type	-	A2-5		
主轴转速级数 Spindle speed steps	-	无级 Stepless		
主轴转速范围 Spindle speed range	rpm	100-2000		
刀架类型 Turret/tool post	-	四工位电动刀架 Electric 4 position		
刀具尺寸 Tool size	mm	20*20		
X 轴行程 X-axis travel	mm	160	170	180
Z 轴行程 Z-axis travel	mm	500/700		
X 轴快速进给速度 X-axis rapid traverse	mm/min	6000		
Z 轴快速进给速度 Z-axis rapid traverse	mm/min	8000		
尾座套筒直径 Diameter of tailstock quill	mm	50		
尾座套筒锥度 Tailstock Quill taper hole	_	MT4		
尾座套筒行程 Tailstock quill travel	mm	90		
主电机功率 Main motor power	kw	4		
冷却电机功率 Coolant motor power	kw	0.09		
机床重量 Machine weight	kg	1150	1200	1250
外形尺寸 (长 × 宽 × 高) Overall dimension(L*W*H)	kg	1900*1200*1700	1900*1200*1700	1900/2100*1200*1700

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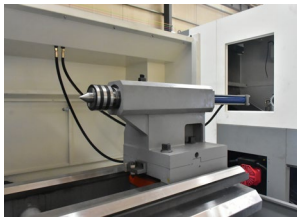
CK6136 CK6140 CK6150 CK6160

数控平床身车床

CNC FIAT BED LATHE MACHINE



▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	Units	CK6136	CK6140	CK6150	CK6160
床身上最大回转直径 Max. swing diameter over bed	mm	360	400	500	600
托板最大回转直径 Max. swing over cross slide	mm	190	210	260	350
最大工件长度 Distance between centers	mm	750/1000/1500/2000			
主轴通孔直径 Spindle bore	mm	52(Opt.80)			
主轴端部型号 Spindle nose type		A2-6(A2-8)			
主轴转速级数 Spindle speed steps		无级 Stepless			
主轴转速范围 Spindle speed range	rpm	1800			
刀架 Turret/tool post		四工位电动刀架 Electric 4 position			
刀具尺寸 Tool size	mm	20*20		25*25	25*25
X 轴行程 X axis travel	mm	180	230	280	320
Z 轴行程 Z axis travel	mm	750/1000/1500/2000			
X 轴快速进给 X axis rapid traverse	mm/min	6000			
Z 轴快速进给 Z axis rapid traverse	mm/min	8000			
尾座套筒直径 Diameter of tailstock quill	mm	65			
尾座套筒锥孔 Tailstock Quill taper hole		MT4		MT5	
尾座套筒行程 Tailstock quill travel	mm	130	130	130	130
主电机功率 Main motor power	kw	5.5	5.5	7.5	7.5
冷却泵电机功率 Coolant motor power	kw	0.09	0.09	0.09	0.125
重量为 750 Weight for 750	kg	1500	1700	1800	1900
重量为 1000 Weight for 1000	kg	1600	1800	1900	2000
重量为 1500 Weight for 1500	kg	1800	1900	2000	2100
重量为 2000 Weight for 2000	kg	2000	2000	2100	2200
尺寸为 750 Dimension for 750	mm	2200*1600-1650	2200*1650*1700	2200*1700*1750	2200*1750*1800
尺寸为 1000 Dimension for 1000	mm	2500*1600*1650	2500*1650*1700	2500*1700*1750	2500*1750*1800
尺寸为 1500 Dimension for 1500	mm	3000*1600*1650	3000*1650*1700	3000*1700*1750	3000*1750*1800
尺寸为 2000 Dimension for 2000	mm	3500*1600*1650	3500*1650*1700	3500*1700*1750	3500*1750*1800

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▶ 主要特点 MAIN FEATURES

标准配置	Standard configuration	可选配置	Optional configuration
4 工位电动刀架	Electric turret 4 position	液压卡盘	Hydraulic chuck
手动三爪卡盘	3-jaw manual chuck	6/8 电动刀塔	Electric turet 6/8·positionHydraulic
主轴通孔 52mm	Spindle bore 52mm	液压尾座	tailstock
高低两档	High-low two steps	无级变速	Stepless

CK6152 CK6160

400mm 导轨宽系列数控卧式车床

400 GUIDEWAY WIDE SERIES CNC HORIZONTAL LATHE

▶ 主要特点 MAIN FEATURES

- 采用机、电、气一体化设计，符合人机工程学，全封闭防护，结构紧凑，操作简便，维修便捷。床身导轨淬火处理，硬度达HRC50，确保高刚性与稳定精度。
- 采用加重整体床身，增强刚性，确保运行稳定，排屑顺畅，前后整体水槽设计有效防止漏水。
- 床身导轨为双山型铸铁结构，淬火处理，宽度 440mm，床鞍接触面贴塑，减少摩擦，提升动态性能。
- 纵横向运动由交流伺服电机与丝杠直接驱动，确保高精度传动。自动润滑系统及时润滑导轨与丝杠，保持良好运行状态。

- The machine tool adopts the integrated design of machine, electricity and gas, which is in line with ergonomics, fully enclosed protection, compact structure, easy operation and convenient maintenance. The bed guideway is quenched and hardened to HRC50, ensuring high rigidity and stable precision.
- The machine tool adopts weighted integral bed to enhance rigidity, ensure stable operation and smooth chip removal, and the front and rear integral water tank design effectively prevents water leakage.
- The bed guideway is double mountain cast iron structure, quenching treatment, width 440mm, bed saddle contact surface paste plastic, reduce friction, improve dynamic performance.
- The longitudinal and transverse movements of the machine are directly driven by AC servo motors and screws to ensure high-precision transmission. The automatic lubrication system lubricates the guide rail and screw in time to maintain good running condition.

▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	Units	CK6152	CK6160
床身最大回转直径 Max.swing diameter over bed	mm	ϕ520	ϕ600
滑板上最大回转直径 Max.swing over cross slide	mm	ϕ320	ϕ400
最大切削直径 Max.cutting diameter	mm	ϕ520	ϕ600
最大工件长度 Max.protessing length	mm	890/1390/1890/2890	
最大切削长度 Max.cutting length	mm	850/1350/1850/2850	
最大通过棒料直径 Max.diameter through the bar	mm	ϕ82	
床脚结构 Bed foot structure	—	整体床身 Integral bed	
导轨宽度 Guideway width	mm	440	
主轴转速 Spindle speed	r/min	65-210;195-620;510-1600	
主电机功率 Main spindle motor	kW	7.5	
主轴端部型号 Spindle nose type	ISO	A2-8	
主轴通孔直径 Spindle bore	mm	Φ82	
主轴锥孔规格 Spindle taper hole specification	—	ϕ90(1:20)	
主轴转速级数 Number of spindle speed	—	手动三挡，挡内无极 Manual 3 setps, stepless speed changing	
主轴中心至地面高度 Height from spindle center to ground	mm	1025	1065
X 轴行程 X axis travel	mm	290	320
Z 轴行程 Z axis travel	m/min	890/1390/1890/2890	
X 轴快速移动 X-axis rapid feed	m/min	5	
Z 轴快速移动 Z-axis rapid feed	mm	10	
X 轴丝杠规格 (直径 / 螺距) X-axis screw Diameter/pitch	mm	5/25	
Z 轴丝杠规格 (直径 / 螺距) Z-axis screw Diameter/pitch	Nm	40/10(1000、1500)50/10(2000、3000 规格 Specifications 2000、 3000)	
X/Z 轴电机扭矩 X/Z axis motor torque	mm	5/7.5	
尾架套筒直径 / 行程 Tailstock quill diameter/travel	—	75/150	
套筒锥孔规格 Tailstock quill taper	—	莫氏 5# MT5	
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	mm	192X192 立式 4 工位 Vertical 4 station	
外圆车刀刀柄规格 External turning tool shank specification	mm	25×25	
镗孔刀刀柄最大直径 Max.diameter of boring tool holder	mm	ϕ32	
X 轴定位精度 X axis Positioning accuracy	mm	0.01	
Z 轴定位精度 Z axis Positioning accuracy	mm	0.01(1000) 0.012(1500) 0.015(2000/3000)	
X 轴重复定位精度 X axis Repeated positioning accuracy	mm	0.005	
Z 轴重复定位精度 Z axis Repeated positioning accuracy	mm	0.014(1000) 0.018(1500)	
卡盘直径 (手动) Chuck diameter (manual)	-	ϕ250	ϕ315
数控系统 CNC system	KVA	广州数控 GSK980TB3i	
电气总容量 Total electrical capacity	mm	20	
机床外形尺寸 (长 X 宽 X 高) Machine dimension (L*W*H)	mm	2800×1650×1700(1000) 3300×1650×1700(1500) 3800×1650×1700(2000) 4800×1650×1700(3000)	2800×1650×1750(1000) 3300×1650×1750(1500) 3800×1650×1750(2000) 4800×1650×1750(3000)
机床重量 Machine weight	kg	2400(1000) 2700(1500) 3000(2000) 3700(3000)	2500(1000) 2800(1500) 3100(2000) 3800(3000)

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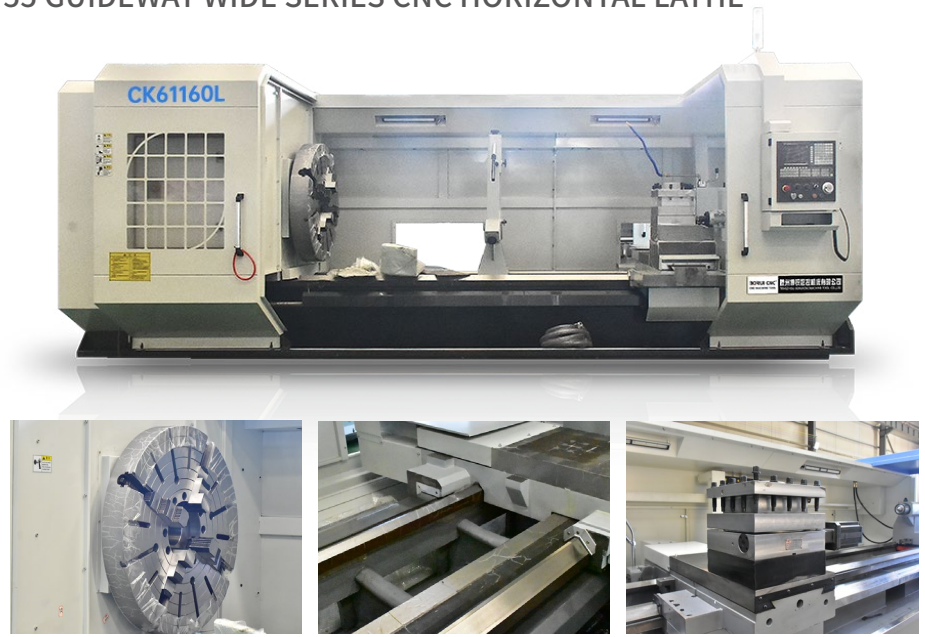
CK61125B CK61160B

755mm 导轨宽系列数控卧式车床

755 GUIDEWAY WIDE SERIES CNC HORIZONTAL LATHE



▶ 主要特点 MAIN FEATURES

- 机床采用加重新型整体床身，刚性高，运行稳定，排屑流畅，导轨宽度 755mm。
- 通过有限元法优化设计，具备高刚性、低热变形、高主轴转速、低温升、低振动及快速移动特点，设计达国际先进水平。
- 关键外购件（如数控系统、主轴轴承、滚珠丝杆）选用国际国内知名品牌，确保高可靠性。
- 先进结构与工艺保障高加工精度与长期精度保持性，工件一致性达 IT6-IT7 级精度，表面粗糙度 Ra1.6um。
- 关键零件（床身、床头箱、床鞍、尾座）采用先进设备加工，确保高精度与技术性能。
- 模块化设计支持多种配置（主轴、刀架、卡盘、尾座、系统等），满足多样化加工需求。
- 主传动系统标配手动四档变速，主轴通孔直径 130mm，刚性增强；外置油箱淋浴式润滑，充分润滑并散热，减少主轴发热对精度影响。

- The machine adopts weighted new integral bed, high rigidity, stable operation, smooth chip removal, and the width of the guideway is 755mm.
- through the finite element method optimization design, with high rigidity, low thermal deformation, high spindle speed, low temperature rise, low vibration and fast movement characteristics, the design reaches the international advanced level.
- key outsourcing parts (such as CNC system, spindle bearings, ball screws) are selected from international and domestic famous brands to ensure high reliability.
- advanced structure and technology guarantee high machining accuracy and long-term accuracy retention, the consistency of the workpiece reaches IT6-IT7 level accuracy, surface roughness Ra1.6um.
- Key parts (bed, headstock, saddle, tailstock) are processed by advanced equipment to ensure high precision and technical performance.
- Modular design supports various configurations (spindle, tool holder, chuck, tailstock, system, etc.) to meet diversified machining needs.
- The main transmission system is standardized with manual four-speed gear, spindle through-hole diameter of 130mm, rigidity enhancement; external oil tank shower lubrication, full lubrication and heat dissipation, reduce the spindle heat on the accuracy of the impact.

▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	Units	CK61125B	CK61160B
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	ϕ1200
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/ 可订做最长至 20000 Can be customized up to 20,000	
最大切削长度 Max.cutting length	mm	1300/1800/2800/3800/4800/5800/7800	
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 18/ 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)	
主轴转速级数 Number of spindle speed	—	手动四挡，挡内无极 Manual 4 setps, stepless speed changing	
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
X 轴行程 X axis travel	mm	700	800
Z 轴行程 Z axis travel	m/min	800/1300/1800/2800/3800/4800/5800/7800	
X 轴快速移动 X-axis rapid feed	m/min	3(加装 1:3 行星减速机 Add 1:3 planetary reducer)	
Z 轴快速移动 Z-axis rapid feed	mm	4(加装 1:5 行星减速机 Add 1:5 planetary reducer)	
X 轴丝杠规格 (直径 / 螺距) X-axis screw Diameter/pitch	mm	40/06(南京工艺 Nanjing technology)	
Z 轴丝杠规格 (直径 / 螺距) Z-axis screw Diameter/pitch	Nm	80/12(南京工艺 Nanjing technology)	
X/Z 轴电机扭矩 X/Z axis motor torque	mm	15/18	
尾架套筒直径 / 行程 Tailstock quill diameter/travel	—	160/300	
套筒锥孔规格 Tailstock quill taper	—	公制 80 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	mm	300X300 立式 4 工位 (常州)Vertical 4 station(Changzhou)	
外圆车刀刀柄规格 External turning tool shank specification	mm	40×40	
镗孔刀刀柄最大直径 Max.diameter of boring tool holder	mm	ϕ40	
X 轴定位精度 X axis Positioning accuracy	mm	0.03	
Z 轴定位精度 Z axis Positioning accuracy	mm	0.03(1000) 0.05(1500)	
X 轴重复定位精度 X axis Repeated positioning accuracy	mm	0.009	
Z 轴重复定位精度 Z axis Repeated positioning accuracy	mm	0.014(1000) 0.018(1500)	
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	-	3000 以上规格带中心架中 150-ϕ600 跟刀架 ϕ50-ϕ260 Above 3000 specifications with Steady rest ϕ150-ϕ600 and Follow rest ϕ50-ϕ260	
数控系统 CNC system	KVA	广州数控 GSK980TB3i	
电气总容量 Total electrical capacity	mm	50	
机床外形尺寸 (长 X 宽 X 高) Machine dimension (L*W*H)	mm	4750×2500×2400(1500) 5250×2500×2400(2000) 6250×2500×2400(3000) 7250×2500×2400(4000) 8250×2500×2400(5000) 9250×2500×2400(6000) 11250×2500×2400(8000)	4750×2800×2600(1500) 5250×2800×2600(2000) 6250×2800×2600(3000) 7250×2800×2600(4000) 8250×2800×2600(5000) 9250×2800×2600(6000) 11250×2800×2600(8000)
机床重量 Machine weight	kg	10200(1500) 10800(2000) 11900(3000) 13000(4000) 14500(5000) 15400(6000) 17900(8000)	11000(1500) 11600(2000) 12600(3000) 13800(4000) 15300(5000) 16100(6000) 18600(8000)

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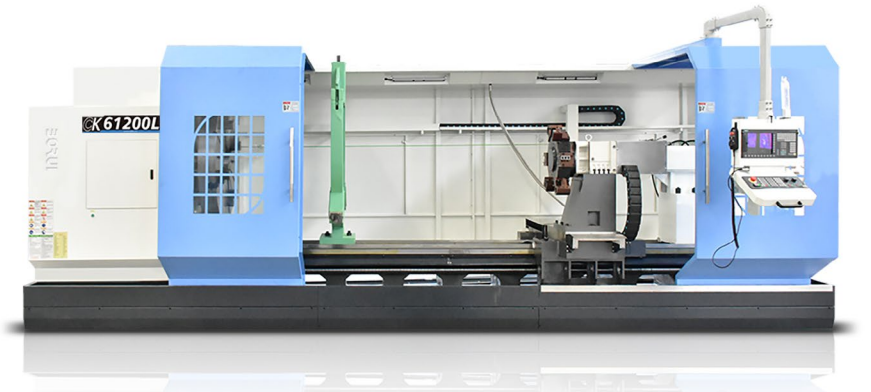
CK61160 CK61180 CK61200

1100mm 导轨宽系列数控卧式车床

1100 GUIDEWAY WIDE SERIES CNC HORIZONTAL LATHE



▶ 主要特点 MAIN FEATURES

- 机床采用加重新型整体床身，刚性高，运行稳定，排屑流畅，导轨宽度 1100mm。
- 通过有限元法优化设计，具备高刚性、低热变形、高主轴转速、低温升、低振动及快速移动特点，设计达国际先进水平。
- 关键外购件（如数控系统、主轴轴承、滚珠丝杆）选用国际国内知名品牌，确保高可靠性。
- 先进结构与工艺保障高加工精度与长期精度保持性，工件一致性达 IT6-IT7 级精度，表面粗糙度 Ra1.6um。
- 关键零件（床身、床头箱、床鞍、尾座）采用先进设备加工，确保高精度与技术性能。
- 模块化设计支持多种配置（主轴、刀架、卡盘、尾座、系统等），满足多样化加工需求。
- 主传动系统标配手动四档变速，主轴通孔直径 130mm，刚性增强；外置油箱淋浴式润滑，充分润滑并散热，减少主轴发热对精度影响。

- The machine adopts weighted new integral bed, high rigidity, stable operation, smooth chip removal, and the width of the guideway is 1100mm.
- through the finite element method optimization design, with high rigidity, low thermal deformation, high spindle speed, low temperature rise, low vibration and fast movement characteristics, the design reaches the international advanced level.
- key outsourcing parts (such as CNC system, spindle bearings, ball screws) are selected from international and domestic famous brands to ensure high reliability.
- advanced structure and technology guarantee high machining accuracy and long-term accuracy retention, the consistency of the workpiece reaches IT6-IT7 level accuracy, surface roughness Ra1.6um.
- Key parts (bed, headstock, saddle, tailstock) are processed by advanced equipment to ensure high precision and technical performance.
- Modular design supports various configurations (spindle, tool holder, chuck, tailstock, system, etc.) to meet diversified machining needs.
- The main transmission system is standardized with manual four-speed gear, spindle through-hole diameter of 130mm, rigidity enhancement; external oil tank shower lubrication, full lubrication and heat dissipation, reduce the spindle heat on the accuracy of the impact.

▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	Units	CK61160	CK61180	CK61200
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/ 可订做最长至 20000 Can be customized up to 20,000		
最大切削长度 Max.cutting length	mm	1300/1800/2800/3800/4800/5800/7800		
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	3.15-315		
主电机功率 Main spindle motor	kW	22/6 级 22/ 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)		
主轴转速级数 Number of spindle speed	—	手动四挡，挡内无极 Manual 4 setps, stepless speed changing		
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
Z 轴行程 Z axis travel	m/min	800/1300/1800/2800/3800/4800/5800/7800		
X 轴快速移动 X-axis rapid feed	m/min	3(加装 1:3 行星减速机 Add 1:3planetary reducer)		
Z 轴快速移动 Z-axis rapid feed	mm	4(加装 1:5 行星减速机 Add 1:5 planetary reducer)		
X 轴丝杠规格 (直径 / 螺距) X-axis screw Diameter/pitch	mm	40/06(Nanjing technology)		
Z 轴丝杠规格 (直径 / 螺距) Z-axis screw Diameter/pitch	Nm	100/16(Nanjing technology)		
X/Z 轴电机扭矩 X/Z axis motor torque	mm	15/30		
尾架套筒直径 / 行程 Tailstock quill diameter/travel	—	240/300(1000-3000)265 内置顶尖 built-in top /300(4000 以上 Above 4000)		
套筒锥孔规格 Tailstock quill taper	—	公制 100 Metric 100 (1000-3000) 公制 80 Metric 80 (4000 以上 Above 4000)		
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	mm	300X300 立式 4 工位 (常州) Vertical 4 station(Changzhou)		
外圆车刀刀柄规格 External turning tool shank specification	mm	40×40		
镗孔刀刀柄最大直径 Max.diameter of boring tool holder	mm	φ40		
X 轴定位精度 X axis Positioning accuracy	mm	0.03		
Z 轴定位精度 Z axis Positioning accuracy	mm	0.03(1000) 0.05(1500)		
X 轴重复定位精度 X axis Repeated positioning accuracy	mm	0.009		
Z 轴重复定位精度 Z axis Repeated positioning accuracy	mm	0.014(1000) 0.018(1500)		
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	-	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		
数控系统 CNC system	KVA	广州数控 GSK980TDi		
电气总容量 Total electrical capacity	mm	60		
机床外形尺寸 (长 X 宽 X 高) Machine dimension (L*W*H)	mm	5150×2850×2700(1500) 5650×2850×2700(2000) 6650×2850×2700(3000) 7650×2850×2700(4000) 8650×2850×2700(5000) 9650×2850×2700(6000) 11650×2850×2700(8000)	5150×2850×2800(1500) 5650×2850×2800(2000) 6650×2850×2800(3000) 7650×2850×2800(4000) 8650×2850×2800(5000) 9650×2850×2800(6000) 11650×2850×2800(8000)	5150×2900×2900(1500) 5650×2900×2900(2000) 6650×2900×2900(3000) 7650×2900×2900(4000) 8650×2900×2900(5000) 9650×2900×2900(6000) 11650×2900×2900(8000)
机床重量 Machine weight	kg	19000(1500) 20000(2000) 21800(3000) 22800(4000) 23800(5000) 24800(6000) 27300(8000)	20000(1500) 21000(2000) 22800(3000) 23800(4000) 24800(5000) 25800(6000) 28300(8000))	21000(1500) 22000(2000) 23800(3000) 24800(4000) 25800(5000) 26800(6000) 29300(8000)

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CAK63 CAK80

550mm 导轨宽系列数控卧式车床

550 GUIDEWAY WIDE SERIES CNC HORIZONTAL LATHE

▶ 主要特点 MAIN FEATURES

- 机床采用加重新型整体床身，刚性高，运行稳定，排屑流畅，导轨宽度 550mm。
- 通过有限元法优化设计，具备高刚性、低热变形、高主轴转速、低温升、低振动及快速移动特点，设计达国际先进水平。
- 关键外购件（如数控系统、主轴轴承、滚珠丝杆）选用国际国内知名品牌，确保高可靠性。
- 先进结构与工艺保障高加工精度与长期精度保持性，工件一致性达 IT6-IT7 级精度，表面粗糙度 Ra1.6um。
- 关键零件（床身、床头箱、床鞍、尾座）采用先进设备加工，确保高精度与技术性能。
- 模块化设计支持多种配置（主轴、刀架、卡盘、尾座、系统等），满足多样化加工需求。
- 主传动系统标配手动四档变速，主轴通孔直径 130mm，刚性增强；外置油箱淋浴式润滑，充分润滑并散热，减少主轴发热对精度影响。

- The machine adopts weighted new integral bed, high rigidity, stable operation, smooth chip removal, and the width of the guideway is 550mm.
- through the finite element method optimization design, with high rigidity, low thermal deformation, high spindle speed, low temperature rise, low vibration and fast movement characteristics, the design reaches the international advanced level.
- key outsourcing parts (such as CNC system, spindle bearings, ball screws) are selected from international and domestic famous brands to ensure high reliability.
- advanced structure and technology guarantee high machining accuracy and long-term accuracy retention, the consistency of the workpiece reaches IT6-IT7 level accuracy, surface roughness Ra1.6um.
- Key parts (bed, headstock, saddle, tailstock) are processed by advanced equipment to ensure high precision and technical performance.
- Modular design supports various configurations (spindle, tool holder, chuck, tailstock, system, etc.) to meet diversified machining needs.
- The main transmission system is standardized with manual four-speed gear, spindle through-hole diameter of 130mm, rigidity enhancement; external oil tank shower lubrication, full lubrication and heat dissipation, reduce the spindle heat on the accuracy of the impact.

▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	Units	CAK63	CAK80
床身最大回转直径 Max.swing diameter over bed	mm	Φ630	Φ800
滑板上最大回转直径 Max.swing over cross slide	mm	ϕ350	ϕ520
最大切削直径 Max.cutting diameter	mm	ϕ630	Φ800
最大工件长度 Max.protessing length	mm	1000/1500/2000/3000/4000/5000/6000	
最大切削长度 Max.cutting length	mm	850/1350/1850/2850/3850/4850/5850	
最大通过棒料直径 Max.diameter through the bar	mm	ϕ100 (Customizable ϕ130)	
床脚结构 Bed foot structure	—	整体床身 Integral bed	
导轨宽度 Guideway width	mm	550	
主轴转速 Spindle speed	r/min	17-1000	
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(Customizable ϕ130)	
主轴锥孔规格 Spindle taper hole specification	—	ϕ120(1:20)	
主轴转速级数 Number of spindle speed	—	自动四挡 / 手动四挡，挡内无极 Automatic 4 setps /Manual 4 setps, stepless speed changing	
主轴轴承 Main spindle bearing		NN3032K/P5 NN3026K/P5234432BM/P56028/P5/130 孔用 NNU4938/P5 NNU4932/P551140M/P516034M/P5	
主轴中心至地面高度 Height from spindle center to ground	mm	1050	1135
X 轴行程 X axis travel	mm	380	400
Z 轴行程 Z axis travel	m/min	850/1350/1850/2850/3850/4850/5850	
X 轴快速移动 X-axis rapid feed	m/min	7.5	
Z 轴快速移动 Z-axis rapid feed	mm	18(1000、1500)6(2000 以上规格加装 1:3 行星减速机 More than 2000 specifications plus 1:3 planetary reducer)	
X 轴丝杠规格 (直径 / 螺距) X-axis screw Diameter/pitch	mm	32/05(南京工艺 Nanjing technology)	
Z 轴丝杠规格 (直径 / 螺距) Z-axis screw Diameter/pitch	Nm	50/12(100Q 150Q 2000)63/12(3000 以上规格 Specifications above 3000)(南京工艺 Nanjing technology)	
X/Z 轴电机扭矩 X/Z axis motor torque	mm	10/15	
尾架套筒直径 / 行程 Tailstock quill diameter/travel	—	100/250	
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	mm	240*240 立式 4 工位 Vertical 4 station(常州 Changzhou)	
外圆车刀刀柄规格 External turning tool shank specification	mm	32*32	
镗孔刀刀柄最大直 径 Max.diameter of boring tool holder	mm	ϕ32	
X 轴定位精度 X axis Positioning accuracy	mm	0.03	
Z 轴定位精度 Z axis Positioning accuracy	mm	0.03(1000) 0.05(1500)	
X 轴重复定位精度 X axis Repeated positioning accuracy	mm	0.009	
Z 轴重复定位精度 Z axis Repeated positioning accuracy	mm	0.014(1000) 0.018(1500)	
卡盘直径 (手动) Chuck diameter (manual)	mm	ϕ315 三爪卡盘 ϕ315 3-jaw chuck	ϕ400 三爪卡盘 ϕ400 3-jaw chuck
中心架、跟刀架 Steady rest, Follow rest	-	2000 以上规格带中心架 ϕ50-ϕ250 跟刀架 ϕ30-ϕ120 Above 2000 specifications with Steady rest ϕ50-ϕ250 and Follow rest ϕ30-ϕ120	
数控系统 CNC system	KVA	广州数控 GSK980TDi	
电气总容量 Total electrical capacity	mm	30	
机床外形尺寸 (长 X 宽 X 高) Machine dimension (L*W*H)	mm	3250*2000*2000(1000) 3750*2000*2000(1500) 4250*2000*2000(2000) 5250*2000*2000(3000) 6250*2000*2000(4000) 7250*2000*2000(5000) 8250*2000*2000(6000)	3250*2000*2000(1000) 3750*2000*2000(1500) 4250*2000*2000(2000) 5250*2000*2000(3000) 6250*2000*2000(4000) 7250*2000*2000(5000) 8250*2000*2000(6000)
机床重量 Machine weight	kg	4500(1000) 4800(1500) 5200(2000) 6000(3000) 6800(4000) 7500(5000) 8200(6000)	4700(1000) 5000(1500) 5400(2000) 6200(3000) 7000(4000) 7700(5000) 8400(6000)

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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.

CAK86 CAK110 CAK125

600mm 导轨宽系列数控卧式车床

600 GUIDEWAY WIDE SERIES CNC HORIZONTAL LATHE

▶ 主要特点 MAIN FEATURES

- 机床采用加重新型整体床身，刚性高，运行稳定，排屑流畅，导轨宽度 600mm。
- 通过有限元法优化设计，具备高刚性、低热变形、高主轴转速、低温升、低振动及快速移动特点，设计达国际先进水平。
- 关键外购件（如数控系统、主轴轴承、滚珠丝杆）选用国际国内知名品牌，确保高可靠性。
- 先进结构与工艺保障高加工精度与长期精度保持性，工件一致性达 IT6-IT7 级精度，表面粗糙度 Ra1.6um。
- 关键零件（床身、床头箱、床鞍、尾座）采用先进设备加工，确保高精度与技术性能。
- 模块化设计支持多种配置（主轴、刀架、卡盘、尾座、系统等），满足多样化加工需求。
- 主传动系统标配手动四档变速，主轴通孔直径 130mm，刚性增强；外置油箱淋浴式润滑，充分润滑并散热，减少主轴发热对精度影响。

- The machine adopts weighted new integral bed, high rigidity, stable operation, smooth chip removal, and the width of the guideway is 600mm.
- through the finite element method optimization design, with high rigidity, low thermal deformation, high spindle speed, low temperature rise, low vibration and fast movement characteristics, the design reaches the international advanced level.
- key outsourcing parts (such as CNC system, spindle bearings, ball screws) are selected from international and domestic famous brands to ensure high reliability.
- advanced structure and technology guarantee high machining accuracy and long-term accuracy retention, the consistency of the workpiece reaches IT6-IT7 level accuracy, surface roughness Ra1.6um.
- Key parts (bed, headstock, saddle, tailstock) are processed by advanced equipment to ensure high precision and technical performance.
- Modular design supports various configurations (spindle, tool holder, chuck, tailstock, system, etc.) to meet diversified machining needs.
- The main transmission system is standardized with manual four-speed gear, spindle through-hole diameter of 130mm, rigidity enhancement; external oil tank shower lubrication, full lubrication and heat dissipation, reduce the spindle heat on the accuracy of the impact.

▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	Units	CAK86	CAK110	CAK125
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	1000/1500/2000/3000/4000/5000/6000/8000		
最大切削长度 Max.cutting length	mm	850/1350/1850/2850/3850/4850/5850/7850		
最大通过棒料直径 Max.diameter through the bar	mm	ϕ100(可定做 ϕ130 Customizable ϕ130)		
床脚结构 Bed foot structure	—	整体床身 Integral bed		
导轨宽度 Guideway width	mm	700		
主轴转速 Spindle speed	r/min	17-1000		
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(可定做 ϕ130 Customizable ϕ130)		
主轴锥孔规格 Spindle taper hole specification	—	ϕ120(1:20)		
主轴转速级数 Number of spindle speed	—	自动四挡 / 手动四挡，挡内无极 Automatic 4 setps /Manual 4 setps, stepless speed changing		
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	1425
X 轴行程 X axis travel	mm	420	550	625
Z 轴行程 Z axis travel	m/min	850/1350/1850/2850/3850/4850/5850/7850		
X 轴快速移动 X-axis rapid feed	m/min	7.5		
Z 轴快速移动 Z-axis rapid feed	mm	18(1000、1500)6(2000 以上规格加装 1:3 行星减速机 More than 2000 specifications plus 1:3 planetary reducer))		
X 轴丝杠规格 (直径 / 螺距) X-axis screw Diameter/pitch	mm	32/05(南京工艺 Nanjing technology)		
Z 轴丝杠规格 (直径 / 螺距) Z-axis screw Diameter/pitch	Nm	50/12(100Q 150Q 2000)63/12(3000 以上规格 Specifications above 3000) (南京工艺 Nanjing technology)		
X/Z 轴电机扭矩 X/Z axis motor torque	mm	10/15		
尾架套筒直径 / 行程 Tailstock quill diameter/travel	—	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	mm	280X280 立式 4 工位 (常州) Vertical 4 station(常州 Changzhou)		
外圆车刀刀柄规格 External turning tool shank specification	mm	32×32		
镗孔刀刀柄最大直 径 Max.diameter of boring tool holder	mm	ϕ32		
X 轴定位精度 X axis Positioning accuracy	mm	0.03		
Z 轴定位精度 Z axis Positioning accuracy	mm	0.03(1000) 0.05(1500)		
X 轴重复定位精度 X axis Repeated positioning accuracy	mm	0.009		
Z 轴重复定位精度 Z axis Repeated positioning accuracy	mm	0.014(1000) 0.018(1500)		
卡盘直径 (手动) Chuck diameter (manual)	mm	ϕ400 三爪卡盘 3-jaw chuck	ϕ800 四爪单动卡盘 4-jaw single-action chucks	ϕ1000 四爪单动卡盘 4-jaw single-action chucks
中心架、跟刀架 Steady rest, Follow rest	-	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 rest ϕ30-ϕ160		
数控系统 CNC system	KVA	广州数控 GSK980TDi		
电气总容量 Total electrical capacity	mm	30		
机床外形尺寸 (长 X 宽 X 高) Machine dimension (L*W*H)	mm	3250×2050×2000(1000) 3750×2050×2000(1500) 4250×2050×2000(2000) 5250×2050×2000(3000) 6250×2050×2000(4000) 7250×2050×2000(5000) 8250×2050×2000(6000) 10250×2050×2000(8000)	3250×2150×2150(1000) 3750×2150×2150(1500) 4250×2150×2150(2000) 5250×2150×2150(3000) 6250×2150×2150(4000) 7250×2150×2150(5000) 8250×2150×2150(6000) 10250×2150×2150(8000)	3250×2250×2200(1000) 3750×2250×2200(1500) 4250×2250×2200(2000) 5250×2250×2200(3000) 6250×2250×2200(4000) 7250×2250×2200(5000) 8250×2250×2200(6000) 10250×2250×2200(8000)
机床重量 Machine weight	kg	5000(1000)5500(1500) 6000 (2000)6500(3000) 7300(4000)7800(5000) 8300(6000)9500(8000)	5500(1000)6000(1500) 6500(2000)7000(3000) 7800(4000)8200(5000) 8800(6000)10000(8000)	5800(1000)6300(1500) 6800 (2000)7300(3000) 8100(4000)8600(5000) 9100(6000)10300(8000)

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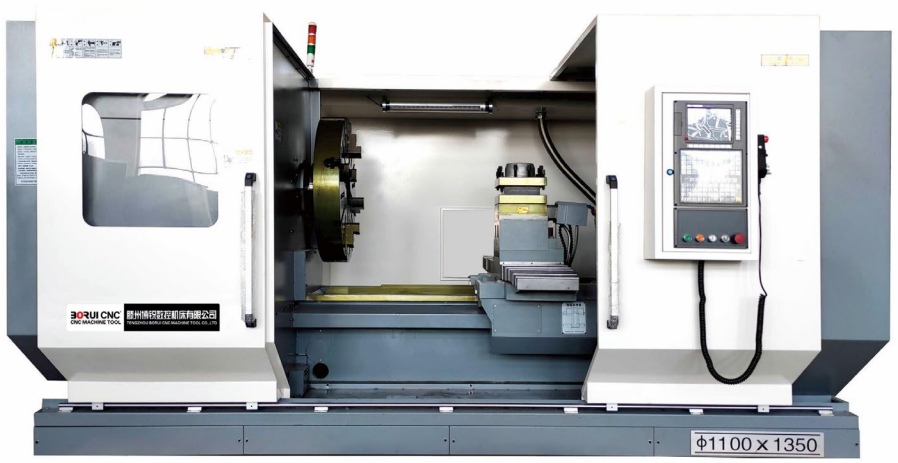
CAK80 CAK110 CAK125

700mm 导轨宽系列数控卧式车床

700 GUIDEWAY WIDE SERIES CNC HORIZONTAL LATHE



▶ 主要特点 MAIN FEATURES

- 机床采用加重新型整体床身，刚性高，运行稳定，排屑流畅，导轨宽度 700mm。
- 通过有限元法优化设计，具备高刚性、低热变形、高主轴转速、低温升、低振动及快速移动特点，设计达国际先进水平。
- 关键外购件（如数控系统、主轴轴承、滚珠丝杆）选用国际国内知名品牌，确保高可靠性。
- 先进结构与工艺保障高加工精度与长期精度保持性，工件一致性达 IT6-IT7 级精度，表面粗糙度 Ra1.6um。
- 关键零件（床身、床头箱、床鞍、尾座）采用先进设备加工，确保高精度与技术性能。
- 模块化设计支持多种配置（主轴、刀架、卡盘、尾座、系统等），满足多样化加工需求。
- 主传动系统标配手动四档变速，主轴通孔直径 130mm，刚性增强；外置油箱淋浴式润滑，充分润滑并散热，减少主轴发热对精度影响。

- The machine adopts weighted new integral bed, high rigidity, stable operation, smooth chip removal, and the width of the guideway is 700mm.
- through the finite element method optimization design, with high rigidity, low thermal deformation, high spindle speed, low temperature rise, low vibration and fast movement characteristics, the design reaches the international advanced level.
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- advanced structure and technology guarantee high machining accuracy and long-term accuracy retention, the consistency of the workpiece reaches IT6-IT7 level accuracy, surface roughness Ra1.6um.
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▶ 主要参数 PRODUCT PARAMETERS

TECHNICAL SPECIFICATIONS	Units	CAK86	CAK110	CAK125
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	1000/1500/2000/3000/4000/5000/6000/8000		
最大切削长度 Max.cutting length	mm	850/1350/1850/2850/3850/4850/5850/7850		
最大通过棒料直径 Max.diameter through the bar	mm	ϕ100(可定做 ϕ130 Customizable ϕ130)		
床脚结构 Bed foot structure	—	整体床身 Integral bed		
导轨宽度 Guideway width	mm	700		
主轴转速 Spindle speed	r/min	17-1000		
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(可定做 ϕ130 Customizable ϕ130)		
主轴锥孔规格 Spindle taper hole specification	—	ϕ120(1:20)		
主轴转速级数 Number of spindle speed	—	自动四挡 / 手动四挡，挡内无极 Automatic 4 setps /Manual 4 setps, stepless speed changing		
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	1425
X 轴行程 X axis travel	mm	420	550	625
Z 轴行程 Z axis travel	m/min	850/1350/1850/2850/3850/4850/5850/7850		
X 轴快速移动 X-axis rapid feed	m/min	7.5		
Z 轴快速移动 Z-axis rapid feed	mm	18(1000、1500)6(2000 以上规格加装 1:3 行星减速机 More than 2000 specifications plus 1:3 planetary reducer))		
X 轴丝杠规格 (直径 / 螺距) X-axis screw Diameter/pitch	mm	32/05(南京工艺 Nanjing technology)		
Z 轴丝杠规格 (直径 / 螺距) Z-axis screw Diameter/pitch	Nm	50/12(100Q 150Q 2000)63/12(3000 以上规格 Specifications above 3000) (南京工艺 Nanjing technology)		
X/Z 轴电机扭矩 X/Z axis motor torque	mm	10/15		
尾架套筒直径 / 行程 Tailstock quill diameter/travel	—	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	mm	280X280 立式 4 工位 (常州) Vertical 4 station(常州 Changzhou)		
外圆车刀刀柄规格 External turning tool shank specification	mm	32×32		
镗孔刀刀柄最大直 径 Max.diameter of boring tool holder	mm	ϕ32		
X 轴定位精度 X axis Positioning accuracy	mm	0.03		
Z 轴定位精度 Z axis Positioning accuracy	mm	0.03(1000) 0.05(1500)		
X 轴重复定位精度 X axis Repeated positioning accuracy	mm	0.009		
Z 轴重复定位精度 Z axis Repeated positioning accuracy	mm	0.014(1000) 0.018(1500)		
卡盘直径 (手动) Chuck diameter (manual)	mm	ϕ400 三爪卡盘 3-jaw chuck	ϕ800 四爪单动卡盘 4-jaw single-action chucks	ϕ1000 四爪单动卡盘 4-jaw single-action chucks
中心架、跟刀架 Steady rest, Follow rest	-	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 rest ϕ30-ϕ160		
数控系统 CNC system	KVA	广州数控 GSK980TDi		
电气总容量 Total electrical capacity	mm	30		
机床外形尺寸 (长 X 宽 X 高) Machine dimension (L*W*H)	mm	3250×2200×2000(1000) 3750×2200×2000(1500) 4250×2200×2000(2000) 5250×2200×2000(3000) 6250×2200×2000(4000) 7250×2200×2000(5000) 8250×2200×2000(6000) 10250×2200×2000(8000)	3250×2250×2150(1000) 3750×2250×2150(1500) 4250×2250×2150(2000) 5250×2250×2150(3000) 6250×2250×2150(4000) 7250×2250×2150(5000) 8250×2250×2150(6000) 10250×2250×2150(8000)	3250×2350×2200(1000) 3750×2350×2200(1500) 4250×2350×2200(2000) 5250×2350×2200(3000) 6250×2350×2200(4000) 7250×2350×2200(5000) 8250×2350×2200(6000) 10250×2350×2200(8000)
机床重量 Machine weight	kg	5600(1000)6100(1500) 6600 (2000)7100(3000) 7800(4000)8600(5000) 9200(6000)10600(8000)	6100(1000)6600(1500) 7100 (2000)7600(3000) 8400(4000)8800(5000) 9400(6000)11100(8000)	6400(1000)6900(1500) 7400 (2000)7700(3000) 8700(4000)9000(5000) 9700(6000)11400(8000)

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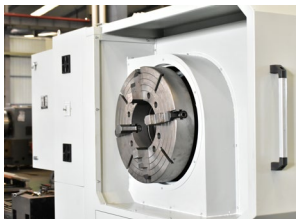
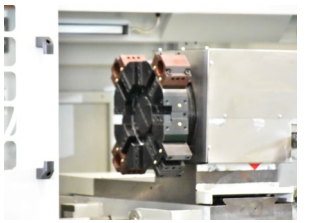
QK1313 QK1319 QK1322（550 导轨）
数控管子螺纹车床

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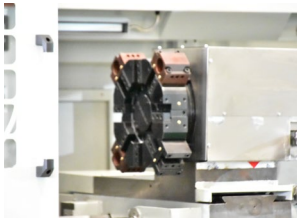
QK1313 QK1319 QK1322（600 导轨）
数控管子螺纹车床

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）

▶ 主要特点 MAIN FEATURES

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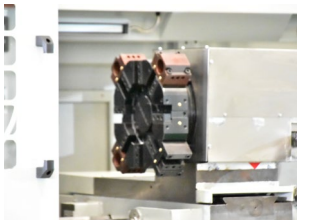

▶ 主要参数 PRODUCT PARAMETERS

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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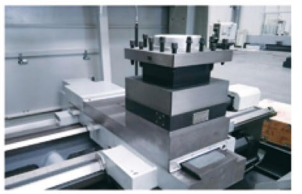
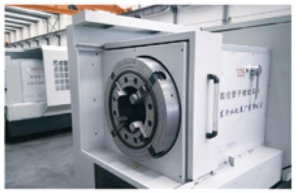
QKD1325 QKD1330 QKD1335（755 导轨）
数控管子螺纹车床
CNC PIPE THREADING LATHE（755 GUIDEWAY）

▶ 主要特点 MAIN FEATURES

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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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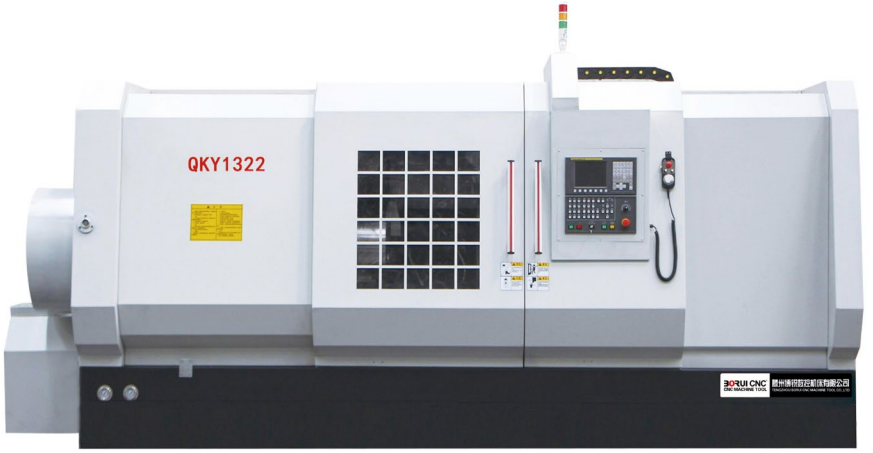
QKY 系列 45°斜床身数控管螺纹车床

QKY SERIES 45° SLANT BED CNC PIPE THREADING LATHE



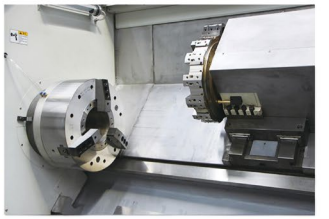
▶ 主要特点 MAIN FEATURES

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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