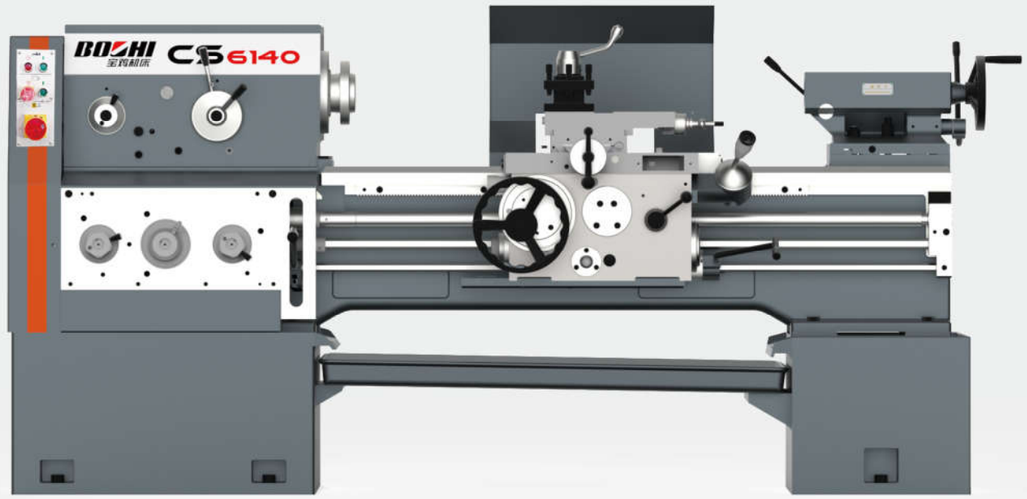
宝鸡机床集团有限公司
BAOJI MACHINE TOOL GROUP CO.,LTD
宝鸡忠诚机床股份有限公司
BAOJI ZHONGCHENG MACHINE TOOL CO.,LTD

普通卧式车床
Conventional horizontal lathe

匠 心 智 造 中 国 好 机 床



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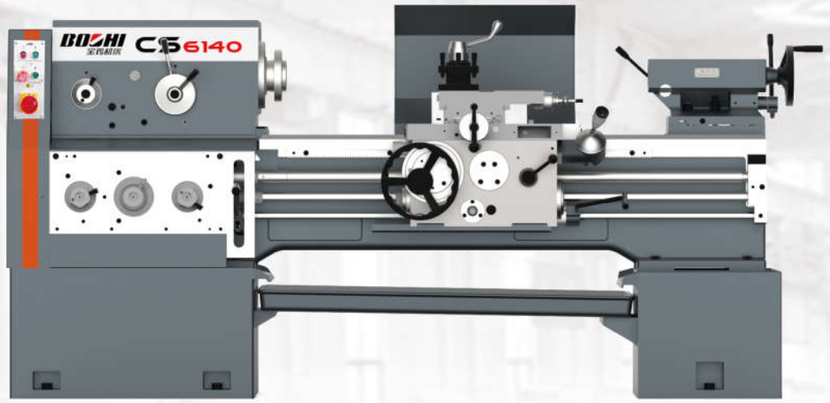
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本样册内所印各种说明及图片如有变动，恕不另行通知（202503版）
Design and specifications given herein are subject to change without prior（Version 20250.）

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CS61系列



01 产品概况 Product Instruction

CS61系列普通卧式车床能完成各种车削工作，如车削内外圆柱面、端面及其它旋转面，能车削各种常用公制、英制、模数、径节螺纹，以及钻孔、铰孔和拉油槽等工序。

CS61 series conventional horizontal lathe is capable of finishing all kinds of turning work, such as turning internal and external cylindrical surfaces, end surfaces and other rotary surfaces, turning all kinds of commonly used metric, imperial, modulus and diameter section threads, as well as drilling, reaming and pull oil groove and other processes.

02 性能优势 Performance advantages

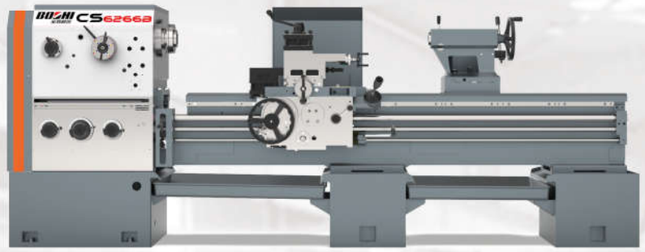
- 主轴采用三支撑结构，刚性好；
- 具有公制或英制进给传动系统，适应使用不同长度计量单位的地区和国家；
- 具有手动刹车和脚踏刹车，可供操作习惯不同的地区和国家；
- 可供不同电压(220V、380V、420V)，不同频率(50Hz、60Hz)的电气系统。

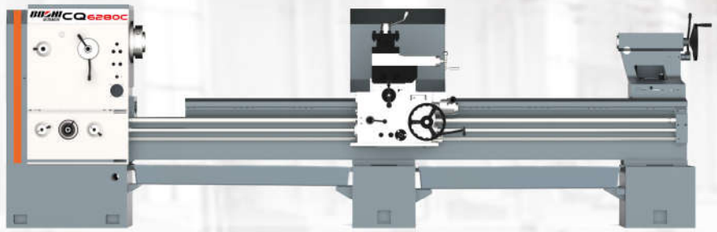
- Spindle adopts three sets of bearing support structure, good rigidity
- With metric or imperial feed drive systems to accommodate regions and countries that use different length measurement units;
- With manual brake and foot brake for regions and countries with different operating habits;
- Available for electrical systems with different voltages (220V, 380V, 420V) and frequencies (50Hz, 60Hz).

03 机床数据 Machine data

项目 Item			单位 Unit	CS6140	CS6150	CS6150B	CS6166B	CS6150C	CS6166C
加工范围 Capacity	床身上最大回转直径 Max. swing diameter over bed		mm	Φ400	Φ500		Φ660	Φ500	Φ660
	床鞍上最大回转直径 Max. swing diameter over slide		mm	Φ220	Φ300		Φ420	Φ300	Φ420
	最大工件长度 Max.workpiece length		mm	750/1000/1500/2000/3000					
主轴 Spindle	主轴孔径 spindle bore		mm	Φ52		Φ82		Φ105	
	主轴头形式 Spindle nose type			CS6140:ISO 702/III No.6 卡口型； 其余：ISO 702/II No.8凸轮锁紧型 CS6140:ISO 702/III No.6 bayout ； Other: ISO 702/II No.8 cam lock					
	主轴转速 Spindle speed		r/min	24级 9-1600				12级36-1600	
	主轴最大扭矩 Max. Spindle torque		N.m	1400				1200	
尾座 Tailstock	尾座套筒直径/行程 diameter/travel of quill		mm	Φ75/150					
	尾座顶尖锥度 Taper of tailstock center			MT5#					
进给和螺纹 Feed and thread	刀位数/刀方尺寸 Tool capacity/Tool section			4/25X25					
	上刀架最大行程 Max. Travel of upper tool-post		mm	145					
	下刀架最大行程 Max. travel of lower toolpost		mm	320			310	320	310
	横向进给范围 X-axis feeding range		mm/r	93种 0.027-2.73mm				65种 0.027-1.07mm	
	纵向进给范围 Z-axis feeding range		mm/r	93种 0.028-6.43mm				65种 0.063-2.52mm	
	公制螺纹范围 Metric threads		mm	48种（0.5-224）				22种 1-14	
	英制螺纹范围 Inch threads		t.p.i	48种 72-1/8tpi				25种 28-2tpi	
	模数螺纹范围 Module threads		π mm	42种 0.5-112				18种 0.5-7	
	径节螺纹范围 Diametric pitch threads		DP	42种 56-1/4				24种 56-4	
电机 Motor	冷却电机功率 Coolant pump motor		W	AOB-25 150W 25L/min					
	主电机功率 Spindle motor power		kW	7.5					
其它 Other	机床外形长度尺寸 Machine dimension Length	750	mm	2382					
		1000	mm	2632					
		1500	mm	3132					
		2000	mm	3632					
		3000	mm	4632					
	机床外形宽度尺寸 Machine dimension width		mm	975					
	机床外形高度尺寸 Machine dimension height		mm	1230	1270		1350	1270	1350
	机床净重 Machine net weight	750	kg	2475	2552		2650	2552	2650
		1000	kg	2550	2600		2700	2600	2700
		1500	kg	2750	2800		2900	2800	2900
		2000	kg	2950	3000		3100	3000	3100
		3000	kg	3350	3400		3500	3400	3500

CS62/CQ62系列





01 产品概况 Product Instruction

CS62/CQ62系列普通卧式马鞍车床能完成各种车削工作，如车削内外圆柱面、端面及其它旋转面，能车削各种常用公制、英制、模数、径节螺纹，以及钻孔、铰孔和拉油槽等工序。马鞍结构增大床身上回转直径，适用于车削各种扁平、异形及大型回转零件。

CS62/CQ62 series conventional horizontal gap bed lathe can complete various turning processing, such as turning internal and external cylindrical surfaces, end surfaces and other rotate surfaces, turning a variety of commonly used metric, imperial, modulus, and pitch threads, as well as drilling, reaming, and pulling oil grooving and other processes. The gap bed structure increases the rotary diameter of the bed, which is suitable for turning all kinds of flat,special-shaped parts and large rotary parts.

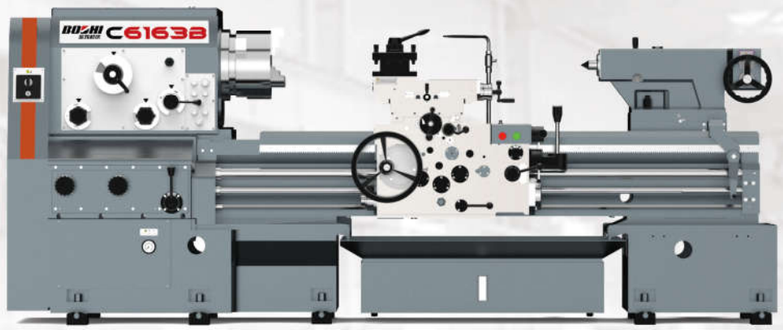
02 性能优势 Performance Advantages

- 主轴采用三支撑结构，刚性好；
- 具有公制或英制进给传动系统，适应使用不同长度计量单位的地区和国家；
- 具有手动刹车和脚踏刹车，可供操作习惯不同的地区和国家；
- 可供不同电压（220V、380V、420V），不同频率（50Hz、60Hz）的电气系统。
- Spindle adopts three sets of bearing support structure, good rigidity
- With metric or imperial feed drive systems to accommodate regions and countries that use different length measurement units;
- With manual brake and foot brake for regions and countries with different operating habits;
- Available for electrical systems with different voltages (220V, 380V, 420V) and frequencies (50Hz, 60Hz).

03 机床数据 Machine Data

项目 Item			单位 Unit	CS6240	CS6250	CS6250B	CS6266B	CQ6280B	CS6250C	CS6266C	CQ6280C
加工范围 Capacity	床身上最大回转直径 Max. swing diameter over bed		mm	Φ400	Φ500		Φ660	Φ800	Φ500	Φ660	Φ800
	马鞍内最大回转直径 Max. swing dia. in gap		mm	Φ630	Φ710		Φ870	Φ1000	Φ710	Φ870	Φ1000
	马鞍内有效长度 Effective Length in gap		mm	240							
	床鞍上最大回转直径 Max. Swing diameter over slide		mm	Φ200	Φ300		Φ420	Φ580	Φ300	Φ420	Φ580
	最大工件长度 Max.workpiece length		mm	750/1000/1500/2000/3000				2000/3000	750/1000/1500/2000/3000		2000/3000
主轴 Spindle	主轴孔径 spindle bore		mm	Φ52		Φ82			Φ105		
	主轴头形式 Spindle nose type			CS6240:ISO 702/III No.6 卡口型； 其余：ISO 702/II No.8凸轮锁紧型 CS6240:ISO 702/III No.6 bayout ； Other: ISO 702/II No.8 cam lock							
	主轴转速 Spindle speed		r/min	24级 9-1600				24级 8-1400	12级 36-1600		12级 30-1400
	主轴最大扭矩 Max. Spindle torque		N.m	1400				1200			
尾座 Tailstock	尾座套筒直径/行程 Quill diameter of tailstock/travel		mm	Φ75/150				Φ90/150	Φ75/150		Φ90/150
	尾座顶尖锥度 Taper of tailstock center			MT5#							
进给和螺纹 Feed and thread	刀位数/刀方尺寸 Tool capacity/Tool section			4/25×25							
	上刀架最大行程 Max. Travel of upper tool-post		mm	145							
	下刀架最大行程 Max. travel of lower toolpost		mm	320			310	320	320	310	320
	横向进给范围 X-axis feeding range		mm/r	93种 0.027-2.73mm					65种 0.027-1.07mm		
	纵向进给范围 Z-axis feeding range		mm/r	93种 0.028-6.43mm					65种 0.063-2.52mm		
	公制螺纹范围 Metric threads		mm	48种（0.5-224）					22种 1-14		
	英制螺纹范围 Inch threads		t.p.i	48种 72-1/8tpi					25种 28-2tpi		
	模数螺纹范围 Module threads		π mm	42种 0.5-112					18种 0.5-7		
	径节螺纹范围 Diametric pitch threads		DP	42种 56-1/4DP					24种 56-4DP		
电机 Motor	冷却泵电机功率 Coolant pump motor		W	AOB-25 150W 25L/min							
	主轴电机功率 Spindle motor power		kW	7.5 kW							
其他 Other	机床外形长度尺寸 Machine dimension Length	750	mm	2382				-	2382		-
		1000	mm	2632				-	2632		-
		1500	mm	3132				-	3132		-
		2000	mm	3632				3565	3632		3565
		3000	mm	4632				4565	4632		4565
	机床外形宽度尺寸 Machine dimension width		mm	975				1340	975		1340
	机床外形高度尺寸 Machine dimension height		mm	1230	1270		1350	1490	1270	1350	1490
	机床净重 Machine net weight	750	kg	2475	2552		2650	-	2552	2650	-
		1000	kg	2550	2600		2700	-	2600	2700	-
		1500	kg	2750	2800		2900	-	2800	2900	-
		2000	kg	2950	3000		3100	3650	3000	3100	3650
		3000	kg	3350	3400		3500	3950	3400	3500	3950

C61(2)63B/80A系列



01 产品概况 Product Instruction

C6163B/C6180A系列普通卧式车床、C6263B/C6280A系列普通卧式马鞍车床能完成各种车削工作，如车削内外圆柱面、圆锥面、以及其它回转面、端面，还可加工各种常用螺纹——如公制、英制、模数、径节螺纹，以及钻、铰、攻丝、拉削线槽等工序。

C6163B/C6180A series of conventional horizontal lathes, C6263B/C6280A series of conventional horizontal gap bed lathe can complete a variety of turning processing, such as turning internal and external cylindrical surfaces, conical surfaces, and other rotary surfaces, end surfaces, but also processing a variety of commonly used threads - metric, imperial, modulus, and pitch threads, as well as drilling, reaming, tapping, broaching and slotting processes.

02 性能优势 Performance Advantages

- 高抗扭水平面床身，优质铸铁精心制造，并对导轨面进行感应淬火精密处理，床面宽560mm；
- 由粘有聚四氟乙烯导轨软带组成的导轨副耐磨、吸振、精度保持性好；
- 主轴采用三支撑结构，刚性好、精度高，可强力切削。主轴通孔直径为φ105mm；
- 14级的宽调速范围，可选择比较合理的转速；
- 可直接车削公制和英制螺纹；
- 主轴旋转可点动控制、快速制动。

● High resistance torque flat bed, high quality cast iron carefully manufactured, and harden treatment about guideway, bed width 560mm;

●The guideway uses turcite and precision hand scraping processes, guideway is wear resistant, vibration absorbing, and maintains accuracy well;

●Spindle adopts three sets of bearing support structure with good rigidity and high precision for strong cutting. The spindle through hole diameter is φ105mm;

●A wide speed range of 14 steps allows selection of a more reasonable speed;

●Turning metric and imperial threads

●Spindle rotation can be controlled by jogging and quick braking.

03 机床数据 Machine Data

项目 Item		单位 Unit	C6163B系列 C6263B系列	C6180A系列 C6280A系列
加工范围 Capacity	床身上最大回转直径 Max. swing diameter over bed	mm	φ660	φ830
	床鞍上最大回转直径 Max. swing diameter over slide	mm	φ400	φ540
	马鞍内最大回转直径 Max. swing dia. in gap	mm	φ800	φ970
	两顶尖之间最大距离 Max. distance between centers	mm	1500/2000/3000/4000	
	马鞍有效长度 Effective Length in gap	mm	300	
	床身导轨宽度 bed guideway width	mm	560	
主轴 Spindle	主轴通孔直径 Spindle bore diameter	mm	φ105	
	主轴孔锥度 Spindle bore taper		1:20(公制锥度)	
	主轴头形式 Spindle nose type		A2-11	
	主轴转速 Spindle speed	r/min	14级 12.5-1120	
	主轴最大扭矩 Max. Spindle torque	N.m	低于70r/min时，1097.6N.m	
进给和螺纹 Feed and thread	上刀架最大行程 Max. Travel of upper tool-post	mm	200	
	下刀架最大行程 Max. travel of lower toolpost	mm	480	515
	刀具截面 Tool section	mm	32×32	
	横向进给范围 X-axis feeding range	mm/r	64种 0.031-7.0	
	纵向进给范围 Z-axis feeding range	mm/r	64种 0.062-14.0	
	公制螺纹范围 Metric threads	mm	38种 0.5-56	
	英制螺纹范围 Inch threads	t.p.i	43种 56-0.5	
	模数螺纹范围 Module threads	π mm	21种0.25-7	
	径节螺纹范围 Diametric pitch threads	DP	27种 56-4	
尾座 Tailstock	尾座套筒直径 Diameter of quill	mm	φ100	
	尾座套筒最大行程 Max.travel of quill	mm	250	
	尾座套筒孔锥度（莫氏） Tailstock quill bore taper (		莫氏No.5 MorseNO.5	
电机 Motor	主电机功率 Spindle motor power	kW	11	
	冷却泵电机功率 Cooling pump motor power	kW	0.18	
其它 Other	机床长度 Machine length	mm	3500/4000/5000/6000	
	机床宽度 Machine width	mm	1260	1370
	机床高度 Machine Height	mm	1385	1470
	总重量 Total weight	kg	4200/4500/5000/5800	4500/4800/5300/6100