



KINWA
金和車床

金和精密車床 KINWA HEAVY DUTY PRECISION LATHE



CHR 系列Series

旋徑Swing 860~1020mm

兩心間距Between centers 2000~7000mm

主軸孔徑Spindle bore 104mm

主軸馬達Spindle motor 20HP/4P, 15HP/6P

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CHR-860/1020x2000,3000

- 主軸孔徑104mm
- 主軸鼻端A1-11 (可選購D1-11)
- 三點支持的主軸軸承.
- Spindle bore is 104mm
- Spindle nose is A1-11 (Option is D1-11)
- Spindle is supported by three bearings.



- 腳踏剎車裝置
- Foot-operated braking system.

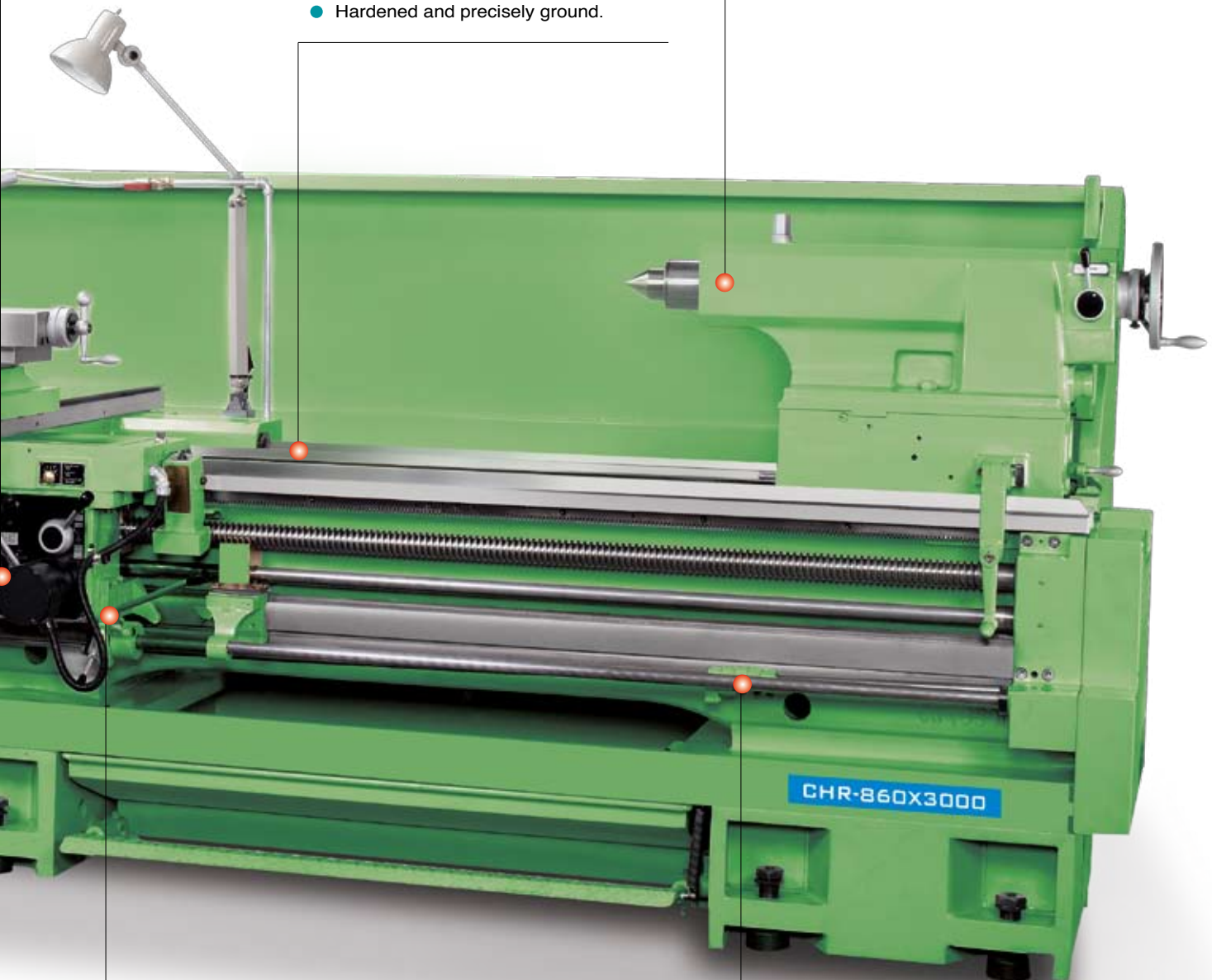
- 有安全裝置的起動停止把手
- Start and stop lever with safety device.

00,4000,5000,6000,7000

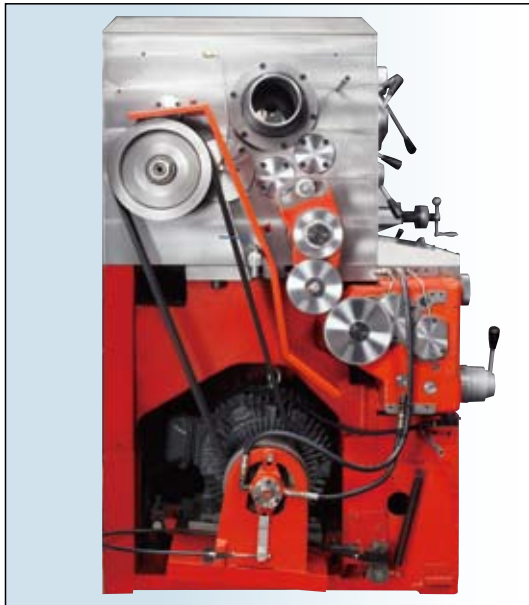
- 床護快送
- Rapid traverse for longitudinal

- 床面寬度560mm
- 床軌熱處理及精密研磨
- Width bed is 560mm.
- Hardened and precisely ground.

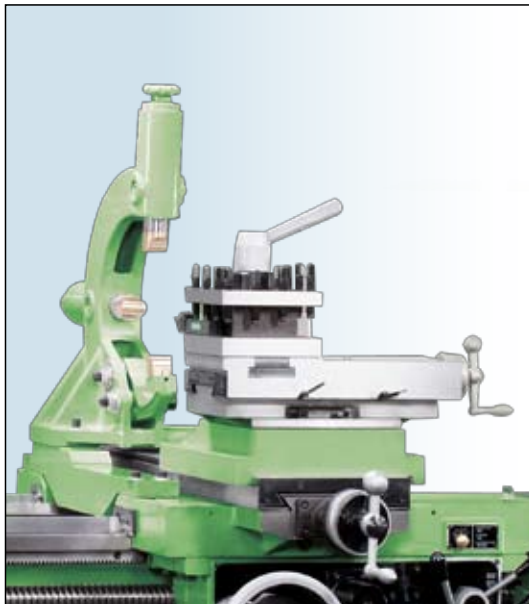
- 強壯且容易操作的尾座
- 心軸直徑100mm
- 尾座本體採特殊設計,可輕易推動。
- Powerful and easy to operate tailstock.
- Quill diameter is 100mm
- Tailstock body can easy to move by special design.



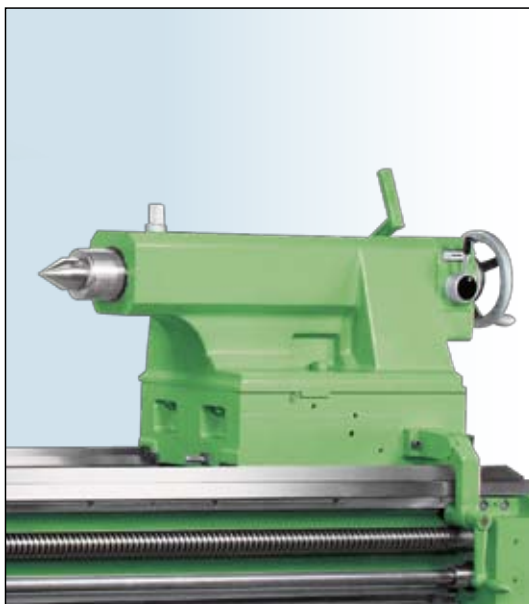
- 縱送多段自動定寸裝置
- Multi-position length stop



- 馬達15HP/6P或20HP/4P
- 多重牙口車削指引裝置
- 主軸採用泵浦強制潤滑系統
- 馬達使用腳踏板連接剎車線的鼓式剎車系統
- 齒輪箱為泵浦強制潤滑
- Main motor is 15HP/6P or 20HP/4P.
- Multi-start threads indexing device.
- Forced lubrication system of spindle is employed by pump.
- Drum type brake system for main motor connected to pedal with a brake wire.
- The lubricating to gear box is forcedly obtained by pump.



- 三點式跟刀架 $\Phi 40\sim 240\text{mm}$
- 橫向滑板熱處理研磨, 提高使用壽命.
- 橫向螺桿採浸油方式設計, 提高順暢度及耐磨耗.
- 刀架可選用美式T型槽.
- Three-point support follow rest $\Phi 40\sim 240\text{mm}$
- Cross slide is hardened and ground to prolong operation life.
- Cross slide screw is oil bathed to maintain smoothness and wear resistance.
- Tool post can choose American T-slot type.



- 使用容易操作的推拉式固定桿及固定螺栓來固定尾座
- 尾座本體下方設有防止尾座後退的機構.
- 特殊設計尾座可以輕易使用搖桿移動尾座本體.
- Clamping of tailstock is done by easy to operate push-pull clamping lever and clamping bolt.
- Stopper is equipped underneath of tailstock to avoid danger of slipping of tailstock.
- Special design provides the tailstock body to easy move by tailstock carrier.

標準配備及附件

- 主馬達20HP/4P
- 主軸孔徑104mm
- 主軸鼻端A1-11
- 尾座心軸直徑 $\Phi 100\text{mm}$
- 軸承式中心架 $\Phi 380\sim 560\text{mm}$
- 固定頂針MT#6
- 床護快送
- 冷卻裝置
- 工作燈
- 工具箱及調整工具
- 水平調整螺絲及墊塊
- 縱送多段自動定寸裝置

Standard Equipments and Accessories

- Main motor 20HP/4P
- Spindle bore 104mm
- Spindle nose A1-11
- Quill diameter of tailstock is $\Phi 100\text{mm}$
- Steady rest with roller jaw $\Phi 380\sim 560\text{mm}$
- Dead center MT#6
- Rapid traverse
- Coolant system
- Work light
- Tool box and Service kits
- Leveling screws and Foundation pads
- Multi-position length stop

選購配備及附件

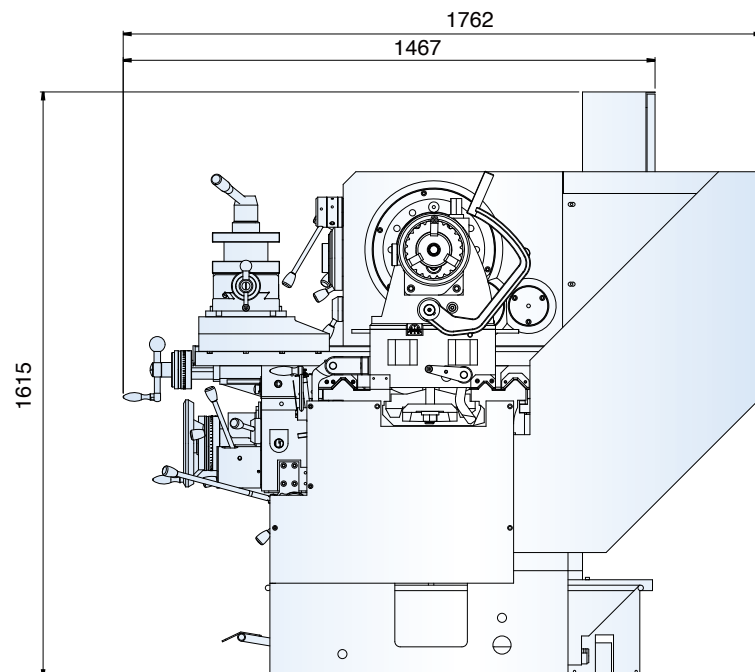
- 手動三爪夾頭
- 手動四爪單動夾頭
- 面盤(花盤)
- 主馬達15HP/6P
- 主軸鼻端D1-11
- 尾座心軸直徑 $\Phi 130\text{mm}$
- 軸承式中心架 $\Phi 205\sim 385\text{mm}$
- 跟刀架 $\Phi 40\sim 240\text{mm}$
- 鑽孔裝置
- 斜度附件
- 四段定位
- 大檔板

Optional Equipments and Accessories

- 3-jaw manual chuck
- 4-jaw manual independent chuck
- Face plate
- Main motor 15HP/6P
- Spindle nose D1-11
- Quill diameter of tailstock is $\Phi 130\text{mm}$
- Steady rest with roller jaw $\Phi 205\sim 385\text{mm}$
- Follow rest $\Phi 40\sim 240\text{mm}$
- Drill attachment
- Taper turning attachment
- Turret carriage stop
- Full length splash guard

▲ 詳細配備及配件依報價單為主. Detail equipment and accessories depends on the quotation.

外觀尺寸圖 Dimensional Drawing



機械規格Specifications

項目Item		CHR-860	CHR-1020
容量 Capacity	床面上旋徑Swing over bed	Φ 860mm	Φ 1020mm
	鞍面上旋徑Swing over carriage	Φ 610mm	Φ 770mm
	凹口上旋徑Swing over gap	Φ 1170mm	Φ 1330mm
	從面板算起凹口長度 Width of gap in front of face plate	360mm	
	兩心間距Distance between centers	2050、3050、4050、5050、6050、7050mm	
	床面寬度Width of bed	560mm	
	車刀台行程Stroke of tool post	220mm	
	橫向滑座行程Stroke of cross slide	540mm	
主軸箱 Headstock	主軸孔徑Spindle bore	Φ 104mm	
	主軸鼻端Spindle nose	A1-11 (D1-11選購Option)	
	主軸孔及中心針斜度 Taper of spindle bore & center	MT7xMT5	
	主軸速度變換數Number of spindle speeds	16	
	主軸速度Spindle speed (4P, 60HZ)	12、16、22、30、41、56、77、105、 135、183、252、343、475、640、885、1200 rpm	
	主軸速度Spindle speed (6P, 60HZ), 選購Option	8、11、17、20、27、37、51、70、 90、122、168、229、317、427、590、800 rpm 6、8、11、15、21、28、39、52、 68、91、126、172、236、320、442、600 rpm	
螺紋及進給 Threading & Feeds	進給變換數Number of feeds	90	
	縱向進給範圍 range of longitudinal feeds (mm)	細Fine	0.012~0.044 (20)
		普通Normal	0.06~0.89 (40)
		粗Coarse	1.01~7.12 (30)
	縱向進給範圍 range of longitudinal feeds (inch)	細Fine	0.00048"~0.00168" (20)
		普通Normal	0.0024"~0.0337" (40)
		粗Coarse	0.0384"~0.2694" (30)
	橫向進給範圍Range of cross feeds	1/2縱向進給Half of longitudinal feeds	
	導螺桿直徑Leadscrew diameter	Φ 48mm	
	導螺桿螺距Leadscrew pitch	2TPI、P12	
尾座 Tailstock	英制螺紋範圍Range of inch pitches	2~28TPI (40)	
	公制螺紋範圍Range of metric pitches	粗牙Coarse	5/8"~8" (16)
		1~14mm (31)	
		粗牙Coarse	16~200mm (61)
馬達 Motor	心軸移動量Quill stroke	280mm	
	心軸直徑Quill diameter	Φ 100mm (Φ 130mm選購Option)	
	心軸斜度Quill taper	MT#6	
機械尺寸 Machine dimension	馬達Main motor	20HP/4P (15HP/6P選購Option)	
	切削液馬達Coolant pump motor	1/4HP	
	機械高度Height	1400mm	
	佔地面積Floor space	4200、5200、6200、7200、8200、9200mm x 1500mm	
	機械重量Weight	4700~9500 kgs	

▲ 以上規格如有變更恕不另行通知Specification are subject to change without notice.

▲ 實際規格數據依訂單確認為主Actual specification depends on purchase order.



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