

KINWA  
金和車床

CE ISO 9001  
CERTIFIED

## 高速精密車床系列



**High Speed Precision Lathe Series**



- 橫向滑板熱處理研磨，且熱處理浸油。
- Cross slide is hardened and ground to prolong operation life. Cross slide screw is hardened and oil bathed.



# CH-400x800,1100 CH-430x800,1100,1700 CH-530x800,1100,1700

完美的圓弧設計、美觀、耐用，精度持久。  
便利的操作，安全可靠。

- 床身採用米漢納鑄鐵，熱處理及精密研磨（硬度HS70°）。
- 可調整車身，橫送台單方給油或同時給油之分油器。
- 自動兼手動之強制給油泵，潤滑範圍包括橫送台，車床滑動面。
- 有安全裝置的起動停止把手。
- 能瞬間停機的剎車裝置。
- Bed is made of meehanite and is hardened and precisely ground, Hardness is HS 70 degree.
- Automatic and manual forced Lubrication pump supplies oil to cross slide and bedways.
- Oil distributor may be adjusted to lubricate bedway, cross slide, or both.
- Starting lever with safety device.
- Emergency foot-operated braking system.



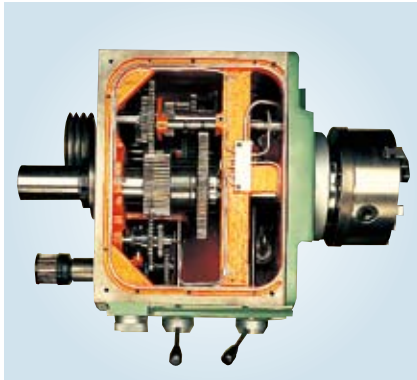
CH-530x1100



CH-400x1100

# 高速精密車床

## High speed precision Lathe

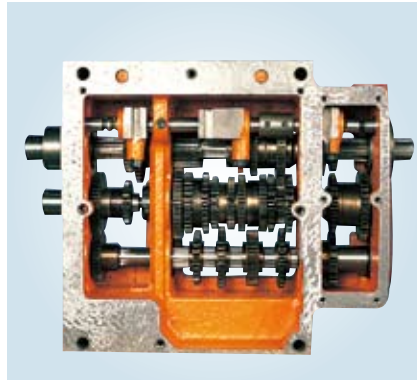


### 主軸箱：

使用熱處理研磨一級齒輪，泵浦強制潤滑系統，P級軸承三點支持。

### HEADSTOCK:

Gear in the headstock are treated by cementation and precisely ground. Forced lubrication system is employed. Spindle is supported by three P grade taper roller bearings.



### 齒輪箱：

公、英制共用齒輪箱，齒輪經熱處理。

### GEAR BOX:

It offers a comprehensive range of inch and metric threads without the use of change gears. All gears in the gear box are hardened.



### 床護：

手動自動兩用泵浦，潤滑橫向滑座床軌，進刀可調式，過負載裝置，確保安全。

### APRON:

Apron is equipped with a manual and automatic lubrication system. It will keep cross slide ways and bedways clean and lubricated. The apron is equipped with an overload protection device to avoid machine damage.



CH-430x1100

\* 展示圖片包括選購品 The optional equipment is included on the picture.



機械規格 Specifications

\* 選購(option)

項目 Item		CH-400	CH-430	CH-530
容量 Capacity	床面上旋徑 Swing over bed	406mm	432mm	532mm
	鞍面上旋徑 Swing over carriage	238mm	268mm	368mm
	凹口上旋徑 Swing over gap	580mm	610mm	710mm
	從面板上算起凹口長度 Width of gap in front of face plate	150mm		
	兩心間距離 Distance between centers	767, 1067, 1667mm		
	床面寬度 Width of bed	300mm		
	車刀台行程 Stroke of tool post	145mm		
	橫向滑座行程 Stroke of cross slide	265mm		
主軸箱 Headstock	主軸孔徑 Spindle bore	51mm	58mm (78mm)*	
	主軸孔及中心針斜度 Taper of spindle bore & center	MT6xMT4		
	主軸鼻端 Spindle nose	A1-6,D1-6 (A2-6)*		
	主軸速度變換數 Number of spindle speeds	8	12	
	主軸速度 Spindle speed (60HZ)	70,110,180,290, 430,690,1125, 1800rpm	35,52,75,110,160,230, 330,490,650,950,1350,2000rpm	
螺紋和進給 Threading & Feeds	進給變換數 Number of feeds	36		
	縱向進給範圍 Range of longitudinal feeds 公制 metric	0.07~0.50mm/rev	0.037~1.04mm/rev (P=6mm) 0.035~0.98mm/rev (4TPI)	
	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	35mm		
	導螺桿螺距 Leadscrew pitch	4TPI, P=6mm		
	英制螺紋範圍 Range of inch pitches	4~42TPI(36 Kinds)	2~72TPI(44 Kinds)	
	公制螺紋範圍 Range of metric pitches	0.4~7.0mm (36 Kinds)	0.2~14 mm(39 Kinds)	
尾座 Tailstock	心軸移動量 Quill stroke	170mm		
	心軸直徑 Quill diameter	60mm		
	心軸斜度 Quill taper	MT#4		
馬達 Motor	主軸馬達(30分) Main motor (30 min.)	5HP (7.5HP)*		
	切削液馬達 Coolant pump motor	1/8HP		
機械尺寸 Machine dimension	機械高度 Height	1400mm		
	佔地面積 Floor space	2000,2300,2900 × 1000mm		
	機械重量 Weight	1450,1550kgs	1500,1600,1800kgs	1600,1700,1900kgs

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

標準配備及附件

- 9"SK三爪夾頭
- 主軸套筒MT6xMT4
- 中心針(MT4) 2只
- 水平調整螺絲
- 調整工具及工具箱
- 馬達5HP/4P
- 中心架
- 7", 9" 連接盤
- 切削油裝置
- 縱送多段自定寸裝置
- 工作燈

Standard equipment & accessories

- Center sleeve MT6xMT4
- Dead center (MT4) 2 PC
- Leveling screws
- Service kits & Tool box
- Main motor 5HP/4P
- 7",9" backplate
- Coolant system
- Multi-position length stop

特別配備及附件

- 跟刀架
- 面板 (350mm)
- 四段微調定位器
- 斜度附件
- 四爪夾頭
- 後刀架
- 馬達7.5HP/4P
- 大擋板
- 鑽孔裝置
- 主軸孔徑78mm  
(CH430/530機型)

Optional equipment & accessories

- Steady rest
- Follow rest
- Face plate (350mm)
- Micro carriage stop
- Turret micro carriage stop
- Taper turning attachment
- 3-jaw chuck
- 4-jaw chuck
- Work light
- Rear toolpost
- Main motor 7.5HP/4P
- Full length splash guard
- Drill attachment
- Spindle bore 78mm  
(for CH430/530)

\* CH530系列只生產無凹式床身



- 全國唯一橫向熱處理研磨，提高使用壽命3倍以上。橫向螺桿也熱處理浸油。
- Cross slide is hardened and ground to prolong operation life. Cross slide screws is hardened and oil bathed

- 公、英制共用牙箱，並配有過負荷折斷安全削。
- It offers a comprehensive range of inch and metric threads. Output shaft is designed with safety pin to protect gear box from damage.

# CHD-560x900,1500,2300,3000,4000 CHD-660x900,1500,2300,3000,4000 CHD-760x900,1500,2300,3000

400mm 寬床身，86mm主軸孔，另有104mm  
長寬皆精密，勁道十足

- 三點支持主軸皆用P級斜度滾柱軸承，86mm主軸孔。
- 主軸採用泵浦強制潤滑系統。
- 合金鋼滲碳熱處理精密研磨一級齒輪。
- Spindle is supported by three P grade taper roller bearings.
- Spindle bore is  $\phi 86\text{mm}$ .
- Forced lubrication system is employed by pump.
- Gear in headstock are made of chromium molybdenum steel, treated by cementation and precisely ground.



# 中型精密車床

## Medium Precision Lathe

- 床護有自動泵浦潤滑縱、橫向滑動面。並配有自動進刀扭力調整裝置。
- 床護加裝快送時，則為手動潤滑給油裝置。
- Automatic and manual forced lubrication pump supplies oil to cross slide and bedways. Oil distributor may be adjusted to lubricated bedway. Cross slide, or both.

- 床身為米漢納鑄鐵，熱處理及精密研磨（硬度HS70°）
- Bed is made of meehanite and is hardened and precisely ground, Hardness is HS 70 degree.

- 尾軸  $\phi 80\text{mm}$  滲碳熱處理研磨，並配1:1 及 1/4:1 進給變換、鑽孔輕鬆。
- A large tailstock quill  $\phi 80\text{mm}$  is made of chromium molybdenum steel treated by cementation and then precisely ground. With 1:1 and 1/4:1 changeable feeds, it offers easy drilling.



### 機械規格 Specifications

項目Item		CHD-560	CHD-660	CHD-760
容量 Capacity	床面上旋徑 Swing over bed	560mm	660mm	760mm
	鞍面上旋徑 Swing over carriage	340mm	445mm	548mm
	凹口上旋徑 Swing over gap	797mm	892mm	990mm
	從面板上算起凹口長度 Width of gap in front of face plate	270mm		
	兩心間距離 Distance between centers	808, 1443, 2218, 2968, 3983mm		
	床面寬度 Width of bed	400mm		
	車刀台行程 Stroke of tool post	242mm		
	橫向滑座行程 Stroke of cross slide	400mm		
主軸箱 Headstock	主軸孔徑 Spindle bore	86mm (104mm)	104mm	
	主軸孔及中心針斜度 Taper of spindle bore & center	MT7xMT5		
	主軸鼻端 Spindle nose	A1-8,D1-8 (A2-8,D2-8)	A2-8,D2-8	
	主軸速度變換數 Number of spindle speeds	12		
	主軸速度 Spindle speed (60HZ)	4P:13,20,30,47,70,105,150,230,340,530,800,1200rpm 6P: 8,13,20,31,47,70,100,150,230,350,530,800rpm		
螺紋和進給 Threading & Feeds	進給變換數 Number of feeds	36		
	縱向進給範圍 Range of longitudinal feeds 公制 metric	0.037~1.04mm/rev (P=6mm,12mm) 0.035~0.98mm/rev (4TPI,2TPI)		
	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	45mm		
	導螺桿螺距 Leadscrew pitch	4TPI,P=6mm (2TPI,P=12mm)		
	英制螺紋範圍 Range of inch pitches	2~72TPI/44Kinds (1~42TPI/48Kinds)		
	公制螺紋範圍 Range of metric pitches	0.2~14mm/39Kinds (0.4~28mm/44Kinds)		
尾座 Tailstock	心軸移動量 Quill stroke	250mm		
	心軸直徑 Quill diameter	80mm		
	心軸斜度 Quill taper	MT#5		
馬達 Motor	主軸馬達(30分) Main motor (30 min.)	10HP/4P		7.5HP/6P
	切削液馬達 Coolant pump motor	1/8HP		
機械尺寸 Machine dimension	機械高度 Height	1500mm		
	佔地面積 Floor space	2300,2900,3700,4500,5500 × 1200mm		
	機械重量 Weight	2300,2400,2900, 3100,3600 kgs	2400,2500,3000, 3200,3700 kgs	2600,2700,3200, 3400kgs

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

### 標準配備及附件

- 10" SK三爪夾頭(ø86孔)
- 12" SK三爪夾頭(ø104孔)
- 主軸套筒MT7xMT5
- 中心針(MT5) 2只
- 水平調整螺絲,調整工具
- 馬達10HP/4P
- 馬達7.5HP/6P (CHD-760)
- 中心架40~255mm
- 10",12" 連接盤
- 切削油裝置
- 縱送多段自 定寸裝置
- 床護快送  
(2300,3000,4000車床用)
- 工作燈

### Standard equipment & accessories

- Center sleeve MT7xMT5
- Dead center (MT5) 2 PCS
- Leveling screws, Service kits
- Main motor 10HP/4P
- 10" backplate
- Coolant system
- Multi-position length stop
- Rapid traverse for 2300, 3000,4000

### 特別配備及附件

- 跟刀架
- 面板 (500mm)
- 四段微調定位器
- 斜度附件
- 四爪夾頭
- 中心架190~405mm

### Optional equipment & accessories

- Spindle bore 104mm
- 12" backplate for ø104mm
- Follow rest
- Face plate (500mm)
- Turret micro carriage stop
- Taper turning attachment
- 4-jaw chuck
- Work light
- Steady rest 40~255mm
- Steady rest 190~405mm
- 10" 3-jaw chuck
- 12" 3-jaw chuck



# 高速車床特別配件

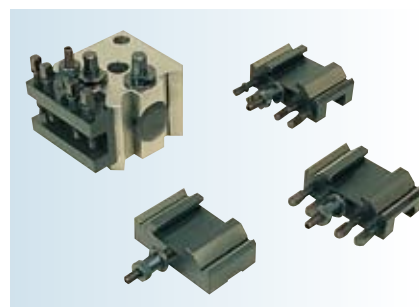
## Optional accessories for lathe



1. 強力三爪夾頭(SK)  
3-Jaws strong scroll chuck



2. 四爪花盤  
Face plate with 4-Jaws



3. 快速變換刀架  
Quick change toolpost



4. 普通三爪夾頭(SC)  
3-Jaws scroll chuck



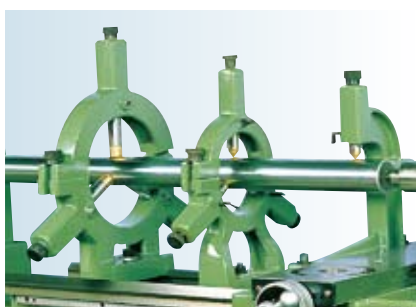
5. 四爪夾頭  
4-Jaws chuck



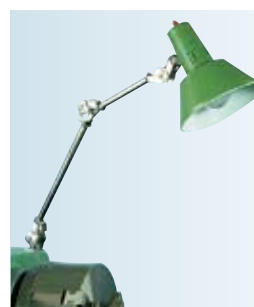
6. 夾頭蓋  
Chuck guard



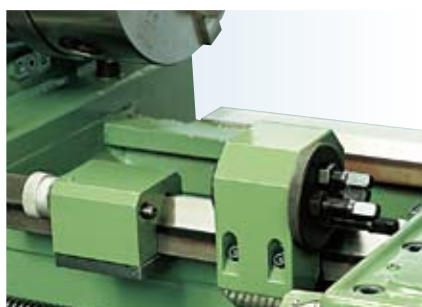
7. 花盤  
Face plate



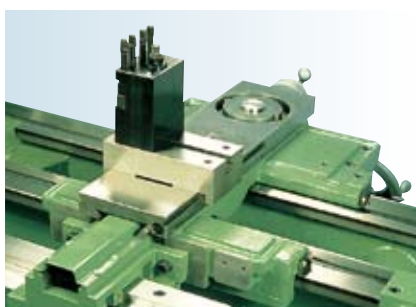
8. 跟刀架·中心架  
Follow rest, steady rest



9. 工作燈  
Work light



10. 微調裝置·四點定位裝置  
Micro carriage stop,  
Turret carriage stop



11. 後刀架·斜度附件  
Rear toolpost  
Taper turning attachment



12. 鑽孔裝置  
Drill attachment





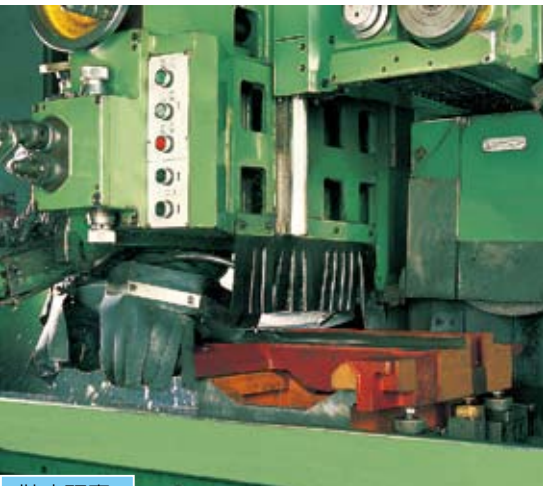
主軸箱二次  
精密加工

2nd finished machining for  
Headstock



高速組合

Manual Lathes Assembled



鞍座研磨

Carriage Grinded



FMS



床身研磨

Bed Grinded



床身銑削

Bed Milled

金竝(和)機械自1968年創立以來，本著穩健踏實的經營理念，不斷投入鉅資，增購歐、日精密自動化加工及檢測設備，以製造精密耐用之工作母機，提供顧客完善服務為榮。

本公司自1980年起，高速車床與台灣金剛公司以Kingston為品牌合作，銷美數額每年均名列前茅。

1985年起，本公司分散市場，以浜松為品牌名稱，透過日商蕃能其以OEM方式合作拓銷全日本市場。同時，銷日機器皆經日本JQA檢驗合格，此為台灣工作母機經JMI完全檢驗銷日的第一名，為平衡中日貿易逆差，貢獻不小。

本公司目前產品項目包括高效率CNC車床、高速精密車床等項類，歡迎使用戶蒞臨本公司全省各處代理商洽購。



CHIN HUNG MACHINERY CO.,LTD. was established in 1968, managed by steady, practical, and rational concept, and invested a large sum of money in installing automatic processing and inspection equipment for producing high-precision, durable lathes. We offer perfect service for customers.

The high speed precision lathe of CHIN HUNG was cooperated with Kingston Machine Tool Mfg., Inc., by mark "KINGSTON" from 1980. The sales volume always keeps on the top of the list of successful manufacturers.

For expanding the market from 1985, high speed precision lathes were exported to Japan by O.E.M. with mark "HAMAMATSUKOKI" through G-NET and inspected by J.M.I. (Japan Machinery & Metal Inspection Institute) up to standard. Chin Hung is the first company who passed the inspection by J.M.I. in Taiwan's machine tools. It has large contribution for the balance of trade deficit on Japan and R.O.C.

Our main products are CNC lathe, High Speed Precision Lathe.

Welcome to visit CHIN HUNG MACHINERY CO.,LTD. and distributor in Taiwan.



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