

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.

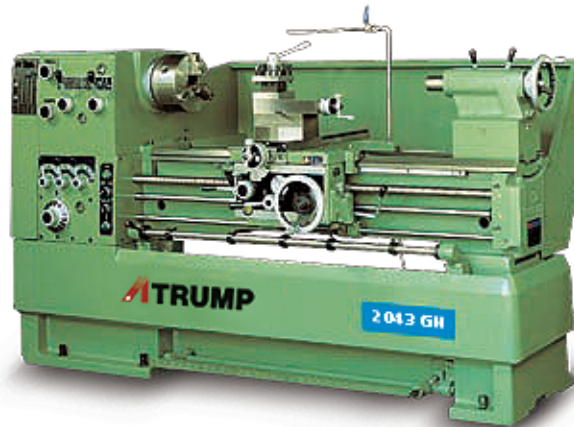


- 此圖僅供參考，各機種不同。
- The photo is only for reference, depends on different model.

1630GH,1643GH 1730GH,1743GH,1767GH 2030GH,2043GH,2076GH

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.



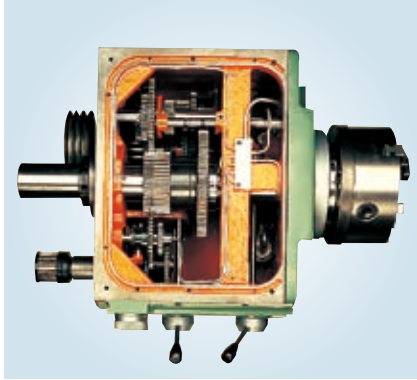
CH-530x1100



CH-400x1100

High speed precision Lathe

可選用P5級主軸軸承，機種代號為HP。

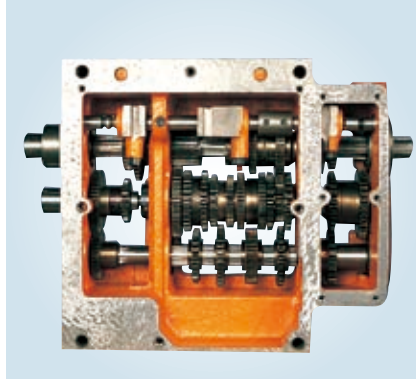


主軸箱

使用熱處理研磨一級齒輪，泵浦強制潤滑系統。可選用P5級主軸軸承，機種代號為HP。

HEADSTOCK

Gear in the headstock are treated by cementation and precisely ground. Forced lubrication system is employed. HP Model with P5 grade spindle bearing is optional.

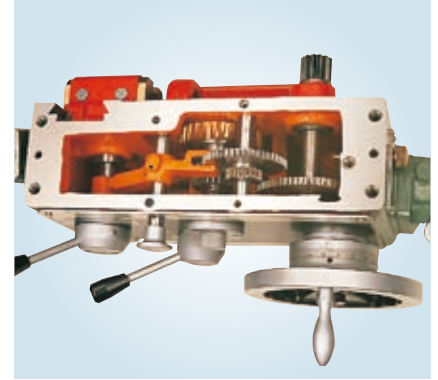


齒輪箱

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		16	17	20
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 (A1-6,A2-6)	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	ø58mm:35,52,75,110,160,230,330, 490,650,950,1350,2000rpm ø78mm:29,43,62,90,130,190,275, 405,540,790,1120,1650rpm	
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"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
- 縱送多段自動定寸裝置
- 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

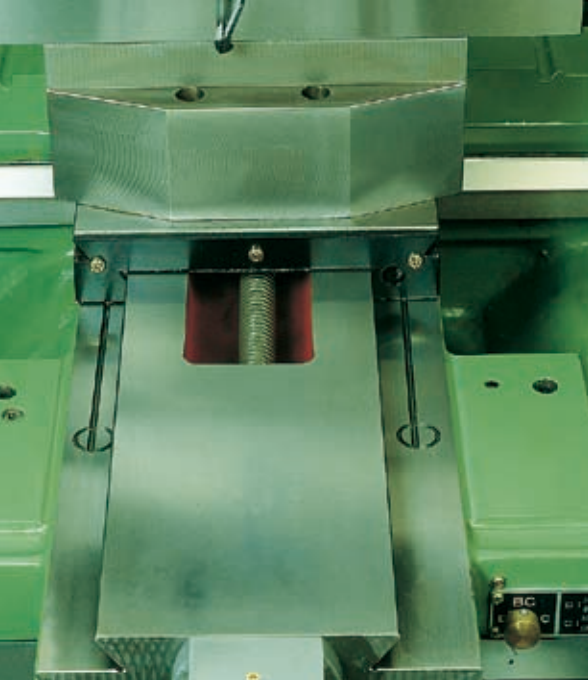
特別配備及附件

- 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)
- 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-22x31,56,87,116,157 CHD-26x31,56,87,116,157 CHD-30x31,56,87,116,157

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.



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		22	26	30
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 (A1-8,A2-8)	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,D1-11)*	A2-8,D2-8,D1-11	
	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 kas	2400,2500,3000, 3200,3700 kas	2600,2700,3200, 3400kas

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" 三爪夾頭(ø86孔)
- 12" 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
- 縱送多段自動定寸裝置
- 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

CHR-33x80,120,159,198,238,277
CHR-40x80,120,159,198,238,277

HEAVY DUTY PRECISION LATHE



CHR 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

機械規格Specifications

項目Item		CHR-33	CHR-40
容量 Capacity	床面上旋徑Swing over bed	ø860mm	ø1020mm
	鞍面上旋徑Swing over carriage	ø610mm	ø770mm
	凹口上旋徑Swing over gap	ø1170mm	ø1330mm
	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	ø104mm	
	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	ø48mm	
	導螺桿螺距Leadscrew pitch	2TPI、P12	
尾座 Tailstock	心軸移動量Quill stroke	280mm	
	心軸直徑Quill diameter	ø100mm (ø130mm選購Option)	
	心軸斜度Quill taper	MT#6	
	英制螺紋範圍Range of inch pitches	2~28TPI (40) 粗牙Coarse 5/8"~8" (16)	
馬達 Motor	馬達Main motor	20HP/4P (15HP/6P選購Option)	
	切削液馬達Coolant pump motor	1/4HP	
機械尺寸 Machine dimension	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	4700,5400,6600, 7300,8400,9400kgs	5000,5700,6900, 7600,8700,9700kgs

▲ 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

- 主馬達20HP/4P
- 軸承式中心架(S)
- 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

選購配備及附件

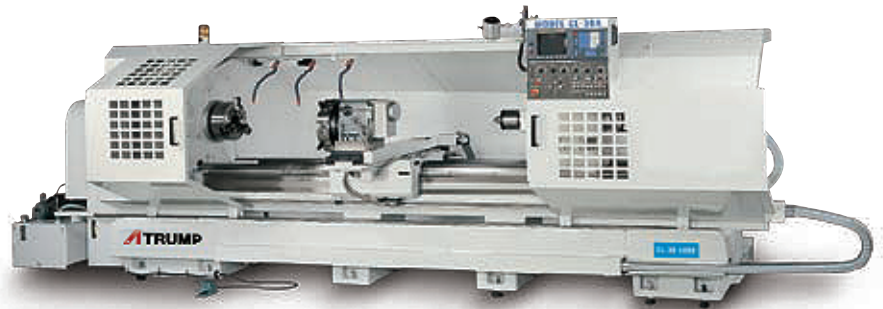
- 手動三爪夾頭
- 手動四爪單動夾頭
- 主馬達15HP/6P
- 軸承式中心架(L)
- 跟刀架Φ40~240mm
- 斜度附件

Standard Equipments and Accessories

- Main motor 20HP/4P
- Steady rest with roller jaw(S)
- Dead center MT#6
- Rapid traverse
- Coolant system
- Work light
- Tool box and Service kits
- Leveling screws and Foundation pads
- Multi-position length stop

Optional Equipments and Accessories

- 3-jaw manual chuck
- 4-jaw manual independent chuck
- Main motor 15HP/6P
- Steady rest with roller jaw(L)
- Follow rest Φ40~240mm
- Taper turning attachment



 **TRUMP**
ATRUMP MACHINERY INC.

670 UNION AVE, POMONA, CA 91768
TOLL FREE: 1-877-4-ATRUMP (428-7867)
TEL: (909) 623-6887 atrump@atrump.com
FAX: (909) 922-7569 <http://www.atrump.com>