

KINWA

金和車床

金和CNC平台式車床 KINWA FLAT BED CNC LATHE



CL-68x3000

CL-68/CL-78 系列Series

旋徑Swing 1150, 1500mm

兩心間距Between centers 1000~7000mm

主軸孔徑Spindle bore 181, 255, 375, 530mm

主軸馬達Spindle motor 60HP

主軸Spindle

- 主軸孔徑181mm，可選購大孔徑255、375或530mm機型。
- 可依工件搭配手動夾頭、油壓夾頭、空壓夾頭或雙夾頭。
- Spindle bore 181mm is standard. 255,375 or 530mm is option.
- Chuck is optional. You can choose manual chuck, hydraulic chuck, Pneumatic chuck or double chucks.

刀塔Turret

- 標準為V8立式油壓刀塔。
- 可依加工需求，選購H4、H6臥式刀塔、V12動力刀塔或搪孔刀座。
- Vertical 8-station hydraulic turret is standard.
- You can choose the Horizontal 4-station, 6-station turret, Vertical 12-station driven tool system or boring attachment according to the workpiece.



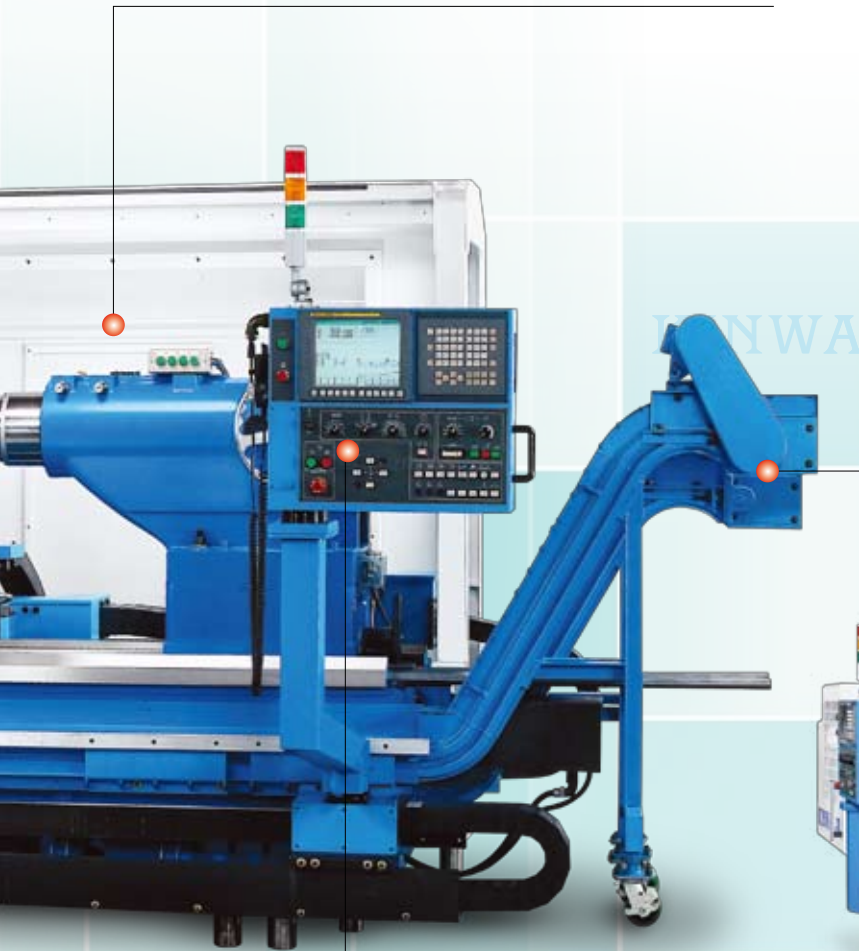
鞍座Carriage

- 方軌式橫向鞍座，重切削最強。
- Powerful cutting is made possible by cross carriage with box way.

6000,7000

副主軸式尾座Tailstock with built-in center

- 套筒直徑 $\phi 240\text{mm}$ 。
- 使用MT#6斜度的固定頂針。
- 鼻端A1-8可搭配直鎖式夾頭。
- Sleeve diameter is $\phi 240\text{mm}$.
- With MT#6 dead center.
- A1-8 nose is suitable for the direct mounting chuck.



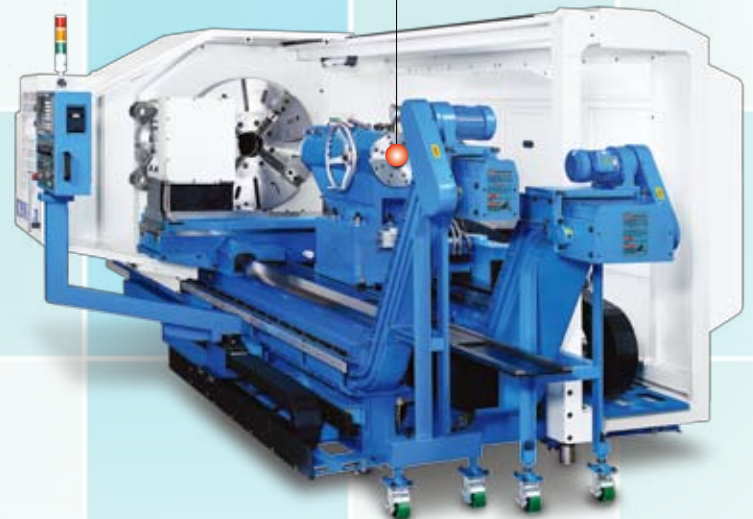
CL-78x2000(V8+H4)

可獨立移動的操作箱Separate control box

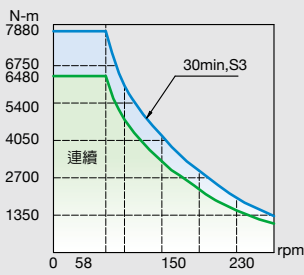
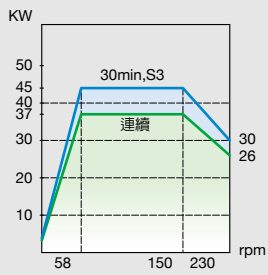
- 操作箱可單獨左右移動且可以依使用者需求旋轉角度，增加操作的便利性。（只適用於CL78機型）
- It is easy for operation that the control box can move and angle separately. (Only for CL78)

鐵屑輸送機 Chip conveyor

- CL-78機型，床身中間出屑為標準附件，可依需求選購床身前、後方出屑。
- CL-68機型，床身後方出屑為標準附件，可依需求選購床身前方出屑。
- For CL-78, discharge from the bed is standard accessories and discharge from the front or rear of the bed is optional accessories.
- For CL-68, discharge from the rear of bed is standard accessories and discharge from the front of the bed is optional accessories.

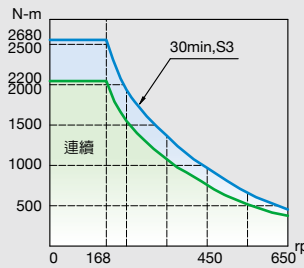
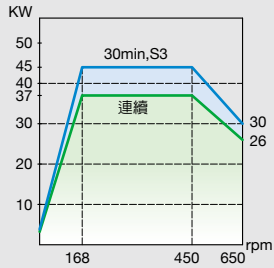


CL-78x2000



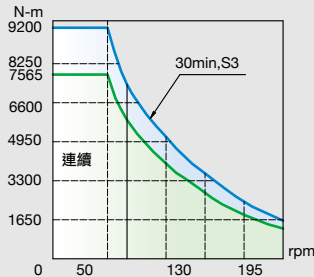
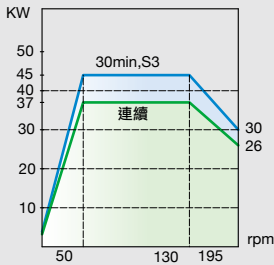
主軸孔徑： $\phi 181, \phi 255\text{mm}$
主軸變速檔位：低速檔

Spindle bore： $\phi 181, \phi 255\text{mm}$
Spindle speed range：Low speed



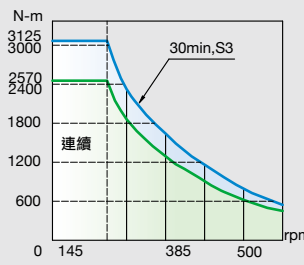
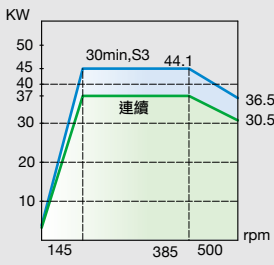
主軸孔徑： $\phi 181, \phi 255\text{mm}$
主軸變速檔位：高速檔

Spindle bore： $\phi 181, \phi 255\text{mm}$
Spindle speed range：High speed



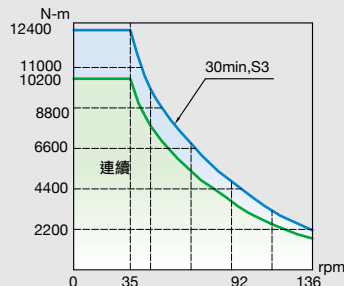
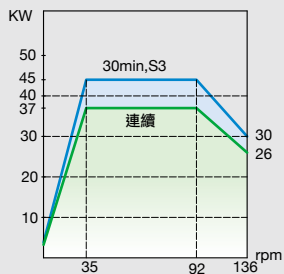
主軸孔徑： $\phi 375\text{mm}$
主軸變速檔位：低速檔

Spindle bore： $\phi 375\text{mm}$
Spindle speed range：Low speed



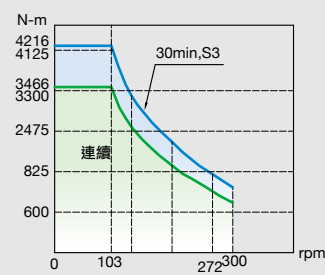
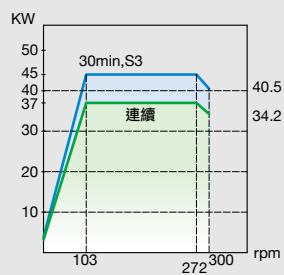
主軸孔徑： $\phi 375\text{mm}$
主軸變速檔位：高速檔

Spindle bore： $\phi 375\text{mm}$
Spindle speed range：High speed



主軸孔徑： $\phi 530\text{mm}$
主軸變速檔位：低速檔

Spindle bore： $\phi 530\text{mm}$
Spindle speed range：Low speed



主軸孔徑： $\phi 530\text{mm}$
主軸變速檔位：高速檔

Spindle bore： $\phi 530\text{mm}$
Spindle speed range：High speed



● CL-78x3000 (主軸孔徑530mm)
Spindle bore 530mm

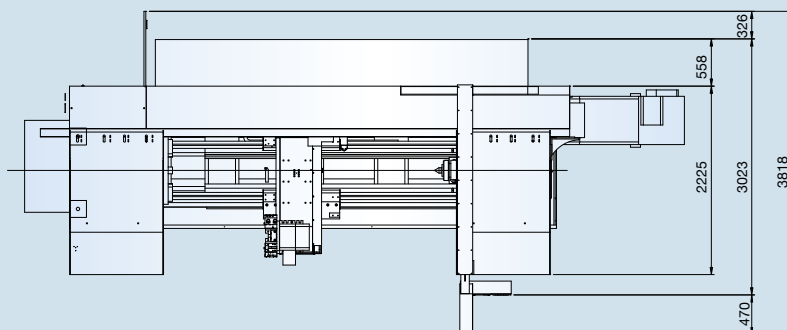


● CL-78x4000 (旋徑2500mm)
Swing over bed 2500mm

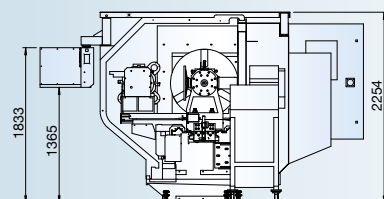
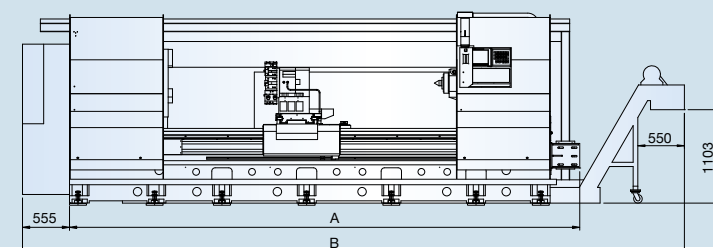


● CL-78x6000 (V8+側鑽銑裝置 Side drilling & milling attachment)

外觀尺寸圖(Dimensional drawing)



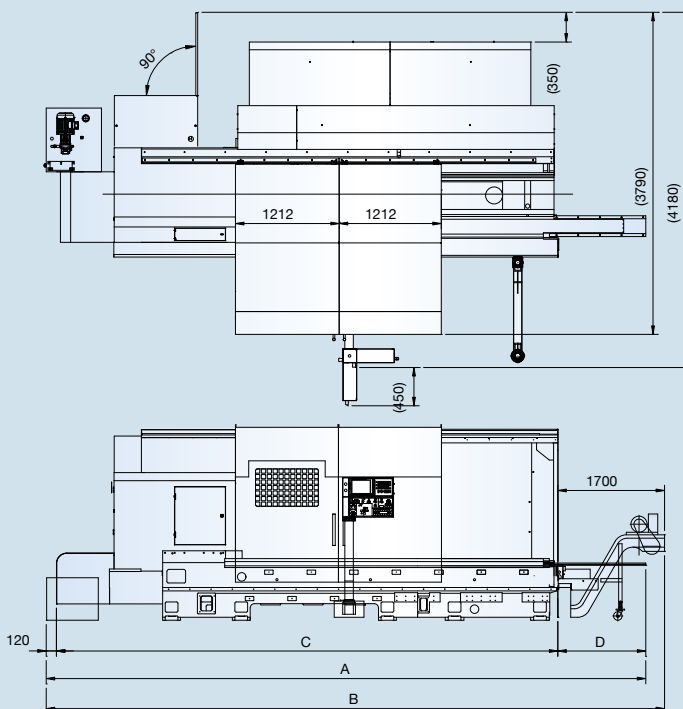
MODEL	LENGTH	A	B
CL68-1000		4025	5820
CL68-2000		5025	6820
CL68-3000		6025	7820
CL68-4000		7025	8820
CL68-5000		8025	9820
CL68-6000		9025	10820
CL68-7000		10025	11820



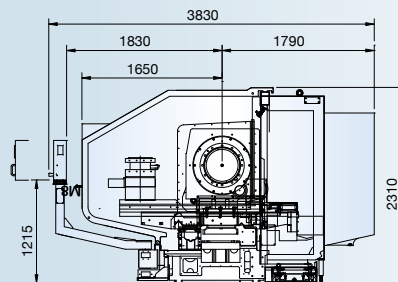
配備及附件 Equipment & accessories

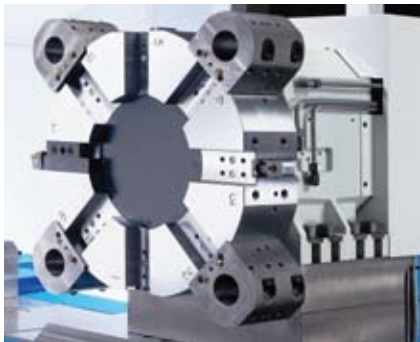
- 電腦FANUC 0iTD
 - 彩色螢幕 10.4"
 - 主軸馬達60HP, α 40i
 - 主軸孔徑181, 255, 375或530mm
 - 主軸機械式定位
 - Cs軸功能
 - 中空油壓三爪夾頭
 - 手動三爪連動夾頭
 - 手動四爪連動夾頭
 - 空壓夾頭
 - 立式V8刀塔, 刀具座及刀套
 - 臥式H4刀塔不含刀具座及刀套
 - 臥式H6刀塔不含刀具座及刀套
 - 立式V12動力刀塔不含刀具座及刀套
 - 搪孔刀座不含刀桿
 - CL68有4種夾持範圍的軸承中心架分別為 $\phi 40\sim 220\text{mm}$, $\phi 210\sim 390\text{mm}$, $\phi 350\sim 520\text{mm}$, $\phi 520\sim 700\text{mm}$
 - CL78有2種夾持範圍的軸承中心架分別為 $\phi 450\sim 655\text{mm}$, $\phi 650\sim 800\text{mm}$
 - CL78: 滾輪架及墊塊 $\phi 600\sim 850\text{mm}$, $\phi 800\sim 1070\text{mm}$
 - 油壓跟刀架
 - 副主軸式尾座及固定頂針MT#6
 - 油壓系統
 - 冷卻水槽及冷卻系統
 - 鐵屑輸送機
 - 雙門及擋屑板
 - 工作燈
 - 工具箱及調整工具
 - 變壓器
- Controller FANUC 0iTD
 - Color LCD 10.4"
 - Spindle motor 60HP, α 40i
 - Spindle bore 181, 255, 375 or 530mm
 - Spindle mechanical orientation
 - Cs axis function
 - 3-jaw hollow hydraulic chuck
 - 3-jaw manual scroll chuck
 - 4-jaw manual independent chuck
 - Pneumatic power chuck
 - Vertical 8-station turret, tool holders & sockets
 - Horizontal 4-station turret without tool holder & sockets
 - Horizontal 6-station turret without tool holder & sockets
 - V12 Driven tool system without tool holder & sockets
 - Boring attachment without boring bar
 - CL68: There are four different clamping ranges for Steady rests with roller jaw. They are $\phi 40\sim 220\text{mm}$, $\phi 210\sim 390\text{mm}$, $\phi 350\sim 520\text{mm}$ and $\phi 520\sim 700\text{mm}$
 - CL78: There are two different clamping ranges for Steady rest with roller jaw. They are $\phi 450\sim 655\text{mm}$ and $\phi 650\sim 800\text{mm}$.
 - CL78: Supporter with roller and pad, clamping range $\phi 600\sim 850\text{mm}$ & $\phi 800\sim 1070\text{mm}$
 - Self-center follow rest
 - Tailstock with built-in-center & Dead center MT#6
 - Hydraulic system
 - Coolant pan & Coolant system
 - Chip conveyor
 - Double door & Splash guard
 - Work light
 - Tool box with adjusting tool
 - Transformer

▲ 標準或選購依報價單為主 Standard or optional depends on quotation.



MODEL	LENGTH	A	B	C	D
CL78-2000		7240	7745	5775	1345
CL78-3000		8240	8745	6775	1345
CL78-4000		9240	9745	7775	1345
CL78-5000		10540	10745	8775	1675
CL78-6000		11940	11745	9775	2045





- V8刀塔 (CL-78)
- V8 turret for CL-78



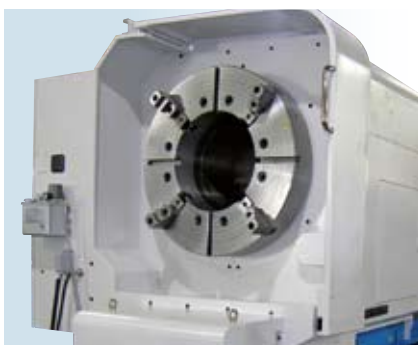
- H4刀塔 (CL-78)
- H4 turret for CL-78



- V8刀塔 (CL-68)
- V8 turret for CL-68



- 油壓跟刀架 (CL-68)
- Self-center follow rest for CL-68



- 後夾頭
- Rear chuck



- 中心架 (CL-68)
- Steady rest for CL-68



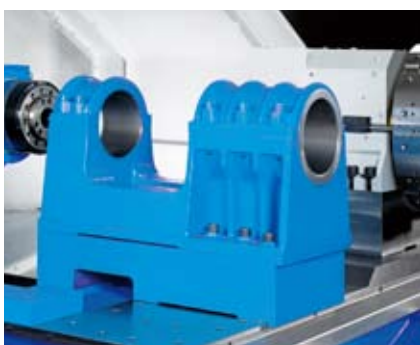
- 側鑽銑裝置 (CL-78)
- Side drilling & milling attachment for CL-78



- 副主軸式尾座
- Tailstock with built-in center



- 中心架 (CL-78)
- Steady rest for CL-78



- 搪孔刀座(不含刀桿), CL-78
- Boring attachment without boring bar for CL-78



- 滾輪架 (CL-78)
- Supporter with roller for CL-78

CL68/CL78規格Specifications

* 選購option

項目Item		CL-68	CL-78
床面上旋徑 Swing over bed		1150mm	1500mm
鞍面上旋徑 Swing over cross slide		700mm	900mm
兩心間距 Distance between centers		1200, 2200, 3200, 4200, 5200, 6200, 7200mm	2210, 3210, 4210, 5210, 6210mm
床面寬度 Width of bed		725mm	1000mm
主軸孔徑 (鼻端,轉速) Spindle bore (nose & speed)		ϕ 181mm (A2-15, 6~650rpm) ϕ 255mm (A2-15, 6~650rpm) ϕ 375mm (A2-20, 4~500rpm) ϕ 530mm (A2-28, 2~300rpm)	
主軸變速檔數 Number of spindle speed range		2	
主軸馬達 Spindle motor (30分min./連續Cont.)		α 40i (60 HP/50 HP)	
刀塔 Turret	標準選項 Standard Option	V8 外徑刀OD tool (\square 32mm) 內徑刀ID tool (ϕ 60mm)	
	選購Option	H4, H6	
X軸移動量 Travel of X axis		560mm	735mm
Z軸移動量 Travel of Z axis		1100, 2100, 3100, 4100, 5100, 6100, 7100mm	2095, 3095, 4095, 5095, 6095mm
進給速度 Rapid traverse (X,Z)		6m/min	
伺服馬達 Servo motor		X: α 22i (5.3HP), Z: α 40i (8HP)	
尾座心軸移動量 Travel of tailstock quill		180mm	
尾座心軸直徑 Diameter of tailstock quill		240mm	
尾座心軸斜度 Taper of tailstock quill		MT#6	
油壓馬達 Hydraulic motor		2 HP	3 HP
冷卻泵 Coolant pump		1 HP	
機械長度 Length of machine		5820, 6820, 7820, 8820, 9820, 10820, 11820mm	7745, 8745, 9745, 10745, 11940mm
機械寬度 Width of machine		3023mm	3830mm
機械高度 Height of machine		2254mm	2310mm
機械重 Weight of machine		11800, 13260, 15110, 16980, 18850, 20730, 24000kg	14260, 16110, 17980, 19850, 21730kg

- ▲ 以上規格如有變更恕不另行通知 Specifications are subject to change without notice.
- ▲ 旋徑可依需求加高 Swing can be raised according your requirement.
- ▲ 兩心間距和Z軸行程會因不同孔徑而改變 Distance between center and Z axis travel will be changed because of different spindle bore.
- ▲ X軸行程會因不同刀塔而改變 X axis travel will be changed because of different tool post.
- ▲ 機械長度含鐵屑輸送機 Machine length is not including chip conveyor.
- ▲ 詳細規格數據依報價為主 Detail specification depends on quotation.



金竑精密股份有限公司

地址：台中市大雅區田心街10號
 TEL：886-4-25666113 · 25663114
<http://www.kinwa-lathe.com>

CHIN HUNG MACHINERY CO.,LTD.

NO.10, TIEN SHIN STREET
 TA-YA, TAICHUNG, TAIWAN
 E-mail : ufkinwa@ms15.hinet.net