



第一模式

- CNC標準模式，可輸入G碼M碼標標指令CAD/CAM位置座標傳輸。

FIRST MODE

- A standard CNC mode which requires input of standard commands of G code and M code and transmission of CAD/CAM position coordinate.



第二模式

- 教導式模式，只須在加工位置填入數值及運動方式即可完成加工。

SECOND MODE

- A teach-in mode that only requires to fill values and movement method at the machining position, then operation will be performed.



雙主軸模式

- 可同時加工兩件工作物件或單一工作物件，使用雙刀頭交替加工雕刻。

DOUBLE SPINDLE MODE

- By using two spindles machining alternately, the machine can cut two workpieces simultaneously or a single workpiece.

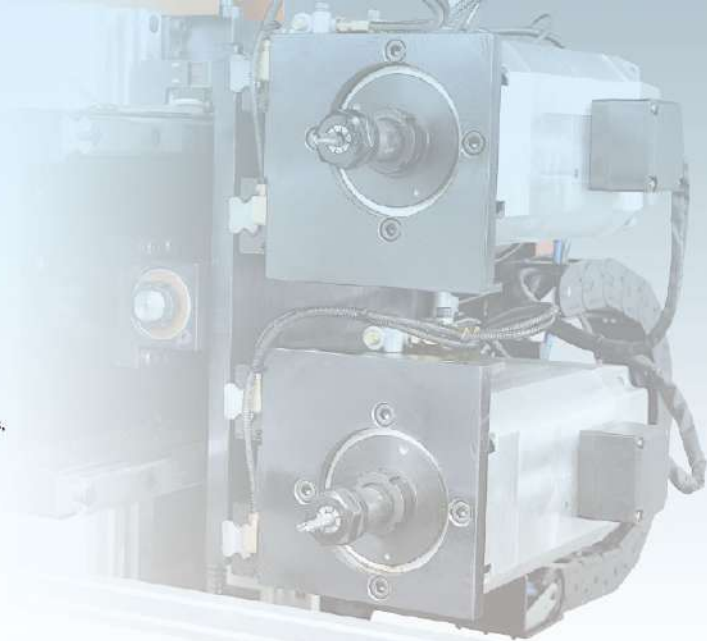


加工範例

- 椅腳、椅背、榫槽、溝槽、榫孔同時加工長條木型雕刻、雕花、雕字

MACHINING EXAMPLES

- Simultaneous machining for chair legs, chair backs, mortise grooves, grooves and mortise holes. Also, ideal for general carving, patter carving and words carving on long piece of wood.



YL-120 雙主軸臥式CNC

CNC Router (Double Spindle; Horizontal)



機器特性:

- 最適合用在餐桌椅、榫槽、溝槽、雕刻、雕花、雕字。
- 全機安裝精密線性滑軌及滾珠導螺桿，加裝自動潤滑系統，使機台耐用度更長。
- 使用穩定度高的控制器搭配伺服馬達，做出高速度精準的切削加工。
- 使用填入式電腦操作，不需寫指令繪圖，不用專業人員也會操作，也可換成CNC狀態。
- 兩軸同時加工，一次加工二物件。
- 左右台面設計右邊加工左邊上下料，左邊加工右邊上下料。

Machine Features:

- Suitable for mortising, grooving, general carving, patter carving, and words carving for dining table and chair.
- This machine is mounted with high precision linear motion guides and ball screws and equipped with an automatic lubrication system for dramatic increase in service life.
- Equipped with a stable controller combined with the use of servo motor, the machine provides high speed, high accuracy cutting operations.
- Filling-in type computer operation without need to write commands and draw. A non-professional personnel can operate the machine, which is available to convert into a CNC condition.
- Two spindles work simultaneously, allowing two workpieces to be machined at a time.
- Designed with right and left tables. When performing machining on the right table, the operator may load/unload workpiece on the left table. While machining on the left table, the operator may load/unload workpiece on the right table.

規格表 Specifications

YL-120

雙主軸臥式CNC CNC Router (Double Spindle; Horizontal)

項目	ITEM	
最大加工寬度	Maximum working width	150 mm
最大加工長度	Maximum working length	1200 mm
控制器	Controller	PC basic
螢幕	Monitor	液晶LCD 19"
X軸伺服馬力	X-axis servo horsepower	2 KW
Y軸伺服馬力	Y-axis servo horsepower	750 W
Z軸伺服馬力	Z-axis servo horsepower	400 W
主軸馬力	Spindle motor horsepower	3 HP x 2
裝箱尺寸 (長x寬x高)	Packing size (L x W x H)	3910 x 1450 x 2190 mm
淨重/毛重	N.W./G.W.	1800 / 2160 kg

- 型錄之規格如有變更，恕不另行通知。
- Specifications subject to change without prior notice.

YL-120 雙主軸臥式CNC
CNC Router
(Double Spindle; Horizontal)



Precision 精密

Easy to Operate 操作最簡易

Advanced 先進

CNC HIGH SPEED DOVETAILER 4.0 第4代CNC高速三角榫機



YL-300N

一向不斷創新突破的陞鼎公司，再度精心研發CNC高速三角榫機。在當今企業高度競爭的時代，讓您擁有更佳的競爭力。本機比起前2代機型擁有更簡易的操作方式，可生產更多樣的榫型結構，大幅提升產品附加價值。

Based on the concept of constant innovation and breakthrough, WAYLONG has successfully developed a CNC high speed dovetailer. In today's highly competitive era, this machine is designed to help customers to stay competitive. It features easier operation than the previous two generations of machines. Furthermore, the machine is capable of producing a wide variety of tenon shapes that contributes to dramatically upgrade product value.



特性

- 眾廠牌中唯一使用CNC控制器，可透過程式編輯，以執行特殊功能。
- 操作最簡易，對話式填入，不須編寫程式，在最短時間內將產品上線。
- 最先進、壽命最長的高轉速主軸頭，可使切削面更光滑，接榫更緊密，生產夾板時不會產生撕裂現象。
- 榫頭尺寸可隨意調整，大榫頭可縮短加工時間。
- 可生產四方形榫頭、梯形公母榫、法式榫及尺寸自訂無規則的鳩尾榫。

FEATURES

- A machine that only uses CNC controller among the competitors, which can perform special functions through program editing.
- Very easy to operate. Conversational filling in of parameters without need to edit programs, allowing products to be launched to market in a short time.
- The most advanced and the longest life high speed spindle head provides smoother cutting surface and tighter tenon jointing effect. No tearing when working on plywood.
- Tenon size can be adjusted as desired. Greatly shorten machining time especially when producing big tenons.
- Available to produce square tenons, trapezoid tenons and mortises, French type tenons and irregular dovetailed tenons.



圖形加工範例
Machining examples of graph

規格表 SPECIFICATIONS

項目	ITEM	YL-300N
控制系統	Control system	SYNTEC PC
X軸伺服馬達	X-axis servo motor	400W
Y軸伺服馬達	Y-axis servo motor	400W
主軸馬達	Spindle motor	2.2 KW
主軸轉速	Spindle speed	20000 RPM
最大加工寬度	Maximum working width	800 mm
最大加工厚度	Maximum working thickness	25 mm
集塵孔	Dusthood outlet	Ø3" x 1孔
機械尺寸	Machine size	1950 x 800 x 1200 mm
裝箱尺寸 (長x寬x高)	Packing size	2100 x 950 x 1350 mm
淨重/毛重	N.W./ G.W.	900 / 1050 kgs

- 型錄之規格如有變更，恕不另行通知。
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YL-300N

CNC HIGH SPEED DOVETAILEER 4.0 第4代CNC高速三角榫機



A Leading Brand Name of Dovetailers.
Extremely high production efficiency.
Advanced design. Suitable for various
wood materials (solid wood,
plywood and MDF.)
鳩尾榫機領導品牌、生產效率最快
設計最先進的機種、適用各種木材
(實木、夾板、MDF.)

YL-330

CNC HIGH SPEED DOVETAILED CNC高速三角榫機



Precision, Advanced, Easy to Operate.
精密 先進 操作簡易



Suitable for machining on flat and curved wood.
專業適用平面、曲木之加工

規格表 SPECIFICATIONS

項目	ITEM	YL - 330
控制系統	Control system	SYNTEC PC
X軸伺服馬達	X-axis servo motor	400W
Y軸伺服馬達	Y-axis servo motor	400W
主軸馬達	Spindle motor	2.2 KW
主軸轉速	Spindle speed	20000 RPM
最大加工寬度	Maximum working width	600 mm
最大加工厚度	Maximum working thickness	30 mm
集塵孔	Dusthood outlet	Ø3" x 1孔
機械尺寸	Machine size	1750 x 950 x 1250 mm
裝箱尺寸(長x寬x高)	Packing size	1900 x 1020 x 1400 mm
淨重 / 毛重	N.W. / G.W.	900 / 1050 kgs

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使用觸控螢幕CNC控制器，
可以讓機器加工運作更順暢、
精準、速度快，提升產能。

Using the Touch Screen CNC controller,
to make the machine's operate more smoothly,
accurately, fast speed and productivity raising.



自行開發的圖形操作介面，左右平台可做
不同形狀尺寸的榫頭加工，也可使操作者
快速調整好機台完成加工前的調機動作。

Self-developed graphical user interface, the
both side platform can do different shapes
and sizes of tenon at the same time.
The operator can adjust the machine quickly
let the pre-process complete early.



萬用夾具設計 (Universal clamp)

側邊夾具可針對曲型木板及不規則木板做夾持，
不須做模板固定，就可便利夾持做加工。
Universal clamp fit for any shape of wood,
you don't needs to use template to fix it
before your work.



More option tools can be applied for flexible machine

便利的主軸設計 (Flexible spindle)

方便換刀的主軸，可依照不同的形狀
訂制形刀，做自己想要的造型。
We design flexible spindle.
You can customize the knife as to your
different shapes requirement and
change it freely.



YL-350 CNC高速銑榫機 CNC High Speed Tenoning Machine

特性

1. 採用高精度伺服馬達搭配CNC三軸控制器，確保高速高精度的定位控制。
2. 使用彩色人機圖形介面，讓操作人員能輕易的將欲加工的尺寸、形狀、位置傳達給機械，縮短調機時間及減少調機時木料之損耗。
3. 高剛性、高轉速主軸頭，最高轉速達8500 RPM，使切削面更光滑，精度等級更高。
4. 全機採用高精度的線性滑軌及滾珠導螺桿，使動作順暢，加工迅速。
5. 可生產圓榫、方榫、橢圓榫、斜榫，可選擇單一工作檯或雙邊工作檯做不同形狀、尺寸加工，為提昇品質，創造利潤的好幫手。

FEATURES

1. Employs high precision servo motor combined with CNC 3-axis controller for high speed, high precision positioning control.
2. The machine is equipped with a Human-machine graphic interfacing control panel, providing maximum convenience for setting size, shape and position. It also reduces setting time and saves wood material waste during cutting test.
3. High rigidity, high speed spindle stock provides maximum speed up to 8500 RPM, assuring extra fine surface of cut and high accuracy.
4. Employs high precision linear motion guides combined with precision ball screws for extremely smooth motions and fast machining.
5. The machine is suitable for producing round, square, elliptical and bevel tenons. The selection of single or double table working to do different shape, size of tenon, upgrades machining quality and profits.

規格表 Specifications

YL-350

CNC高速銑榫機 CNC High Speed Tenoning Machine

項目	ITEM	
榫頭最大寬度	Maximum tenon width	200 mm
榫頭最大厚度	Maximum tenon thickness	135 mm
榫頭最大長度	Maximum tenon length	45 mm (90, 120) 選購
螢幕	Monitor	8" 觸控螢幕 touch screen
控制器	Controller	CNC
X軸伺服馬力	X-axis servo horse power	750 W
Y軸伺服馬力	Y-axis servo horse power	750W
主軸馬力	Spindle motor	5.5 kw
主軸轉速	Spindle speed	8,500 RPM
集塵孔	Dust hood outlet	4" x 3
機械尺寸	Machine size (Lx Wx H)	1780 x 1050 x 1700 mm
裝箱尺寸	Packing size (Lx Wx H)	1900 x 1150 x 1740 mm
淨重/毛重	N.W./ G.W.	900 / 1100 kgs

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榫頭範例 Tenon example



切角加工 Angle cutting



YL-350 CNC高速銑榫機

CNC High Speed Tenoning Machine

先進設計，操作簡易! CNC控制，精密作榫!
Advanced Design, Easy to Operate!
CNC Control, Precision Tenoning!