

FULLTEK

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FULLTEK
PROFESSIONAL CNC

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CNC



THE BEST CNC PROCESSING CENTER

關於我們 ABOUT US

台灣創緯實業有限公司是一家致力於為全球客戶，提供專業數控切割解決方案的高新技術企業。

產品設計與生產技術皆源於台灣先進的理念與領域，始終秉持不斷創新、優化極致的精神，讓全球數控切割解決方案更具簡單化。

台灣創緯實業，傾注於高質量、高效率的研發思維，陸續推出各種機械自動化單元，以期能滿足工業 4.0 的需求，機器取代人力，未來將不是夢想。

工業自動化取決於數控領域專業的解決方案，台灣創緯實業已經成功導入航天航空、軌道交通、汽車輕量化、電梯、遊艇製造業、板式家具定製化、實木家具自動化等生產連線。

Taiwan FULLTEK PROFESSIONAL CNC LTD.(named briefly FULLTEK) is a high and new technology company which is dedicated to providing professional CNC cutting solutions for global customers.

Its product designs and production technologies are from Taiwan advanced concepts. FULLTEK always upholds the spirit of continuous innovation and optimization to aim at making cutting more simple.

FULLTEK focused on high quality, high efficiency of R & D , has been developing a wide range of automation equipments to meet the needs of Industrial 4.0. Machines to replace humans labor is no more a dream in future !

Industrial automation depends on professional solutions in the field of NC. FULLTEK has been successfully introduced not only in Aerospace, Rail transport, Automobile lightweight, Elevator, but also in Yacht manufacturing ,customized panel furniture and so on.

FULLTEK

一體式工藝解決方案
有效的解決人機磨合
Integrated process solutions:
man-machine running-effective solution

加工設備

擁有多台重型五面數控機床、雙台面臥式數控機床、精密立式數控機床等加工設備，具備精密加工配件實力。

組裝生產線

整體環氧多層地坪漆地面，符合環保意識形態需求，寬廣組裝區域，動態物流順暢，確保組裝設備乾淨無塵。

Processing Equipment

Has more heavy CNC machines of five-side milling、Double table horizontal milling and precision vertical milling with the strong power of precision working.

Assembly line

The whole epoxy paint floor, matching with environmental protection ideology needs, and the Spacious assembly area, to ensure assembly equipment cleanly.



“

HIGH QUALITY CNC MACHINERY

”

快速體現設備的價值

Fast reflect the value of the machine

產品 - 精雕細琢

- 始終苛求產品任何細節的完美，並融聚智慧與力量全心投入做好每件事情，以最高標準要求成就最優質的設備。

製程 - 精挑細選

- 機械配件皆經過嚴格控管檢測合格入庫，各部軸向傳動組裝經過精密儀器檢測紀錄，以確保機械各部軸向的幾何公差精度。

成品 - 完美無缺

- 機械成品入庫必經激光干涉儀、球桿儀等精密儀器量測合格後才入庫出貨，確保機器加工精度及綜合質量檢測，完全符合品保的要求。

Design Soul

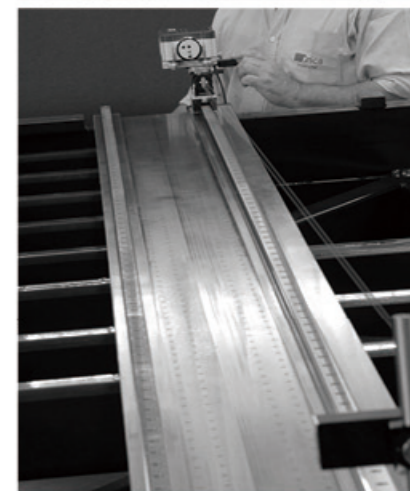
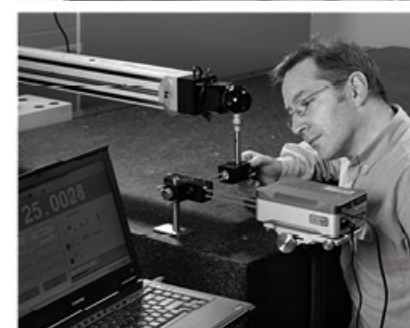
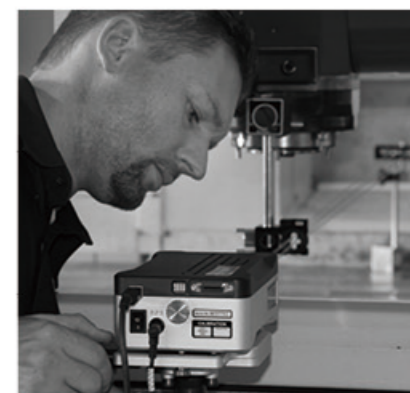
- FULLTEK-Focus on each detail to be perfect with wisdom. Do everything, with the highest standards of achievement of the highest quality.

Excellent Process

- FULLTEK-Make demand of each machinery fittings strictly. Before into warehouse ,each part must be inspected with precision instrument, to ensure that the mechanical parts of the axis of the geometric tolerance degree.

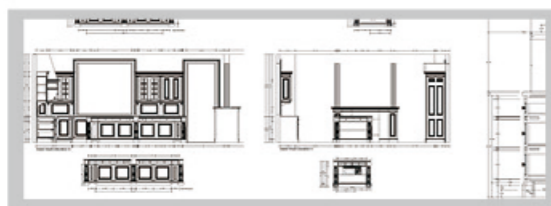
Great heights Product

- FULLTEK-Pursuit each finished machine to be at a great height. Before shipping, each mechanical finished goods must pass through the laser interferometer, the cue instrument and other precision instruments measuring qualified to ensure the accuracy of machine processing and comprehensive quality inspection, complete Requirements for quality assurance.





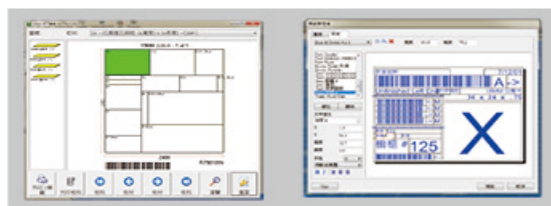
木工櫥櫃設計加工軟體的完整解決方案： Perfect solution software for woodworking cabinet design and processing



櫃體設計
設計自選風格款式及板材五金製作櫃體，可不受場地空間限制能進行量身定製。
Cabinet Design
Optional design cabinet style and use the interested hardware, without space constraints as customized.



外觀採現
可自動增加門窗反射、牆角、角落光源外掛式模組。
Colorful Appearance
Automatic increase extra modules for modified wall corner and reflection of door & windows.



優化排版
最佳材料利用率，異形件快速優化排版。
Optimal Layout
Highest Rate of Material Usage, especially on irregular parts.



編輯加工
相容各類品牌設備，可依加工設備或批次生產加工分類。
Processing
Compatible with variable equipment; Classified by equipment or processing batches.



切割清單
自動生成五金清單，及材料清單。
Cut List
Hardware and Accessories List
Generated automatically.



整體解決方案
利用條碼讀取器直接掃描工件條碼，可獲取 CV 軟體自動生成的加工程式及生產報表，並配合自動貼標系統完成加工生產。
Overall Solution
Scan the work-piece barcode to read the program and production statement obtained from CV software order. And coordinate with automatic labeling system to complete the processing and production.



SERVICES
INTEGRATION
ELITE TEAM

定制板式傢俱整體作業流程： The General Work-flow for Customized Panel Furniture :

商場客戶端 Consumer client



生產加工端 Factory Terminal

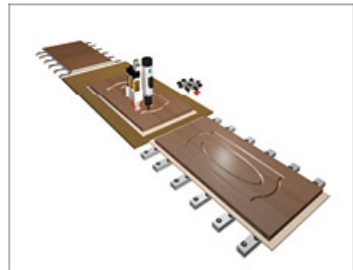


CFB-410L

重型自動上下料 + 自動貼標系統

Heavy automatic loading and unloading + automatic labeling system

加工效果图
3D Simulation results



產品特性
Product characteristics

- 配置板材自動快速定位功能，並經由貼標手臂，完成各工件條碼貼標動作。
Configuring fast automatic plate positioning and labeling via the arm to complete the work of each bar code labeling operation.
- 配置動態真空吸料搖臂裝置，及 250mm 超大真空吸盤。
Configuring dynamic vacuum suction arm, matched the vacuum cups over 250mm.

本機自動上下料機構，可同時執行雙段程式，前區自動貼標動作，後區板材切割鑽孔。
Automatic loading and unloading mechanism. Sticking label at prozone, while cutting and drilling happened at pre-zone.



機械規格: Specifications	CA-410BFL	CA-48BFL
工作台 Table	1220 × 3050mm	1220x2440mm
工作行程 Max.working stroke	X&Xg 軸 -4450mm、 Y 軸 1760mm、Z 軸 300mm	X&Xg 軸 - 3850mm、 Y 軸 1760mm、Z 軸 300mm
工件高度 Working height	200mm	200mm
主軸行程 Spindle elevation	250mm	250mm
位移速度 Rapid speed	X&Y 軸 - 60M/min Z 軸 - 20M/min	
動力 Main power	主軸功率 Spindle power: 9KW-ISO-30 真空泵 Vacuum pump: 6kw-250m³/h	4.8kw-160m³/h
機械尺寸 Dimensions	面積 Area: 11000x5200x2560mm 淨重 Net weight: 6500kg	10400x5200x2560mm 6000kg

PF-3013 動柱式移動台面

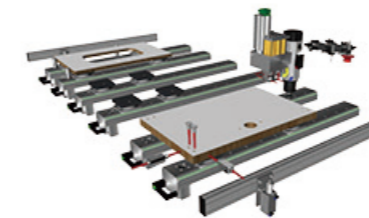
Moving bridge console Table

產品特性 Product characteristics

- 本機可以不停機換料加工，有左右雙區雙工位及四工位供選擇，其優點為效率高，五面鑽孔，自動排屑。
Unfailing work piece processing, two-station working table and four-station working table choose by customer. Five sides drilling, Automatic chip removal.
- 精密氣排鑽可輕鬆解決立鑽、側鑽、槽鋸等加工問題。
Precision gas drilling row drilling legislation can be easily resolved, lateral drilling, sawing and other processing problems trough.
- 訂製化廚櫃、衣櫃、酒櫃、視聽櫃等專業數控鑽機。
Custom of kitchen wardrobe, wine, and other professional audio-visual cabinet CNC drilling machine.



加工效果图 3D Simulation results



機械規格：Specifications

真空吸附台 Vacuum table	吸附台 Table size: 1300mm x 6pcs
	真空吸盤 Pods: 135x135x50mm x18pcs
	前定位氣缸 Front stops : 6pcs
	中間定位氣缸 Intermedia stops: 6pcs
	移動式定位氣缸 Positioning air cylinder: 4pcs
支撐板上下機構 Panel lifting blades: 6pcs	
工作行程 Max.working stroke	加工範圍 Working area: 3000x1300mm
	X&Y 軸 - 3570mm、Y 軸 - 1800mm、Z 軸 - 370mm
	工件高度 Working height: 200mm
動力 Main power	主軸功率 Spindle power: 9KW-ISO-30
	真空泵 Vacuum pump: 4.8kw-160m³/h
	氣排鑽 Pneumatic line boring head: 9V3H1S -2.2kw
位移速度 Rapid speed	X&Y 軸 - 80M/min
	Z 軸 - 20M/min
機械尺寸 Dimensions	面積 Area: 5300x5250x2500mm
	淨重 Net weight: 4500kg

CA-48 動柱式移動台面

Moving bridge console Table

產品特性
Product characteristics

- 模組化機台設計，採用大量鑄件結構，適合重型切割加工。
Modular designed, using a lot of castings, suitable for heavy-duty cutting. High precision and high efficiency.
- 特殊結構真空台面設計，讓 100mm 直徑工件吸附切割迎刃有餘。
Special design with structure of the vacuum table allows 100mm diameter workpieces cut freely by adsorption controlled.
- 分離式操作台設計，可隨時配合工作需要做任意移動。
Separated operating console can do any moving when work required.



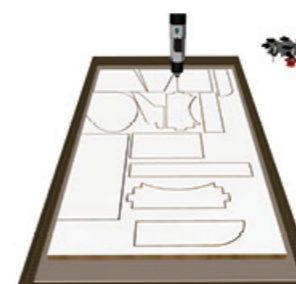
左右圓盤塑鋼八刀庫

真空台面 & 定位汽缸

控制器操作台

- 左右圓盤塑鋼八刀庫
機台立柱配置左右雙刀庫，可提供 16 組刀軸切割複雜工件。
About eight steel disc magazine
Machine column about pole configuration library that provides 16 sets of knife-cut complex parts.
- 真空台面 & 定位汽缸
真空吸附台面採用特殊複合材料，及四組 25mm 心軸定位汽缸。
Vacuum table & positioning cylinder
Vacuum table use special composite materials, with four groups mandrel Positioning sized 25mm.
- 控制器操作台
分離式操作台，讓操作者很容易進行加工。
Controller console
Separated operating console allows the operator to process easily.

加工效果图 3D Simulation results



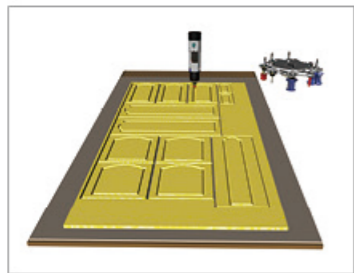
機械規格：Specifications

工作台 Table	工作台尺寸 Table size: 1220 × 2440mm
工作行程 Max.working stroke	X axis:2540mm Y axis:1320mm Z axis:300mm 工件高度 Working height: 200mm
位移速度 Rapid speed	X&Y 軸 - 80M/min Z 軸 - 20M/min
動力 Main power	主軸功率 Spindle power: 9KW-ISO-30 真空泵 Vacuum pump: 4.8kw-160m³/h
機械尺寸 Dimensions	面積 Area: 3700x5000x2300mm 淨重 Net weight: 3500kg

CAS-510 動柱式移動台面

Moving bridge console Table

加工效果图
3D Simulation results



產品特性
Product characteristics

- 模組化機台設計，採用大量鑄件結構，適合重型切割加工。
Modular designed, using a lot of castings, suitable for heavy-duty cutting.
- 特殊結構真空台面設計，讓 100mm 直徑工件吸附切割迎刃有餘。
Special structure of the vacuum table was designed to allow to easy adsorption and cut 100mm diameter workpieces.
- 三軸全絲桿傳動設計，採用德國高精密滾珠螺桿，配合旋轉螺帽傳動。
Three-axis, full screw drive design, use German high-precision ball screw, with rotation nut gear.



機械規格：Specifications	CA-510S	CA-48S
工作台 Table	1525 × 3050mm	1220x2440mm
工作行程 Max.working stroke	X軸 - 3150mm、 Y軸 - 1625mm、Z軸 - 300mm	X軸-2540mm、Y軸-1320mm、 Z軸 - 300mm
工件高度 Working height	200mm	200mm
位移速度 Rapid speed	X&Y軸 - 60M/min Z軸 - 20M/min	
動力 Main power	主軸功率 Spindle power: 9kw-iso30 真空泵 Vacuum pump: 6kw-250m³/h	9kw-iso30 4.8kw-160m³/h
機械尺寸 Dimensions	面積 Area: 4350x5350x2500mm 淨重 Net weight: 4000kg	4045x 4740x2500mm 3500kg

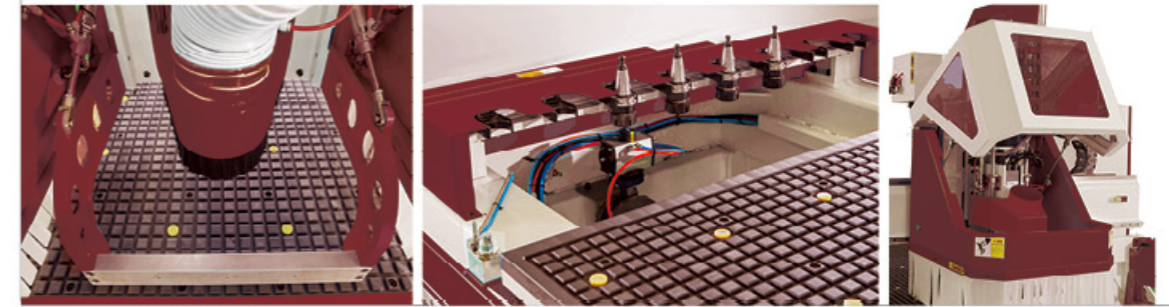


UA-48 動柱式矩陣台面

Moving bridge nesting table

產品特性
Product characteristics

- 模組化機台設計，採用大量鑄件結構，適合輕型板材切割加工。
Modular machine design, using a large structural castings for cutting light sheet metal.
- 特殊結構真空台面設計，讓 100mm 直徑工件吸附切割迎刃有餘。
Special design with structure of the vacuum table allows 100mm diameter works pieces cut freely by adsorption controlled
- 機台快速位移可達 40M/Min，最大加工速度為 25M/Min。
Rapid displacement speed up to 40m/min, max processing speed is 25m/min.



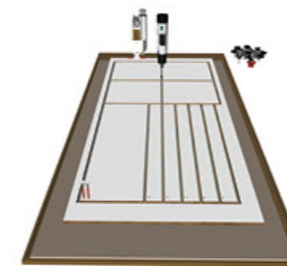
自動推料機構

直列塑鋼八刀庫

主軸安全護罩

- 自動推料機構
本機配置自動推料機構，可將切割完成板材由台面推出。
Automatic pusher mechanism
The machine equipped with automatic pusher mechanism. It will push off the completed sheet from the platform.
- 直列塑鋼八刀庫
配置直列塑鋼八刀庫，將使機台換刀動作更具簡單化。
Inline eight steel magazine
Configuring inline eight steel knife, machine tool change will be more simplistic.
- 主軸安全護罩
配置自動掀開防護罩功能，可提供後續維修方便。
Spindle safety shield
Configuring automatic lifted shield feature that provides easy maintenance follow-up.

加工效果图
3D Simulation results

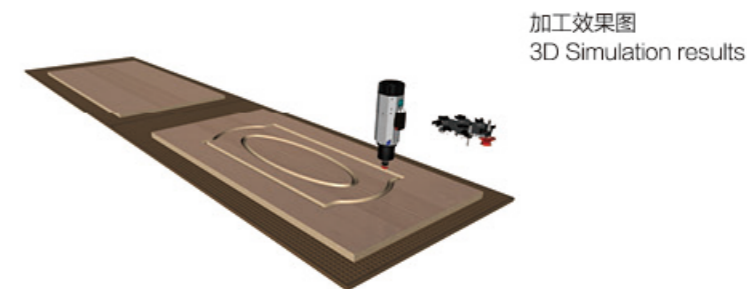


工作台 Table	工作台尺寸 Table size: 1220 × 2440mm
工作行程 Max.working stroke	X axis:2540mm Y axis:1320mm Z axis:200mm 工件高度 Working height: 150mm
位移速度 Rapid speed	X&Y 軸 - 40M/min Z 軸 - 15M/min
動力 Main power	主軸功率 Spindle power: 9kw-ISO-30 真空泵 Vacuum pump: 4.8kw-160m3/h
機械尺寸 Dimensions	面積 Area: 3430x4360x2100mm 淨重 Net weight: 1800kg



產品特性
Product characteristics

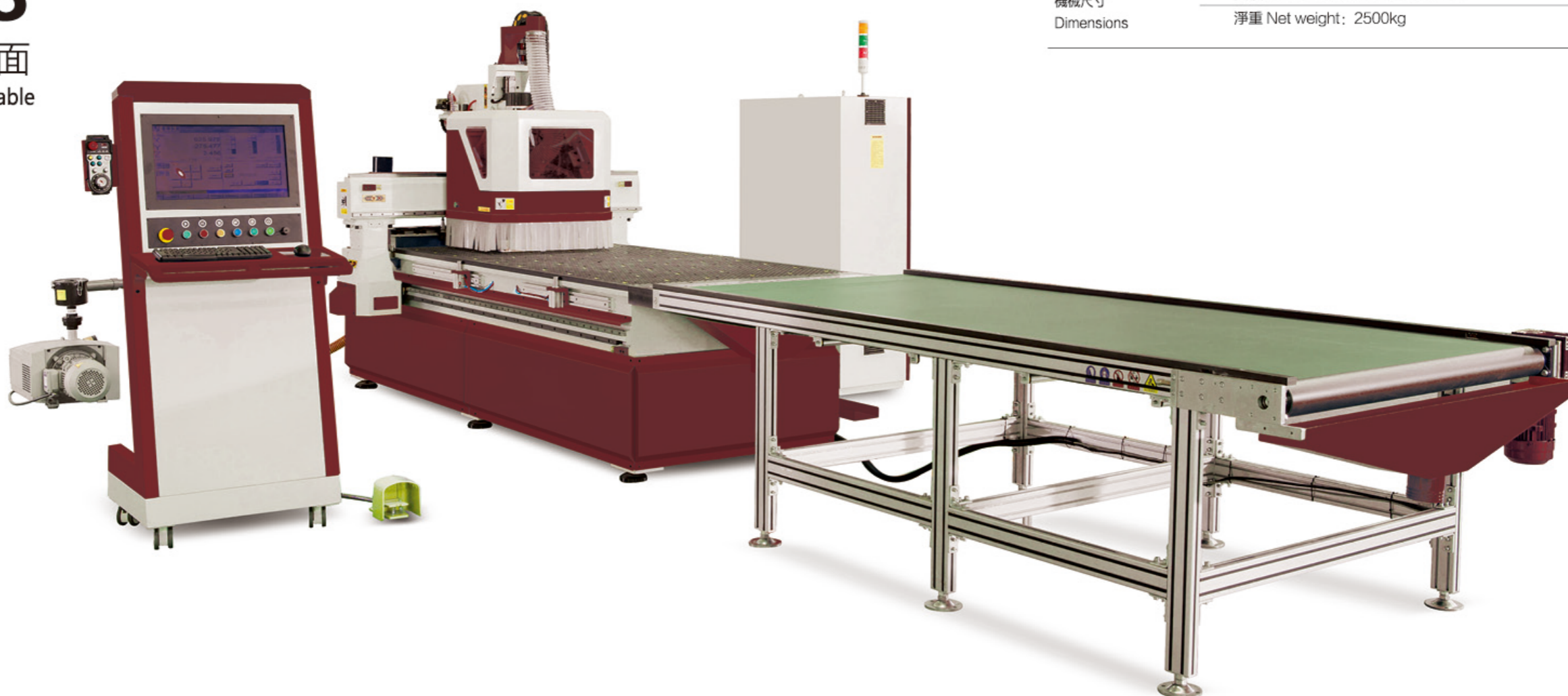
- 模組化機台設計，採用大量鑄件結構，適合輕型板材切割加工。
Modular designed, using a lot of castings, suitable for heavy-duty cutting..
- 特殊結構真空台面設計，讓 100mm 直徑工件吸附切割迎刃有餘。
Special design with structure of the vacuum table allows 100mm diameter works pieces cut freely by adsorption controlled.
- 搭配皮帶輸送機下料，可使用手動模式貼標工件。
Cutting with belt conveyor can be used in manual mode labeling Workpiece.



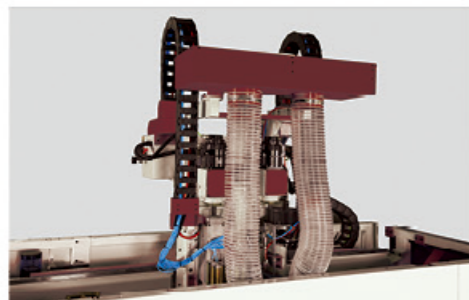
工作台 Table	工作台尺寸 Table size: 1220 × 2440mm
工作行程 Max.working stroke	X&Xg 軸 - 2540mm、Y 軸 - 1320mm、Z 軸 - 200mm 工件高度 Working height: 150mm
位移速度 Rapid speed	X&Y 軸 - 40M/min Z 軸 - 15M/min
動力 Main power	主軸功率 Spindle power: 9kw-ISO-30 真空泵 Vacuum pump: 4.8kw-160m³/h
機械尺寸 Dimensions	面積 Area: 6800x4500x2150mm 淨重 Net weight: 2500kg

UAP-48

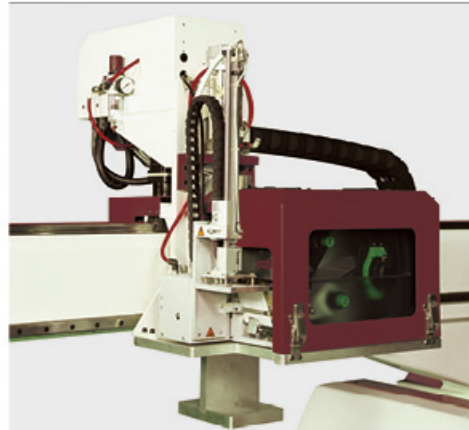
自動推料矩陣台面
Automatic Pusher nesting table



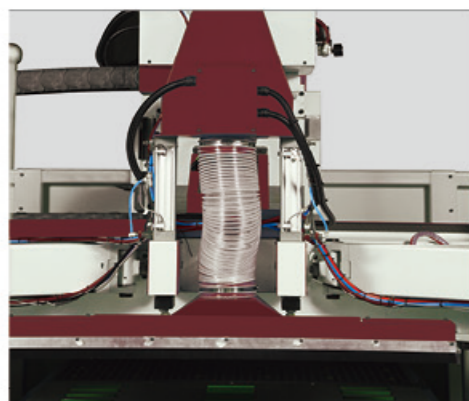
機械特性 FEATURES OF MACHINING



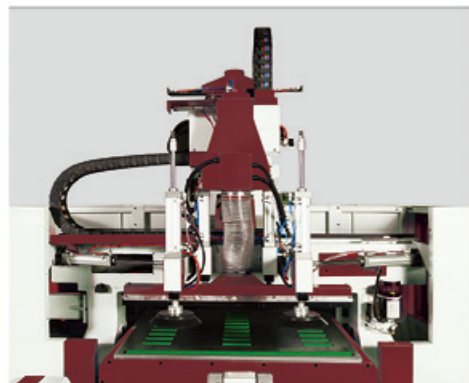
- 雙 Z 軸伺服傳動
主軸使用 Z 軸傳動，氣排鑽使用 W 軸傳動，可確保加工深度的準確度。
Double Z axis servo drive
Z-axis spindle drive, exhaust gas drilling using W- axis drive to ensure the accuracy of machining depth.



- 條碼打印 & 自動貼標手臂
條碼經由軟件自動生成，可配合自動貼標手臂，將條碼自動定點貼住工件。
Barcode Printing & automatic labeling arm
Bar code is automatically generated by the software, can be placed on the specific position of the workpiece automatically by the automatic labeling arm.

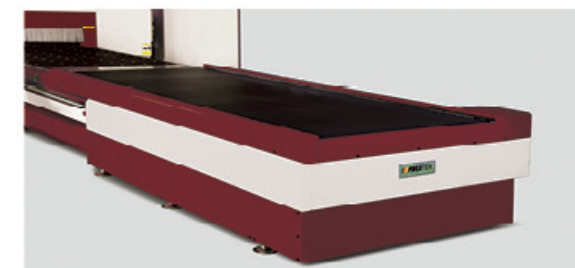


- 自動推料集塵機構
垂直上下推料設計，可承受重載負荷推料，並配置棕刷集塵效果良好。
Automatic dust ejector mechanism
Design with vertical loading & unloading can withstand and push heavy material, collect dust with brush.

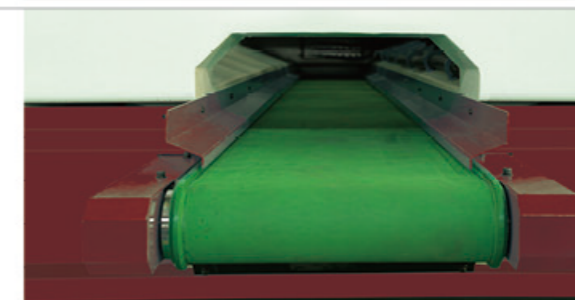


- 懸臂真空吸料機構
懸臂式真空吸盤設計，可承受重載負荷吸料，並避開貼標手臂的干涉。
Cantilever vacuum suction mechanism
Cantilever vacuum sucker designed to withstand heavy loading material and avoid the interruption from the labeling arm.

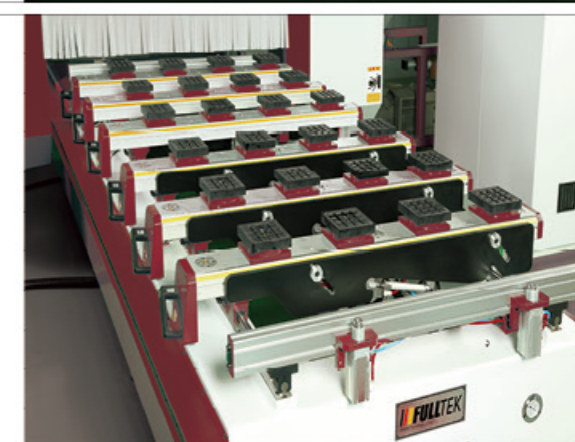
- 皮帶輸送機構
無段變頻配合 X 軸位移速度，並配置光電開關定位，可任意控制工件的輸送。
Belt conveyor mechanism
Photoelectric switch can control the transport of the work piece freely.



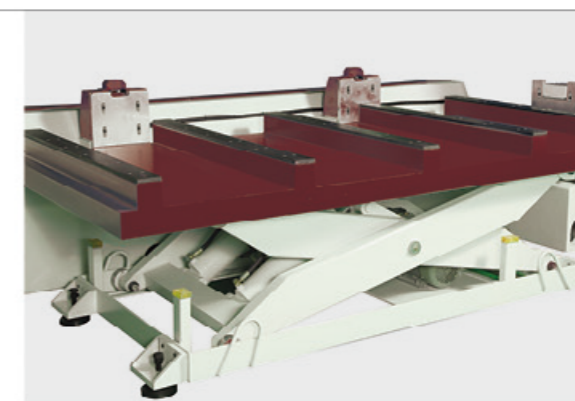
- 木屑輸送皮帶機
機台配置木屑粉塵輸送機，可將加工後殘餘料自動排出。
Sawdust belt conveyor
Machine Configuration wood dust conveyor, the residual material can be processed automatically discharged



- PTP 真空吸附台面
六組移動式真空吸附台面，左右區四工位的加工設計。
PTP vacuum table
Six group of mobile vacuum adsorption table. Four - station working table designed.



- 升降台定位機構
油壓升降台，配置雙段光電開關，確保升降安全定位。
Lift table positioning mechanism
Hydraulic lifts, Matched two-stage configuration of photoelectric switch to ensure safe lifting.



- 離心式真空泵
250m³/h 排氣量的離心式真空泵，並配置可透視過濾器及真空破壞功能。
Centrifugal pumps
250m³/h centrifugal pumps, Matched perspective filter and vacuum breaking function.



SERVICES INTEGRATION ELITE TEAM

精英團隊研發生產服務一體化



價值延伸
廣泛應用于高端領域

HIGH-END



我們將提供，極致的客戶體驗方案
Customers experience

售前
Pre-sales

優質的售前服務是對顧客最大的負責，我們擁有專業的應用技術工程師，為顧客提供極致的客戶體驗方案，確保顧客購買利益最大化。

Quality pre-service is the most responsible for the customer, we have a professional technical engineer team to provide experience program ,to ensure the maximum purchase benefit for customers.

售中
Sales service

專業調試工程師隨時進行產品巡檢，對客戶不規範使用進行即時糾正，並檢測設備運轉做好即時維護保養，確保顧客經濟效率最大化。

Professional application technical engineer, at any time to direct the customer to operate the machine correctly , to insure the buyer' s economic efficiency maximized.

售后
After Sales
service

專職售服工程師不斷主動追蹤後續服務，免費為客戶再培訓指導，及精心講解操作要點與注意事項，確保顧客機械駕駛率最高化。

The professional customer service engineers continue to do the follow-up services, such as free training guide、the operation points explaining and matters needing attention, to ensure that the customer mechanical driving rate is highest.

THE GLOBAL CNC CUTTING SOLUTIONS PROVIDER
全球数控切割解决方案供应商



創緯實業有限公司

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