

高速電腦裁板機
HIGH SPEED
COMPUTER
PANEL
SAW



TPS-PCH Series

Cutting Feed Rate **100** Meters/min

Max. Depth of Cut **120** mm

裁切速度高達 **100** 米/分

鋸切厚度可達 **120** mm

HOLYTEK

HOLYTEK INDUSTRIAL CORP.

TPS-PCH Series

On the cutting edge of tomorrow

TPS-10PCH

(3250mm length of cut)
(裁切長度 3250mm)

TPS-12PCH

(3850mm length of cut)
(裁切長度 3850mm)

本機採用先進電腦控制，軟體功能特殊，著重裁板機多功能及操控之方便性而設計。液晶式螢幕，軟體功能稟異，提供易懂、易學、易操作之電腦控制。

電腦功能包含編輯，操作控制，加工流程圖形顯示，問題指示及動作監視等功能。

The series of panel saw is equipped with advanced computer control combined with specially designed software to enhance versatility and maximum operation convenience.

The LCD screen and outstanding software make the control system easy to understand, learn and operate. Powerful computer functions include editing, operation control, machining motion flow display, trouble indication and motion motoring.



today. Computer panel saw by TAI CHAN.

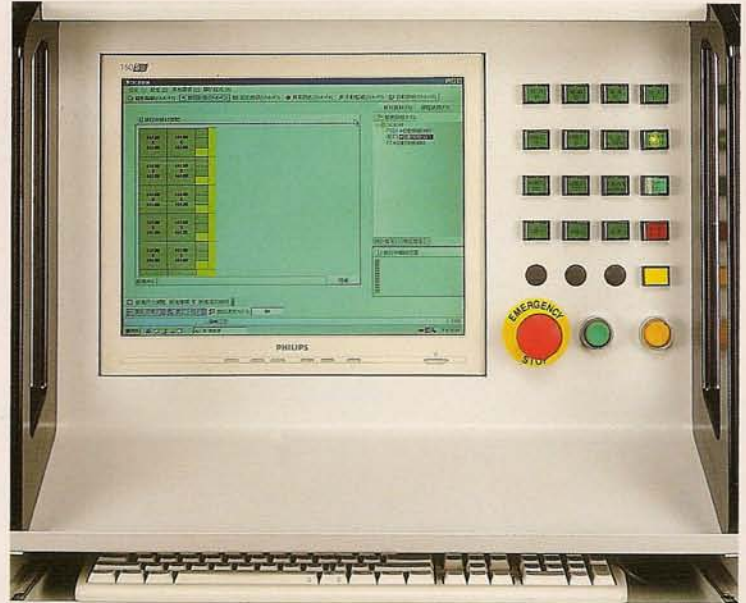




Equipped With 15" LCD

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- Great memory capacity up to 200 sets, permitting for the retention of a wide variety of cutting parameters.
- Featuring a parameter setting guide. Once a parameter has been entered, the following parameter to be entered can be guided by the flash signal on the corresponding parameter. This provides maximum convenience for the parameter setting sequences.
- Graphic display for panel cut.
- PC control.
- Industrial grade computer.
- Sawblade raising height automatically adjusts to meet stacked panel thickness.
- Scoring sawblade position is conveniently adjusted on the screen.
- Panel width is detected by high speed optical-fiber photocell sensor.
- Main and scoring sawblades are driven by independent motor.
- Floating tables are standard equipment.
- Entire cutting sequences from stacked panel infeed, precision cutting, to outfeed are fully computer controlled.
- Equipped with 15" LCD colorful screen.
- Industrial grade computer features powerful function.
- Great memory capacity. Memory space makes future upgrades of memory possible.
- Automatic calculation function.
- Optimization cut function.
- Instant graphic display for edit.
- Command and data input through keyboard and mouse.
- Chinese and English language conversion.
- Available to be online with printer and Ether network (optional)



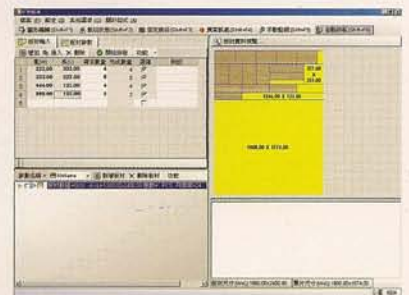
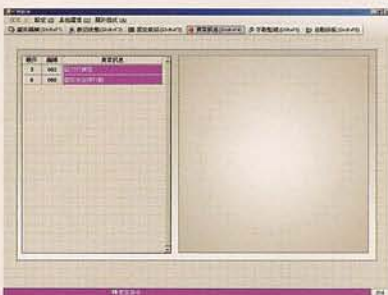
PLC(15")液晶彩色螢幕



Colorful Screen

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- 採用PC電腦控制。
- 工業級電腦。
- 鋸座行程單滑軌。
- 鋸片升起高度依疊板厚度自動調整。
- 子鋸高低左右位置經由螢幕調整。
- 板寬採用高速光纖電眼偵測。
- 主鋸、副鋸個別馬達驅動。
- 浮動送料台為標準配備。
- 採用15"液晶彩色螢幕。
- 工業級電腦，功能強勁。
- 記憶容量大。記憶容量預留量大，可大量擴充記憶功能。
- 自動演算功能。
- 最佳化裁切功能。
- 編輯圖形立即顯示功能。
- 指令及資料輸入採用鍵盤及滑鼠操作。
- 中英文轉換。
- 可與印表機，乙太網路連線（選購配件）。



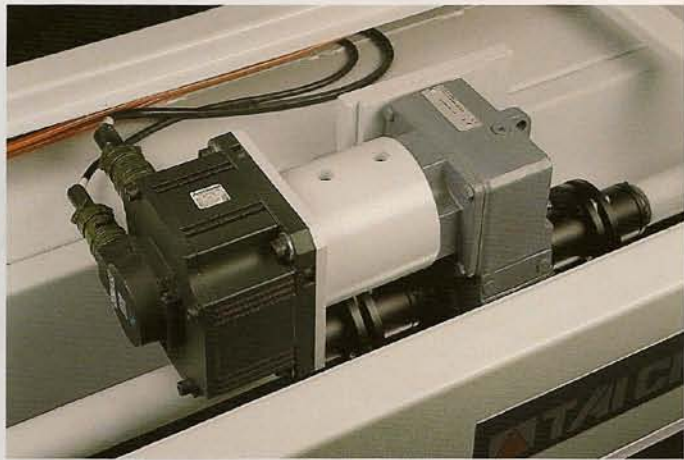


附側送料裝置 Panel Side Feeding Device



TPS-PCH

On the cutting edge of tomorrow



PRECISION PANEL FEEDING SYSTEM

The panel feed is driven by Japan imported 2KW AC servo motor, and transmitted through German Imported speed reducer and precision rack. This features high efficiency and low backlash. Extremely high feed speed up to 80 meters per minute. High Panel positioning accuracy is achieved through a German imported magnetic scale.

精密自動送料機

板料送料傳動機構，採用德國進口減速機、日製2KW AC伺服馬達與精密齒排，具高效率低背隙特性，自動送料速度每分鐘80米。採用德國進口磁性尺，板料送料定位精準。



ADVANCED SAW CARRIAGE

18 HP main saw motor and 3HP scoring saw motor are separately driven. Saw carriage is driven through German imported 1.5HP speed reducer combined with rack. Automatic panel position detection for on-way cutting mode. Scoring sawblade is conveniently adjusted on the screen through motor control. Sawblade raising height automatically adjusts to meet stacked panel thickness.

先進鋸座構造

主鋸 18HP 馬力與副鋸 3HP 馬力以各別馬達驅動，鋸座行程採用德國 1.5HP 減速機馬達配合齒排驅動，半程裁切，能自動偵測板料位置。副鋸片調整，採用馬達螢幕操作調整。依疊板厚度，自動偵測鋸片須露出高度。

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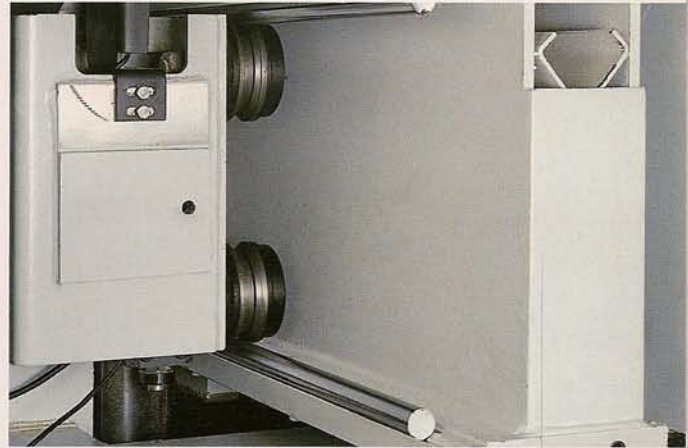
PANEL FENCE PRESS

When cutting a narrow panel, panel fence presses can be applied for pressing the panel against the fence, ensuring high square accuracy of cut. The fence press motions are automatically detected or program controlled for maximum convenience.

縱鋸靠板

本機壓樑上配置靠板裝置，針對窄料縱鋸時，提供優異的裁切直角精度。

縱鋸靠板動作經自動偵測或程式控作，操作方便。



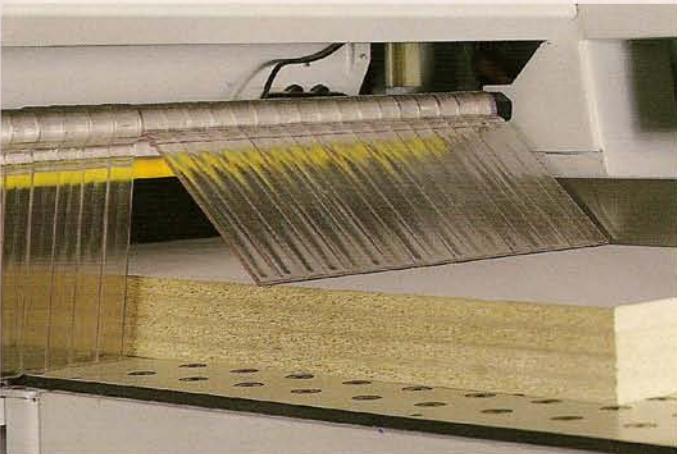
SAW CARRIAGE TRAVELS ON SINGLE RAIL

The advanced design of single rail on saw carriage slideway effectively reduces saw carriage movement inertia, while assuring maximum smoothness and linear accuracy.

Saw carriage feed forward speed reaches to 100 meters per minute.

鋸座行程單滑軌

鋸座行程採用最先進的單滑軌設計，有效降低鋸座移動慣性，大幅提升鋸座行程之順暢性能，與最佳的直線精度，鋸座前進速度每分鐘高達100米。

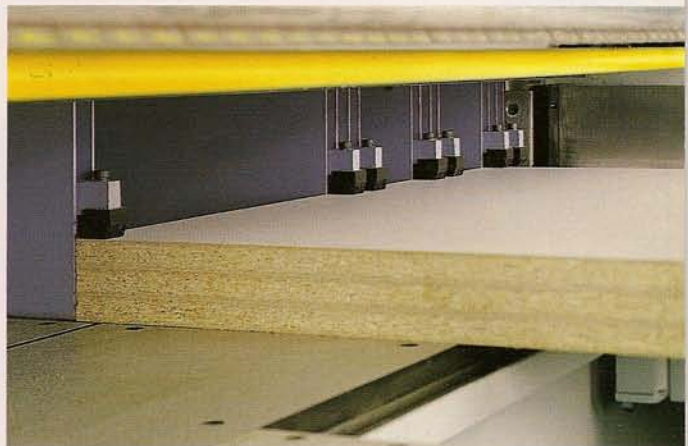


SWING TYPE SECTIONAL DUST GUARD

The swing type dust guard is equipped in front of pressure beam. The sectional structure provides fully enclosed dust guard regardless of panel width.

迴轉式節段防塵罩

迴轉式防塵罩安裝在壓樑前面，為節段式構造，對寬窄板料提供全閉密式之防塵效果。



SUSPENDED GRIPPER

The grippers are air operated, and are fitted with rubber to avoid damage on workpiece surface.

懸吊式夾料爪

採氣壓式夾料，夾料爪裝有膠片，保護工件不被夾傷。

MODEL 型式			TPS-10 PCH	TPS-12 PCH
CAPACITY 鋸切能力	鋸切長度	Maximum length of cut	3250mm	3850mm
	鋸切厚度	Maximum depth of cut	0~100mm(120mm選項)	0~100mm(120mm選項)
MAIN SAWBLADE 主鋸片	主鋸片直徑	Main blade diameter	ø405mm	ø405mm
	鋸軸直徑	Arbor diameter	ø60mm	ø60mm
	主鋸軸轉速	Main blade speed	3910R.P.M.	3910R.P.M.
SCORING SAWBLADE 副鋸片	副鋸片直徑	Scoring Blade diameter	ø180mm	ø180mm
	鋸軸直徑	Arbor diameter	ø45mm	ø45mm
	副鋸軸轉速	Scoring blade speed	5100R.P.M.	5100R.P.M.
SAW CARRIAGE 鋸座	前進行程速度	Feed forward speed	100M/min	100M/min
	後退速度	Retract speed	120M/min	120M/min
MOTOR 馬達	主鋸片驅動馬達	Main sawblade motor	20HP(25HP optional)	20HP(25HP optional)
	副鋸片馬達	Scoring sawblade motor	3HP	3HP
	鋸座驅動馬達	Saw carriage drive motor	1.5HP	1.5HP
	高壓送風機馬達	High pressure blower motor	3HP	3HP
	自動送料系統	Automatic feed system	2kw(AC servo motor)	2kw(AC servo motor)
OTHERS 其他	自動送料速度	Automatic panel feed speed	80M/min	80M/min
	使用氣壓	Working air pressure	7kg/cm ²	7kg/cm ²
	工作檯離地高度	Table height from floor	950mm	950mm
	淨重	Net weight	5200kg	5200kg



標準配備

- 迴轉節段式防塵罩
- 主鋸片
70T, ø60 mm孔徑, ø450mm外徑, 5.0厚
- 副鋸片
40T, ø45 mm孔徑, ø180 mm外徑, 4.5-5.0厚
- 浮動台 (入料台)

STANDARD EQUIPMENT:

- Swing type sectional dust guard.
- **MAIN SAWBLADE**
70T, ø60mm bore, 450mm O.D. 5.0mm thick.
- **SCORING SAWBLADE**
40T, ø45mm bore, 1800mm O.D. 4.5-5.0mm thick.
- Floating table.

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