



TPS-CS series Computer Panel Saw

with Suspended Gripper

電腦裁板機
懸吊式夾料爪

HOLYTEK

HOLYTEK INDUSTRIAL CORP.

TPS-CS series

CE

Computer Panel Saw

with Suspended Gripper

電腦裁板機

懸吊式夾料爪

- 電腦控制，操控簡易。
- 8', 10', 12' 機種選擇。
- 懸吊式夾料爪。
- 無段鋸座速度。
- 可與個人電腦連線。
- 自我偵測功能。
- 簡易引導式參數設定。
- 送料採 AC 伺服馬達驅動。

- Advanced computer control for maximum operation convenience.
- Choice of cutting capacity- 8', 10' and 12'.
- Suspended gripper.
- Variable saw carriage feed speed.
- Online with personal computer.
- Self diagnostic function.
- Conveniently parameter setting by signal guide.
- Panel feed driven by AC servo motor.

TPS-8CS

(2650mm length of cut)
(裁切長度 2650mm)

TPS-10CS

(3250mm length of cut)
(裁切長度 3250mm)

TPS-12CS



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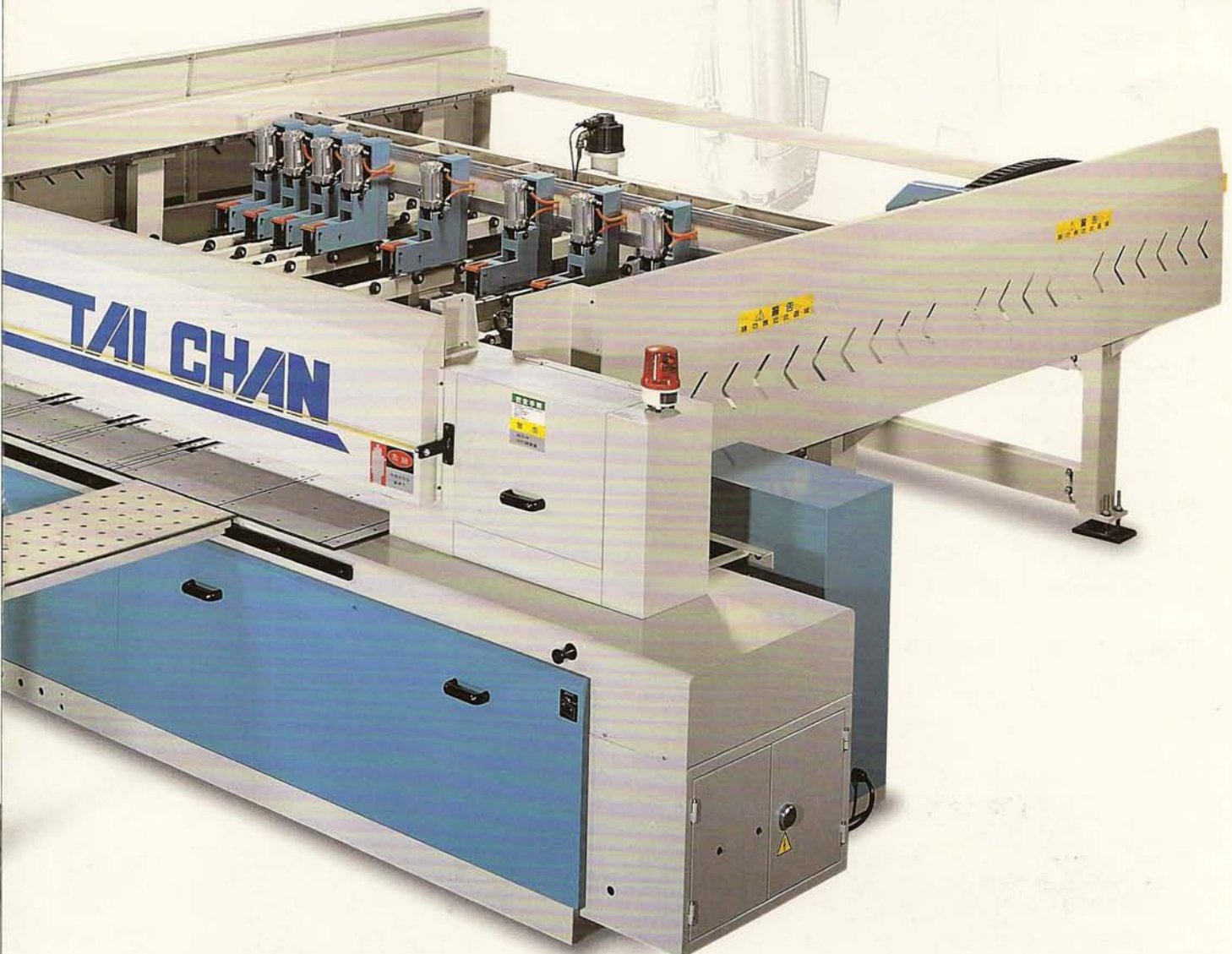
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PANEL FEEDING MECHANISM

The panels are fed on the rubber wheels without scratching on the panel surface. Also, fast and smooth feeding performance are ensured.

送料機構

送料機構採用橡膠輪，不傷木材表面，送料快速順暢。



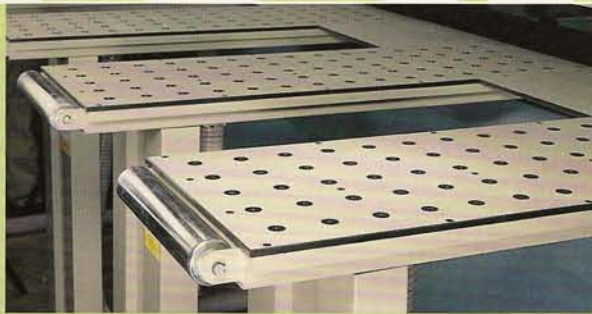
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FLOATING TABLE

The floating tables are drilled with holes throughout the table area, in which are fitted steel balls. Powerful blowers supply air into the holes, forcing the steel balls to protrude above the table surface, creating a floating effect. This allows the panels to infeed effortlessly. The table surfaces are covered with bakelite to prevent scratching of the panel during feeding.

浮動送料台

浮動送料台面密佈通孔，孔內裝有鋼珠，採強力送風機將鋼珠吹氣，形成鋼珠浮動原理。提供輕巧的木板入料功能。浮動台面並貼有電木，可避免入料時造成工件表面刮傷。

SCORING SAWBLADE ADJUSTMENT

The scoring sawblade can be adjusted vertically for depth of cut control. Once wear occurred, adjust its position for compensation. The scoring sawblade also can be adjusted laterally for alignment to main sawblade.

副鋸片調整

副鋸片可上下調整，做鋸深控制。鋸片磨耗時，可上下調整補償。副鋸片並可左右調整，與主鋸片鋸路對準。



SUSPENDED GRIPPER

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

懸吊式夾料爪

採用氣壓式夾料，夾料爪裝有膠片，保護工件不被夾傷。

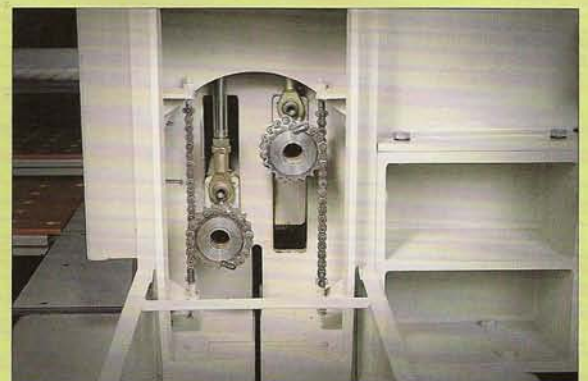


DOUBLE BEAM CLAMPING

The pressure beams come down to hold the panel separately. This ensures firm clamping on panel especially when performing the final cut.

雙壓樑壓料

雙壓樑為先後下降壓料，於最後裁切時，確保板料壓料不偏移。



VARIABLE SAW CARRIAGE FEED SPEED

The saw carriage feed speed is controlled by a frequency inverter, providing variable feed speed. Speed range is from 9 to 37 m/min.

ADVANCED SAW CARRIAGE

The saw carriage feed is driven by rugged wire. Fitted with a shock absorbing cylinder to prevent bumping while it travels to the left side. The scoring blade may be laterally adjusted for a burr free cut or vertically adjusted for proper depth of cut and to compensate for blade wear.

無段鋸座速度

鋸座前進速度採用變頻器控制，提供無段變速。速度範圍9~37 米/分。

精密鋸座，行程快速順暢

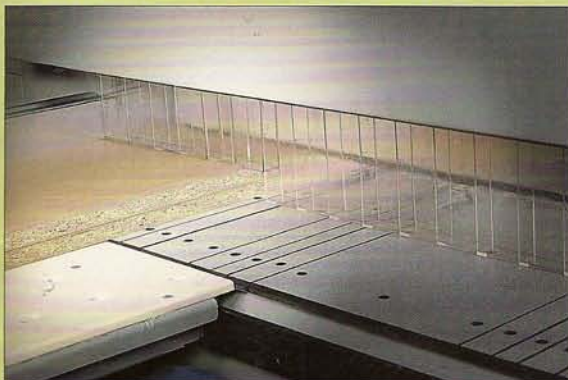
本機之鋸座進給採鋼索致動，滑行順暢平穩。行程裝置有緩衝缸防震，鋸座左右調整極為方便。裁切性能高，無毛邊產生，並可做上下調整做鋸深控制，鋸片磨耗時，可調整補償。

PIANO-KEY TYPE DUST GUARD

This sectional Piano-key type dust guard not only acts as a surrounding sawblade guard, but also fully prevents sawdust from spraying out of the machine.

琴鍵式防塵罩

琴鍵式防塵罩為節段式，提供鋸切時之全密閉式鋸片防護，並可避免切屑之飛濺。

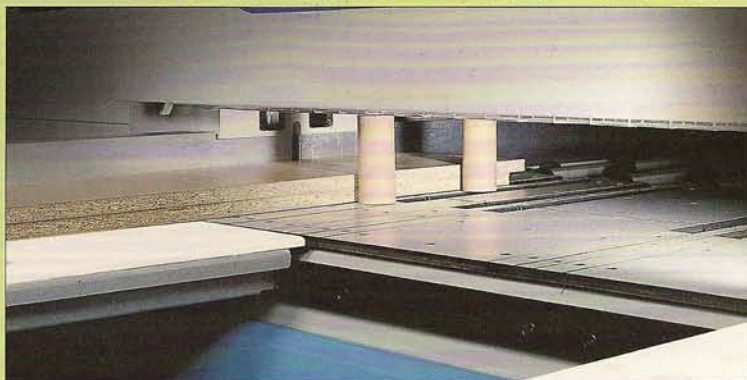


PANEL FENCE PRESS

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 controlled through computer 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。縱鋸靠板動作經電腦控作，操作方便。



FEED DRIVE SERVO MOTOR

The feed system is driven by high performance AC servo motor featuring great torque output and superior positioning accuracy. Swiss imported gear reducer with backlash adjustable assures minimum backlash and precision transmission. The Swiss imported rack combined with V slideways provides maximum dependability of travel accuracy.

送料伺服馬達

送料驅動採用進口AC伺服馬達，扭力大、瞬間定位精準，減速機為瑞士進口背隙最小，精密，背隙為可調式。配合瑞士進口排齒軌道附V型滑動面，展現卓越特出的行程精度。



機電一體的先進電腦控制

- 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.
- The controller can be online with a personal computer through a RS-232C interface. Also, the setting data can be printed out.
- Employed with touch sensing keys on the screen for convenient operations, eliminating the problem of dust contamination.
- The panel numbers of feed can be set as desired.
- Featuring a self diagnostic function. Provided with comprehensive probable cause of trouble and detailed trouble shooting guide, allowing the operator to correct problems easily.
- 5-digit value display.
- Memory space makes future upgrades of memory possible.
- Choice of Chinese or English screen display to meet customer requirements. Superior software system for human and machine interface.
- The setting values can be memorized for 5 years in case of power failure. The other programs can be memorized permanently.
- High positioning accuracy. Fast feed speeds.
- The panel length is automatically calculated by computer and displayed on screen.

Powerful Function of computer

The computer controller is designed specifically for panel cutting control utilizing the advanced micro computer technology, touch sensing control, parameter setting guide, and is operator friendly, making it easy to learn and operate. Controller provides flexible functions as edit, operation control, cutting status illustration, trouble indication monitoring.

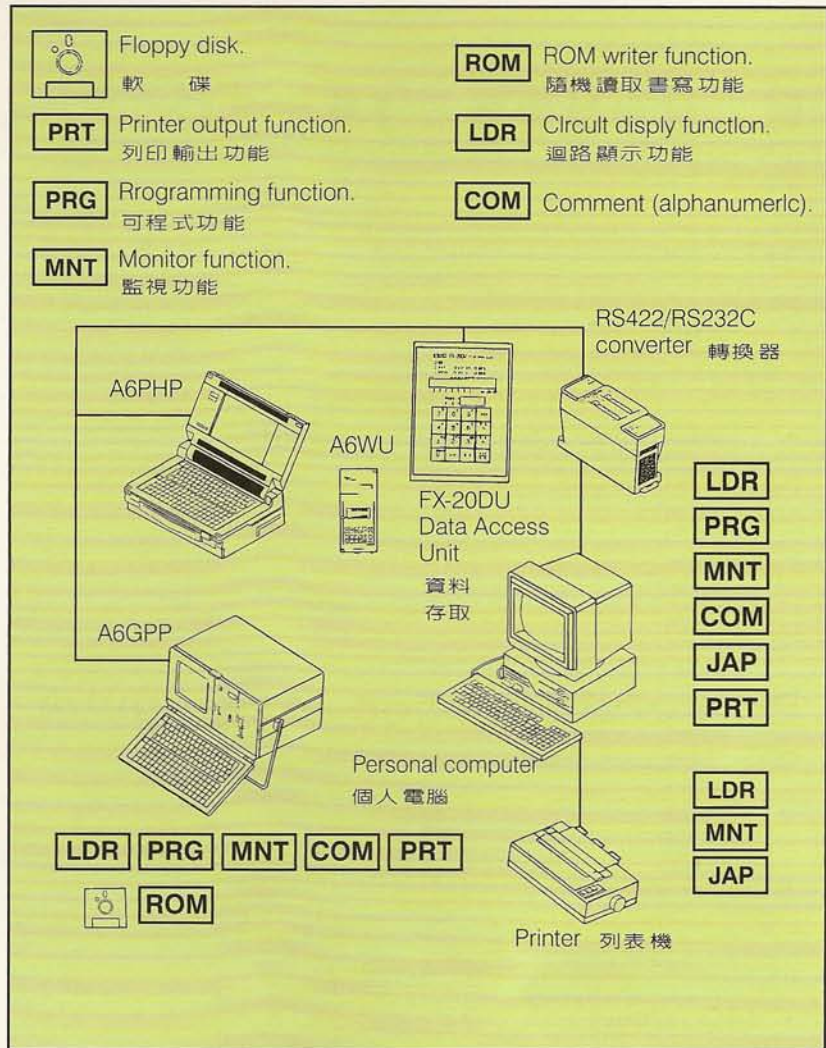
邵展裁板機是專為快速、精密、簡易操控而創出。邵展電腦裁板機融合多項先進功能於一機。先進的電腦控制，獨特的自動送料機構，快速切削的循環時間、精準的直角精度，以及更多不凡的裁切價值。當然，如果裁切精度及效率是您最大的考量，邵展電腦裁板機是您睿智的選擇。



operator-friendly computer controller

- 記憶容量 200 組，記憶容量大，可記憶多種不同裁切尺寸。
- 引導式參數設定，當一數值設定輸入後，下一數值設定可由閃爍信號引導，提供操作者簡易的參數設定順序。
- 裁切木板圖形顯示。
- 可藉由 RS-232C 介面與個人電腦連線，並可列印資料。
- 螢幕觸摸式按鍵，操作簡易，無塵屑侵入之困擾。
- 電腦具故障自我檢測功能。詳細的故障排除指示，提供各種可能故障之原因，讓操作者可自行方便維修。
- 5 位數字顯示。
- 記憶容量預留量大，可擴充記憶功能。
- 中、英文畫面顯示可供客戶選擇。優異的人機介面軟體系統。
- 斷電時設定值可保持 5 年記憶，其他程式可永久記憶。
- 驅動定位高精度，送料速度快。
- 裁切木板長度經電腦自動演算，及螢幕顯示。
- 木板送料數可任意設定。

ONLINE WITH A PERSONAL COMPUTER 個人電腦連線示意圖



STANDARD EQUIPMENT:

- Piano-Key type dust guard.
- Floating table.
- Main sawblade-60T, $\phi 355\text{mm}$, 3.5mm thick.
- Scoring sawblade-40T, $\phi 180\text{mm}$, 3.2-4.0mm thick, adjustable.

標準配備：

- 琴鍵式防塵罩。
- 浮動送料台。
- 主鋸片-60T, $\phi 355\text{mm}$, 3.5mm 厚。
- 副鋸片-40T, $\phi 180\text{mm}$, 厚度可調 3.2-4.0mm。

SPECIFICATIONS

MODEL 型式		TPS-8CS	TPS-10CS	TPS-12CS
CAPACITY 鋸切能力	Maximum length of cut 鋸切長度	2650 mm	3250 mmn	3850 mmn
	Maximum depth of cut 鋸切厚度	80 mm	80 mm	80 mm
MAIN SAWBLADE 主鋸片	Blade diameter 鋸片直徑	ø355 mm	ø355 mm	ø355 mm
	Arbor diameter 鋸軸直徑	ø1"	ø1"	ø1"
	Speed 轉速	4800 RPM	4800 RPM	4800 RPM
SCORING SAWBLADE 副鋸片	Blade diameter 鋸片直徑	ø180 mm	ø180 mm	ø180 mm
	Arbor diameter 鋸軸直徑	ø1"	ø1"	ø1"
	speed 轉速	6500 RPM	6500 RPM	6500 RPM
SAW CARRIAGE 鋸座	Feed forward speed (variable) 前進行程速度 (無段)	9-37 M/min	9-37 M/min	9-37 M/min
	Retract speed 後退速度	67 M/min	67 M/min	67 M/min
OTHERS 其他	Main sawblade motor 主鋸片驅動馬達	13 HP	13 HP	13 HP
	Saw carriage drive motor 鋸座驅動馬達	2 HP	2 HP	2 HP
	High pressure blower motor 高壓送風機馬達	3 HP	3 HP	3 HP
	Automatic feed system 自動送料系統	1 kw (AC Servo) (AC 伺服馬達)	1 kw (AC Servo) (AC 伺服馬達)	1 kw (AC Servo) (AC 伺服馬達)
	Automatic panel feed speed 自動送料速度	30 M/min	30 M/min	30 M/min
	Working air pressure 使用氣壓	5-6 kg/cm ²	5-6 kg/cm ²	5-6 kg/cm ²
	Table height from floor 工作台離地高度	820 mm	820 mm	820 mm
	Net weight 淨重	2800 kg	3000 kg	3300 kg
	Machine dimensions (LxWxH) 機械尺寸 (長x寬x高)	211" x 220" x 60" 536x559x153 cm	232" x 244" x 60" 589x620x153 cm	256" x 268" x 60" 650x680x153 cm

- All specifications, dimensions and design characteristics shown in this catalogue are subject to change without notice.
- 本公司隨時進行研究改善的工作，因此本型錄內所示之尺寸及設計特性，得以變更，恕不另行通知。

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