

COMPUTER PANEL SAW

HIGH SPEED 高速電腦裁板機 TPS-SNL / TPS-SN



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TPS-SNL ON THE CUTTING EDGE OF TOMORROW TODAY. AIR FLOATING COMPUTER PANEL SAW.

THE ALL NEW SNL SERIES

The TPS-SNL series of Panel Saws come equipped with PC computer control standard combined with specially designed software to enhance versatility and maximum operational 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 monitoring.

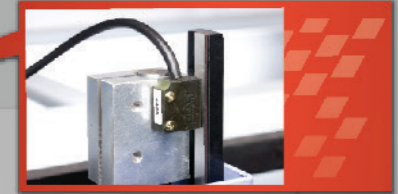
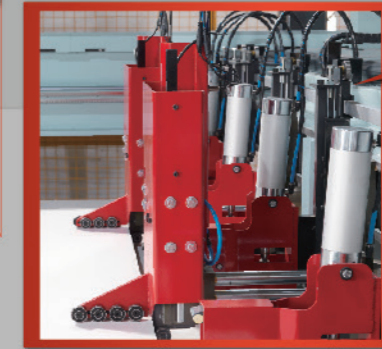
本機採用PC標準電腦控制，軟體功能特殊，著重裁板機多功能及操作之方便性而設計。液晶式螢幕，軟體功能稟異，提供易懂、易學、易操作之電腦控制。電腦功能包含編輯、操作控制、加工流程圖形顯示、問題指示及動作監視等功能。

MICRO-FEED LINEAR DETECTION SYSTEM

During micro-feed system start up, the leveler advances to the panel stack position detector one the lifting table and a micro-feed material probe descends to the panel surface. During ascent of the lifting table, the magnetic scale automatically detects and sets material height, hydraulics stop vertical progress of the stack and the panel advances to the cutting position.

微送料線性偵測系統

當微送料系統啟動時，水平缸推出移動至升降台面上之疊板偵測位置，微送料探針下降至板料上，升降台上升時磁性尺自動偵測送料高度，當到達設定送料高度時，油壓系統停止升降，板料被往前推向裁切位置。



QUADRUPLE COLUMN LEVEL LIFTING TABLE

Features 5HP hydraulic motor with 6 tons load capacity, quick lifting, stable, automatic or manual control of horizontal ballscrew motion.

四柱水平式升降台

使用5HP油壓系統馬達，最大載重高達6噸，升降速度快且穩定並可手動控制自動橫移滾輪左右功能。



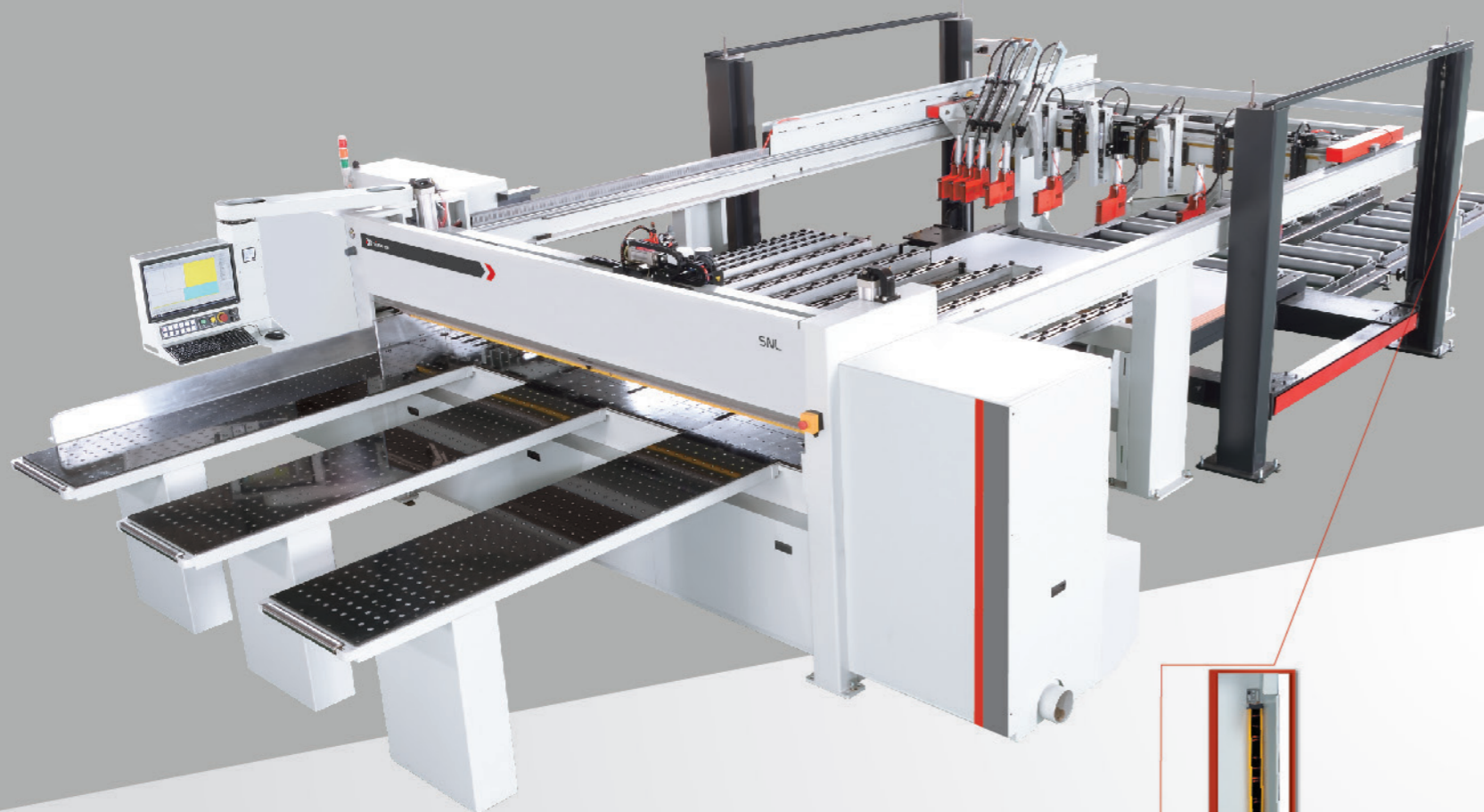
ARRANGER

Arranger panels, when pushing panels to cutting area.

整料器

當工夾座推送板料至裁切區塊時，用於整齊板料。

TPS-SNL



安全裝置
SAFETY GUARD

- Saw carriage travels on single rail.
- Machine body employs honeycomb structure to prevent distortion and deformation.
- Guide rail made of bearing steel. After high frequency treatment, guide rail OD undergoes two precision grindings and chrome plating to ensure long term wear resistance.

- 鋸座行程單滑軌。
- 機身為蜂巢式結構組織，以防扭曲、變形，經特殊處理及硬力消除，以保長期不變形。
- 導杆使用軸承鋼，經高週波處理後，外徑再經2次研磨、鍍鉻，長期確保其耐磨性。



TPS-10SNL
(3200mm cutting length)
(裁切長度3200mm)

TPS-12SNL
(3800mm cutting length)
(裁切長度3800mm)

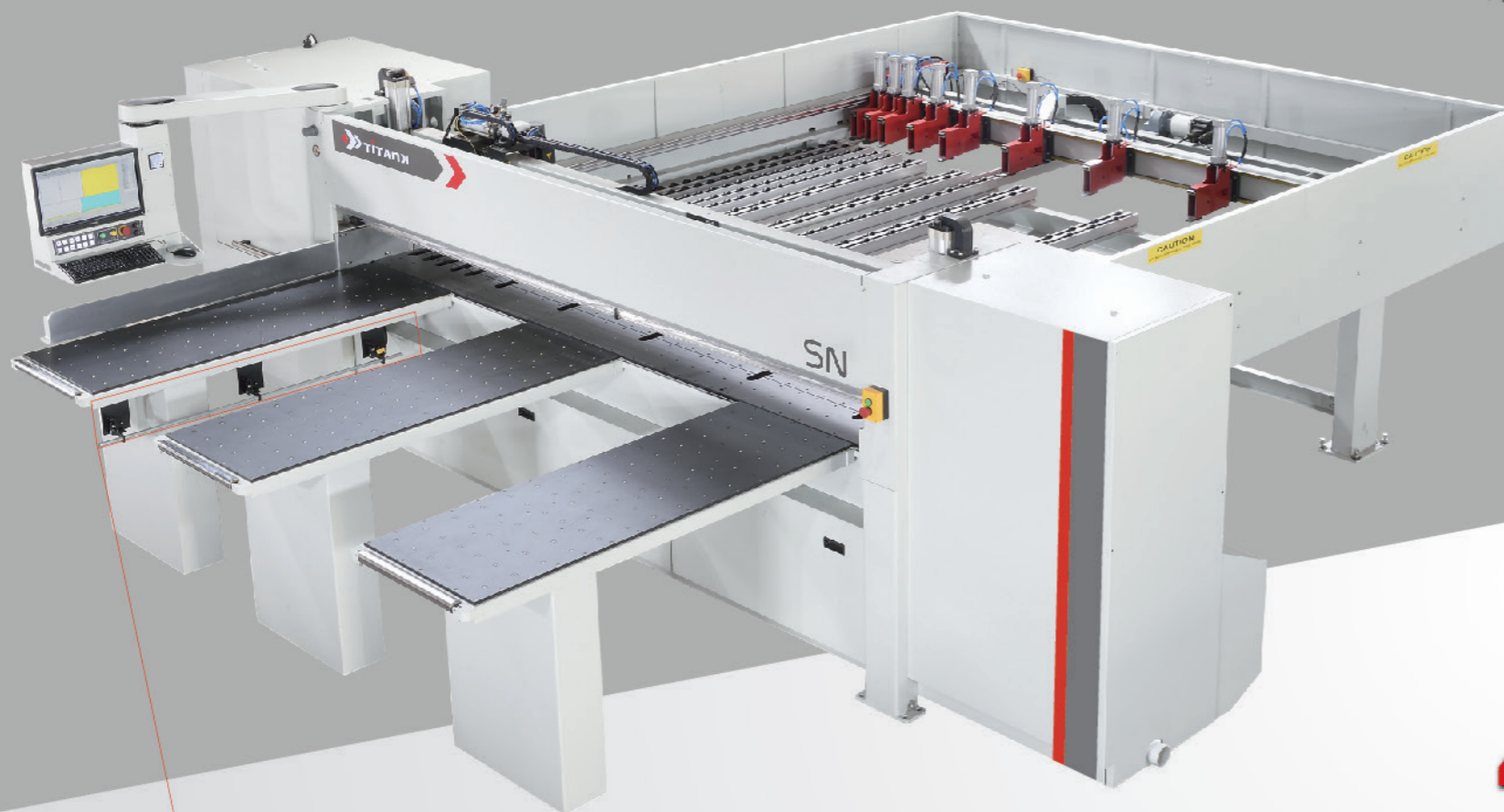
TPS-SN ON THE CUTTING EDGE OF TOMORROW TODAY. AIR FLOATING COMPUTER PANEL SAW.

THE ALL NEW SN SERIES

Tai Chan SN series air floating computer panel saw is designed to prevent panel scratching on surface and combined with PC operating optimizing functions.

部展新一代SN系列氣浮式電腦裁板機

部展SN系列氣浮式電腦裁板機用於防止板材表面刮傷而設計，並且搭配PC最佳化軟體。



AUTO START DEVICE <OPTION>

自動啟動桿 <選配>

PC OPERATING CONTROLLER <OPTION>

- Industrial grade computer
- 21" LCD colorful screen
- Optimization function
- Simulation function
- Barcode printer available <option>
- Officeonline connecting available <option>

PC控制介面 <選配>

- 工業級電腦
- 21吋液晶螢幕
- 最佳化功能
- 模擬裁切
- 條碼機列印 <選配>
- 可連結辦公室 <選配>

BAR CODE PRINTER

- Allows for editing contents as desired.

條碼列印機

- 可自行編輯樣式



JAPAN IMPORTED 10" TFT COLORFUL TOUCH SCREEN

- The computer features self-diagnostic function.
- Chinese/English display conversion for increased flexibility.
- Size error can be compensated by the machine home position.

日製10" TFT液晶彩色觸控式螢幕

- 電腦具故障自我檢測功能。
- 中英文顯示可切換，提供客戶多方位選擇性。
- 尺寸誤差可由機械原點補償。

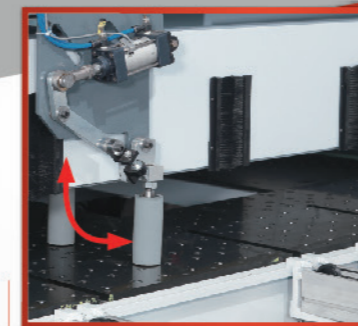


MECHANICAL FLOATING GRIPPERS

The grippers design with mechanical floating and fitted with rubber to avoid scratching on panel surface.

機械式浮動夾料爪

機械式浮動夾爪設計，並裝有膠條保護板料不被夾傷。

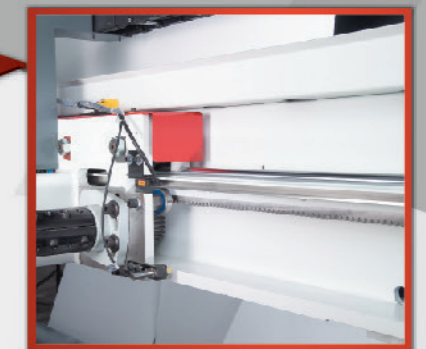


AUTOMATICALLY SWING TYPE SIDE ALIGNER

When cutting narrow panels, the pressing rollers can be applied for pressing panels against the angle fence, ensuring high square accuracy of cut.

自動定位擺動式擋料輪

縱鋸裁切時提供優異性的裁切直角精度。



PRECISION MAGNETIC SCALE

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The machine employs German-imported magnetic scale to achieve high panel positioning accuracy.

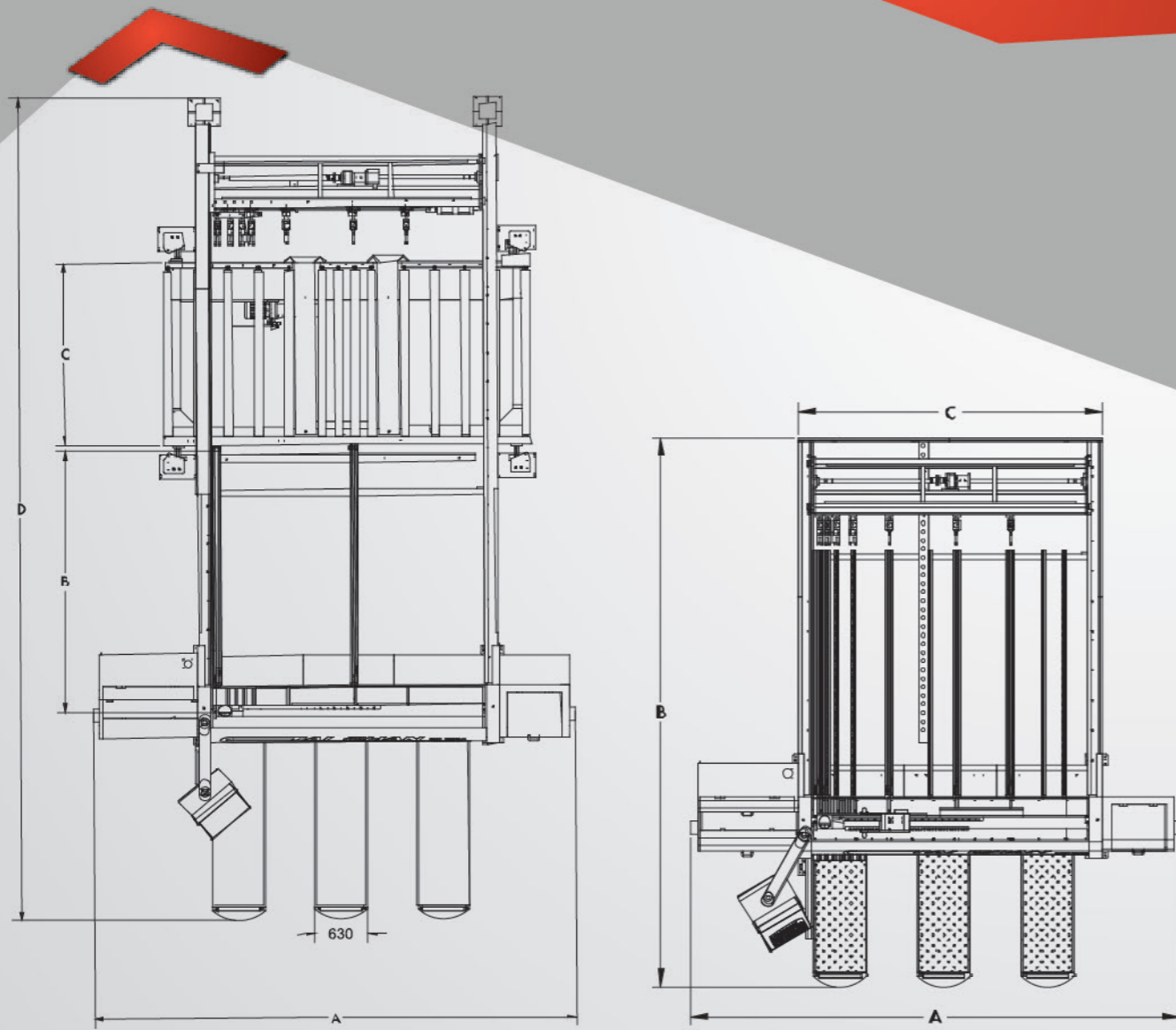
精密磁性尺

採用德國進口磁性尺，確保板料送料定位精準。



TPS-10SN
(3200mm cutting length)
(裁切長度3200mm)

TPS-12SN
(3800mm cutting length)
(裁切長度3800mm)



SNL
SERIES

TPS-SNL	A	B	C	D
10' - 3250	5795	3150	2100	9985
12' - 3850	6395	3750	2300	10585

SN
SERIES

TPS-SN	A	B	C
10' - 3200	5613	6630	3620
12' - 3800	6213	7230	4220

MODEL 型式		10SNL	12SNL	10SN	12SN
CAPACITY 鋸切能力	鋸切長度 Maximum cutting length	3200mm	3800mm	3200mm	3800mm
	鋸切厚度 Maximum cutting depth	100mm (Max. 120mm)			
MAIN SAWBLADE 主鋸片	主鋸片直徑 Main blade diameter	Ø405mm (Max. Ø455mm)			
	鋸片直徑 Arbor diameter	Ø60mm			
	主鋸軸轉速 Main blade speed	3910R.P.M.			
SCORING SAWBLADE 副鋸片	副鋸片直徑 Scoring blade diameter	Ø180mm			
	鋸軸直徑 Arbor diameter	Ø45mm			
	副鋸軸轉速 Scoring blade speed	5100R.P.M.			
SAW CARRIAGE 鋸座	前進速度 Feed speed	1 ~ 100M/min			
	後退速度 Return speed	120M/min			
MOTOR 馬達	主鋸片馬達 Main sawblade motor	25HP		20HP	
	副鋸片馬達 Scoring sawblade motor	3HP			
	鋸座驅動馬達 Saw carriage drive motor	1KW (AC Servo motor)			
	高壓送風機馬達 High pressure blower motor	5HP			
	工夾座驅動馬達 Pusher drive motor	1KW (AC Servo motor)			
LIFTING TABLE 升降台	油壓馬達 Hydraulic motor	5HP			-
	左右移動馬達 Horizontal motion motor	1HP (option)			-
	最大載重馬達 Max. loading capacity	6 tons			-
OTHERS 其他	工夾數 Number of grippers	8	9	8	9
	工夾座送料速度 Pusher feed speed	up to 80M/min			
	使用氣壓 Working air pressure	7kg/cm ²			
	工作台離地高度 Table height from floor	920mm		920mm	
	淨重 Net weight	8800kg	9500kg	6000kg	6500kg
	毛重 Goss weight	9650kg	10500kg	6500kg	7000kg

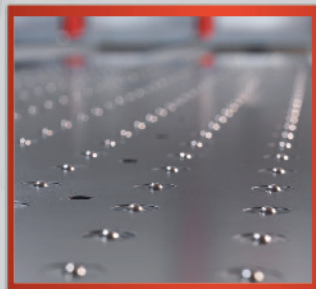
All specifications, dimensions and design characteristics are subject to change without notice

AIR FLOATING IN CUTTING AREA <option>

Equipped air floating balls with 3HP high pressure blower in double side of cutting area effect much reduce down panel scratch on surface.

氣浮式裁切區塊 <選配>

裁切工作區塊兩端採用氣浮式設計搭配3HP高壓送風機，大幅減少板料表面刮傷。

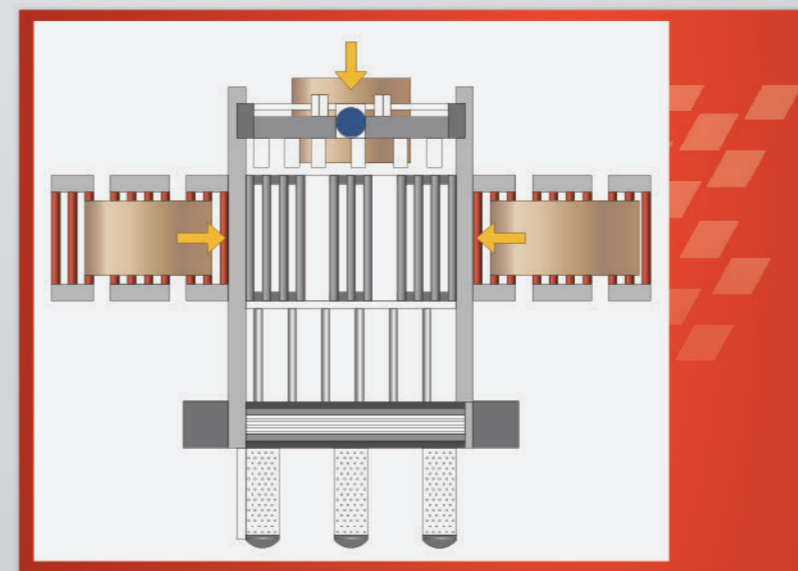
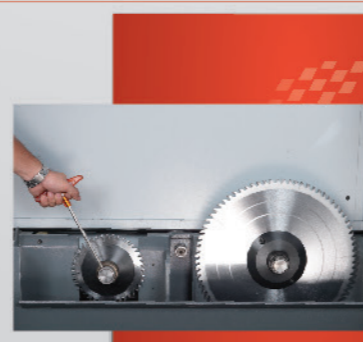


SAW CARRIAGE PERFORMANCE

Blade height auto detection depends on cutting thickness.

鋸座性能

依照板料裁切厚度，自動偵測鋸片所需露出高度。



STANDARD REAR FEED SYSTEM WITHOUT ELECTRIC FEEDING ROLLER

LEFT OR RIGHT REAR FEED SYSTEM <option>

feeding with strengthened electric roller control

標準後方入料未附電動入料滾輪

左側或右側入料系統 <選配>

入料台附有強力型入料滾輪。

HIGH PRECISION, MAXIMUM STABILITY AND EASY TO OPERATE

TITAN