



**CHENG
HUNG** MACHINERY IND. CO.

PUR PANEL LAMINATION SOLUTIONS



PAT.

PUR 反應型熱熔膠貼合線

PUR REACTIVE POLYURETHANE HOT-MELTED GLUE LAMINATION LINE

- 此貼合線可手動及半自動化生產，適用於輕量化板材、鋁材、蜂巢紙及塑膠複合板材貼合。
- 主要可使用在一般門板業、家具業、板材貼合業及室內裝潢業。
- 此貼合線可依客戶生產所需，做客製化生產。

特性：

此貼合線配合 PUR 熱熔膠使用，具有優異粘著性、防水性及耐候性，成品無論在高溫或低溫下都有很好的表現，且不含溶劑對環境污染傷害少。

- This lamination line can be operated by manual or semi-automatic producing. It is suitable for light weight thin materials, aluminum, honeycomb paper and plastic plywood, etc.
- Mainly used in the fabrication of doors, it can also be used in furniture, sheet laminating and interior decoration industries.
- This lamination line can be customized by customer's request.

Features :

Whether in high or low temperatures, this integrated line for PUR hot melt adhesive exhibits excellent adhesion, good waterproofing and weather resistant bonding. Also, it uses much less solvent resulting in significantly less environmental damage.





PL-1212 功能 Functions

1. 可調式電眼定位
Adjustable photo sensor positioning.
2. 手工裁切
Cutting by hand with knife.



PL-1218 功能 Functions

1. 自動定位 Auto. positioning.
2. 自動裁切 Auto. cutting.
3. 數量設定 Amount setting.

蜂巢展開機

HONEY COMB PAPER EXPANDER

主要用於蜂巢紙拉伸展開烘乾，適用於蜂巢紙棧板、門板業、家具業及室內裝潢業等之蜂巢紙拉伸展開用。

此機種於蜂巢展開成型後在後段裁切可選擇電眼定位手動裁切，也可選擇自動定位，自動裁切兩種。

蜂巢展開之寬度可視所需大小做調整。

This machine is mainly used for drying honeycomb paper. It is suited for the production of honeycomb paper pallets, doors, furniture and interior decoration industries. The material can be automatically or manually positioned for cutting, and cut sizes are fully adjustable.

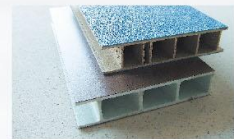


Model	Max. Thickness	Max. Width Working Piece	KW
PL-1212	80 mm	1,200 mm	15
PL-1218	80 mm	1,200 mm	30

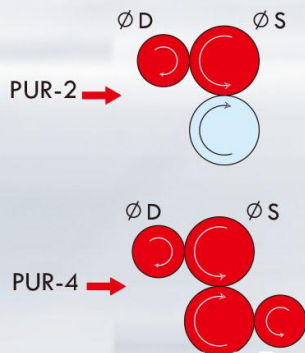


PUR 反應型熱熔膠佈膠機 PUR HOT MELTED GLUE SPREADER

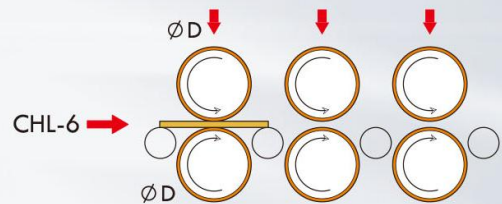
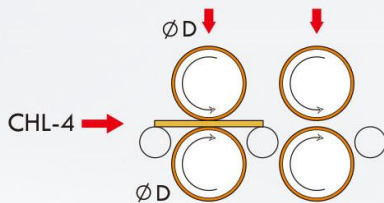
1. 獨立加熱大直徑上膠輪及調整輪。
2. 高頻率電熱式熱煤油加熱系統。
3. 控制面板採 PLC 人機介面整合系統。
4. 加熱系統附有計時器 (可選擇自動啟動以減少等待時間)。
5. 附有數位式顯示器，電動板材厚度調整器可快速自動調整板材厚度。
6. 速度調整採用電子調整附數位顯示器。
7. 透過手輪，配合位置顯示器精準的控制調整輪。
8. 升降式透明保護罩可有效監控上膠過程，頂部附排氣用出風孔。
9. PUR-2 只供應上面佈膠。PUR-4 供應上下兩面佈膠。



1. Equipped with an adjustable independent large diameter heated rubber roller.
2. High-frequency electric hot oil heating system.
3. HMI & PLC control system.
4. Heating system with timer (optional to set auto-start in order to reduce waiting time).
5. With digital display, the electronic thickness adjustment automatically adjusts quickly.
6. Speed adjusting is controlled by digital controller with digital display.
7. By hand wheel, accurately control adjusting roller with dial indicator.
8. Removable protective shield allows for effective monitoring of the processing, with exhaust port at the top.
9. PUR-2- is only for top surface lamination. PUR-4- is for dual surface lamination



Model		φ S	φ D	KW
PUR-2-700	600 mm	φ 240	φ 180	23
PUR-2-1400	1,300 mm	φ 240	φ 180	24
PUR-2-1600	1,500 mm	φ 240	φ 180	34
PUR-4-700	600 mm	φ 240	φ 180	24
PUR-4-1400	1,300 mm	φ 240	φ 180	34
PUR-4-1600	1,500 mm	φ 240	φ 180	34

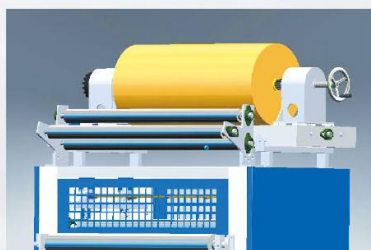
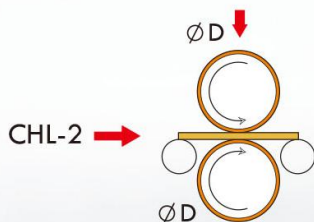


滾輪壓合機

ROLLER PRESS

1. 大直徑的加壓輪外部包覆適合橡膠。
2. 加壓採氣壓式加壓，壓力大小可於控制面板作調整。
3. 上滾輪採用電動調整升降並透過位置顯示器讀出高度。
4. 速度調整採用電子調整附數位顯示器。
5. 上加壓輪可獨立調整尺寸。
6. 控制面板已整合至機身。
7. 加壓輪開口最大 80 mm。
8. 單一馬達驅動 2 個或 4 個加壓滾輪。
9. 可選配電鍍加壓輪 (可選擇加熱)。
10. 可選配上部捲料展開設備，配合捲料 PVC 貼合。

1. The large diameter pressing roller is wrapped of suited rubber.
2. Pneumatic pressure can be adjusted on the control panel.
3. Upper roller is lifted by electric adjustment with dial display.
4. Speed Adjustment also through digital display.
5. Upper rollers can be adjusted dimension independently.
6. Control panel fully integrated with the machine.
7. Pressing roller opening over 80 mm.
8. A single motor drives 2 to 4 pressure rollers.
9. An optional electroplated pressing roller (with optional heating) is also available.
10. In order to adhere raw material with PVC roll, the upper rolled material unwinding device is available for option.



Model		ϕD	KW
CHL-2-700	600 mm	$\phi 200$	1
CHL-2-1400	1,300 mm	$\phi 200$	2
CHL-2-1600	1,500 mm	$\phi 250$	2
CHL-4-700	600 mm	$\phi 200$	2
CHL-4-1400	1,300 mm	$\phi 250$	2.5
CHL-4-1600	1,500 mm	$\phi 250$	2.5
CHL-6-700	600 mm	$\phi 250$	2.5
CHL-6-1400	1,300 mm	$\phi 250$	2.5
CHL-6-1600	1,500 mm	$\phi 250$	5

板材送料系統

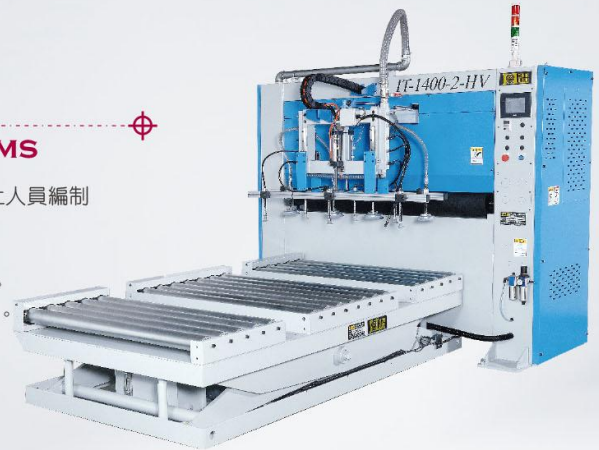
PANEL FEEDING SYSTEMS

板材送料系統主要功能為縮減生產線上人員編制及提高生產效能所設計。

1. 採真空、吸覆、移載、滾輪送料。
2. 配合滾輪輸送油壓升降台，上下移載。
3. 配置 PLC 人機介面整合機械連線作動。

This feeding system is designed to reduce production line staff and improve production efficiency

1. It employs a vacuum system and rollers to feed material.
2. Roller conveyors with hydraulic lifts move panels up and down.
3. A PLC human/machine interface provides control of all functions.



IT-1400 板材送料系統 Sheet Feeding System

Max. Feed Width of 1,250 mm
4HP Horsepower
Mechanical Dimensions:
(L)2,100 mm x (W)1,250 mm x (H)1,900 mm
Machine Weight: 1,100 kg

PHR 自動輸送滾輪升降台 PHR Auto. Feeding Rollers Lifter

Worktop:
1,200 mm x 2,400 mm / 1,200 mm x 3,000 mm
Roller sizes: min. 500 mm / max. 1,800 mm
3HP Horsepower
Mechanical Dimensions:
(L) 2,420 mm x (W) 1,300 mm x (H) 500 mm
Machine Weight: 1,200 g



板材雙面清塵機

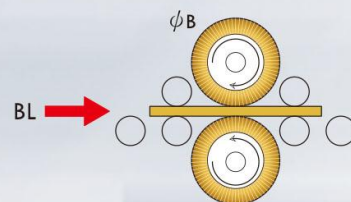
DOUBLE SIDE DUST CLEANER

清塵機主要功能是做板面清潔，主要是由機器上安裝上下各

- 1 支毛刷，利用反轉來做板材表面清潔。
1. 上下毛刷採植物纖維刷毛所組成。
2. 以手輪調整板材厚度，配合位置顯示器讀出高度。
3. 速度調整採用電子調整附數字顯示器。

The main function of this machine is to clean dust from board surfaces by roller brushes located above and below the workpiece.

1. Brush bristles are composed of vegetable fiber.
2. Hand wheel adjustment for sheet thickness, with a highly accurate read out display.
3. Speed adjusting is controlled by digital controller with digital display.



Model	ϕB	A	Feed Speed m/min	KW
BL-700	180	2X150	5-25	1.5
BL-1400	180	4X150	5-25	2
BL-1600	180	4X150	5-25	2.2

桶式溶膠機

HOT MELT MACHINE

機械特性：

- 專為溼氣反應型熱熔膠而設計，加熱盤鐵氟龍塗裝，可輕易將殘膠撥除，便於整理，同時提供一般熱熔膠專用罐狀加熱盤面供選擇。
- 利用加熱盤下壓置入膠筒中，只有筒內上層表面受熱，其他未受熱部份保持室溫狀態，配備高耐壓耐溫防漏環，氣密良好可確實隔絕濕氣，避免熱熔膠於筒內反應硬化。
- 配備 CPU 精密控溫系統，可作超溫警報及自動斷電保護，確保工作安全，精密控溫達 $\pm 1^{\circ}\text{C}$ ，防止熔膠碳化，延長設備壽命。
- 可調式膠筒容量警報裝置，可設定換筒預告及膠量用盡換筒警報之位置，便利操作人員及早準備換筒作業。
可選配膠量自動追蹤系統，當此機作為補膠用途時可視主機速度及用量自動調整出膠量。

Feature :

- Specially designed for PU reactive hot melt. Teflon coated heating pan for easily cleaning of retained hot melt. Heating pan with fins designed for common hot melt application is available too.
- When heating pan is lowered into the tank, only the upper part of barrel is heated. Other parts remain at room temperature. The applied packing ring can resist high pressure and heat, isolate moisture air, and prevent PU adhesive reacting in the barrel.
- The precise temperature control system adopts CPU, which gives alarm when over heating and switch off heater automatically. The precision reaches $\pm 1^{\circ}\text{C}$. This can reduce chars inside drum and makes the machine more durable.
- Hot melt level detector is installed. Level is adjustable. When hot melt is nearly used up, an alarm will notify the operator to change another drum of hot melt promptly.
- Speed-Glue tracing system is optional. When this machine works as a glue supplier (a melter) only, flow-rate can be regulated automatically depending on the consumption of glue of the main machine (coater or sprayer).



Model	Tank Capacity	Tank Diameter	Max Output	Max Temperature	Warmer and Spray Gun	Power Requirement	Dimensions	Weight
HS-55	55 gal.	$\phi 570$ mm	1,300 g/min	220 $^{\circ}\text{C}$	1~2 SET	14.5 KW	1,600 x 750 x 1,630 mm	600 KG
HS-05	5 gal.	$\phi 280$ mm $\phi 286$ mm	850 g/min	220 $^{\circ}\text{C}$	1~2 SET	6 KW	1,330 x 500 x 1,320 mm	390 KG

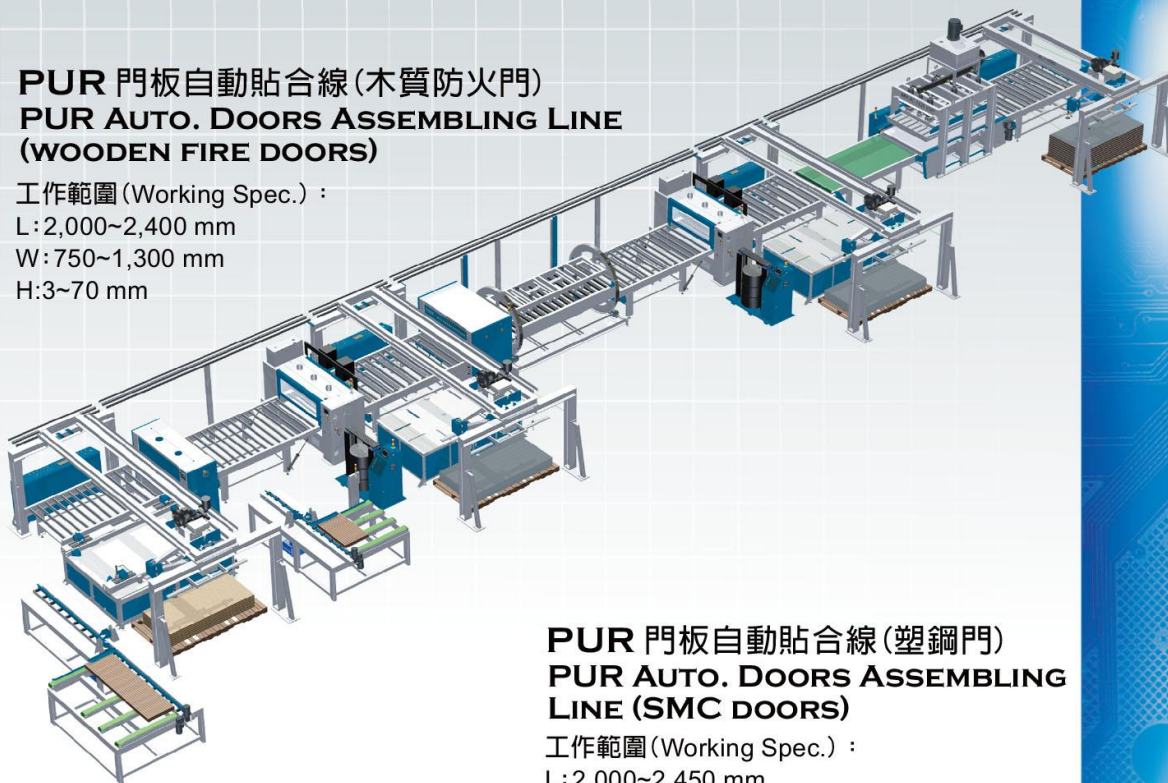
PUR 門板自動貼合線(木質防火門)
PUR AUTO. DOORS ASSEMBLING LINE
(WOODEN FIRE DOORS)

工作範圍(Working Spec.) :

L: 2,000~2,400 mm

W: 750~1,300 mm

H: 3~70 mm



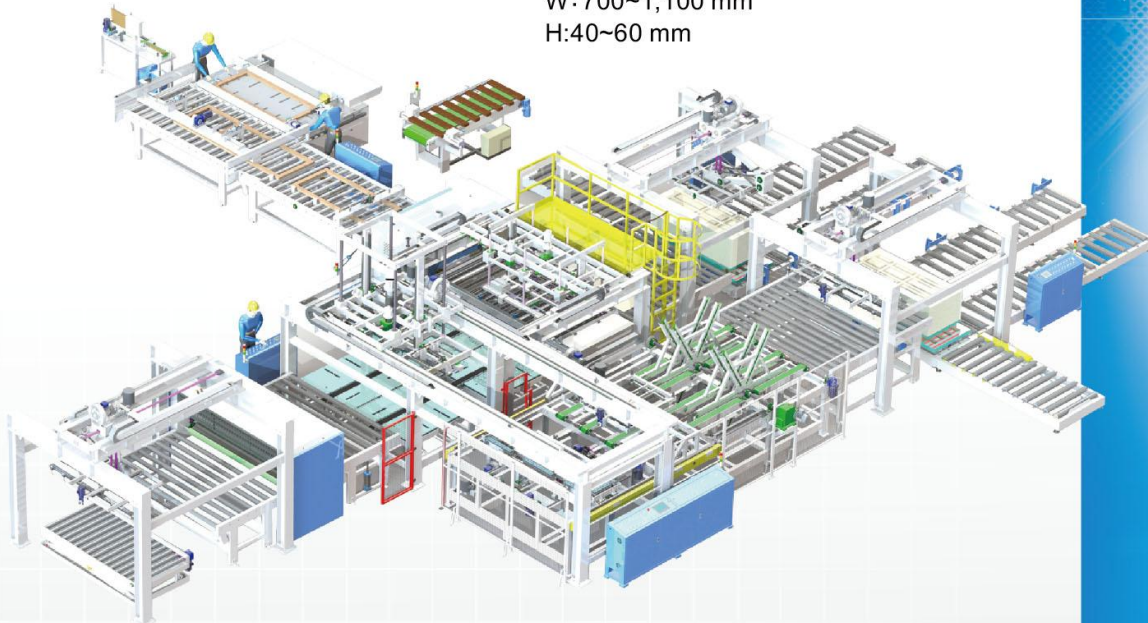
PUR 門板自動貼合線(塑鋼門)
PUR AUTO. DOORS ASSEMBLING
LINE (SMC DOORS)

工作範圍(Working Spec.) :

L: 2,000~2,450 mm

W: 700~1,100 mm

H: 40~60 mm



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