

TF-1012 Thermoforming Machine

The heating furnace of the TF – 1012 model uses a PID temperature control module, ensuring excellent molding quality with an easy-to-use smart human-machine interface. The absolute value servo motor control allows for fast positioning and a stable machine body. The multifunctional power quality analyzer supports energy management, achieving low-carbon energy savings.

TF-1012 Specification

Forming Area (mm)	Max.1000*1200
Film Thickness (mm)	0.2-1.8
Film Width (mm)	Max.1180 Min.680
Mold Height (mm)	200-400 (upper mold plus bottom mold)
Clamping Force (ton)	90
Molding Type	Pressure Forming and Vacuum Forming
Operation System	Automatic human-machine touch screen interface, Supports external memory cards for unlimited storage expansion of recipe modules.
Machine Dimension (mm)	W11020 D2870 H2880
Machine Weight (ton)	20
Power (HP)	60
Heater (KW)	325

PH-1042 Punching Machine

This machine is designed for punching processing of packaging materials that require a cold chain. It uses a servo motor combined with a gearbox to drive linear rails and an eccentric wheel for punching operations. The upper and lower mold beds are flat with minimal tolerance, ensuring precise punching when paired with punching molds, resulting in smooth cuts with no debris.

PH-1042 Specification

Max. CuttingDimension (mm)	1000*400
Max. Product Height(mm)	200
Max. Cutting Speed(spm)	145
Capacity(ton)	10
Machine Weight(KG)	5200
Machine Dimension(mm)	W2950*D2810*H2750

Suitable Materials

PS	PET	ABS	PVC
PP	HIPS	OPS	

· Material Transfer System

It can automatically load materials, and the lifting mechanism allows for quick and effortless loading, completing the process in under 2 minutes.

· Human-Machine Interface System

The product parameters are digitized and can be saved. An MES system can be added for easier management and application.

· Tunnel-Type Heating Oven

The top and bottom heating furnaces can be independently adjusted by zone, allowing for localized temperature control and high flexibility. The three-stage heating system uses water circulation to isolate the heat source, ensuring more even molding for special materials

SC-1042 Shape Cutting Machine

The SC - 1042 is designed for processing finished product shapes. The structure is welded from steel plates and heat-treated to minimize deformation. The upper and lower mold beds are flat with minimal tolerance, working in conjunction with a servo motor and gearbox to drive the linear rails, ensuring smooth operation. It uses special steel cutters for precise cutting, resulting in clean cuts with no debris.

SC-1042 Specification

Max. CuttingDimension (mm)	1000*400
Max. Product Height(mm)	200
Max. Cutting Speed(spm)	145
Capacity(ton)	10
Machine Weight(KG)	6500
Machine Dimension(mm)	W3850*D2810*H2800

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SCPT Machinery Co., Ltd

TF-1012+PH-1042+SC-1042

全自動壓空成型生產線

Automatic Thermoforming Production Line

產線一
Option 1

壓空成型TF-1012
Thermoforming TF-1012

沖孔機 PH-1042
Punching PH-1042

外型裁切機 SC-1042
Shape Cutting SC-1042

堆疊收料
Automatic Stacking

產線二
Option 1

壓空成型TF-1012
Thermoforming TF-1012

外型裁切機 SC-1042
Shape Cutting SC-1042

堆疊收料
Automatic Stacking

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TF-1012

PH-1042

SC-1042



TF-1012 壓空成型機

加熱爐採用PID溫控模組，成型質量佳，智慧化人機介面操作容易。絕對值伺服電機控制，定位快速、機身不晃動。多功能電力品質分析表支援能源管理，達到低碳節能。

機械規格：

加工成型面積(mm)	最大1000x1200		
皮料厚度(mm)	0.2-1.8		
皮料寬度(mm)	最大1180 最小680		
模具高度(mm)	200-400(上模+下模)		
鎖模力量(噸)	90		
成型方式	壓空及真空成型		
操作方式	全自動人機螢幕操作介面。可外接記憶卡，無限擴充儲存配方模組。		
機械尺寸 (mm)	W11020	D2870	H2880
機械重量 (噸)	20		
動力(HP)	60		
電熱(KW)	325		

適用於材料：

PS	PET	ABS	PVC
PP	HIPS	OPS	

· 原料傳送系統

可自動上料，舉升機構省力快速，2分鐘內完成上料。

· 人機介面系統

產品參數數值化並可儲存，可加設MES系統，便於管理應用。

· 隧道式加熱爐

採用上、下加熱爐可分區獨立調整，可做局部調溫，靈活性高。
三段式加熱，水循環隔絕熱源，針對特殊材料，成型更平整無波紋。

PH - 1042 沖孔機

提供有冷鏈需求的包裝材料進行沖孔加工。本機採用伺服馬達配合減速機驅動線性滑軌、偏心輪執行沖孔作業。上下模具床台平整公差小，配合沖孔模具精準沖孔，切口滑順無碎屑。

機器規格：

最大沖切尺寸(mm)	1000x400
最大沖切高度(mm)	200
最大沖孔速度(spm)	145
沖孔力量(ton)	10
機械重量(KG)	5200
機械尺寸(mm)	W2950*D2810*H2750

SC - 1042 外型裁切機

用於成品外型裁切。本機機構鋼板焊製，經回火處理，變形量少。上下模具床台平整公差小，配合伺服馬達及減速機驅動線性滑軌，動作順暢。使用特殊鋼刀具作精準裁切，切口無碎屑。

機器規格：

最大裁斷尺寸(mm)	1000x400
最大裁斷高度(mm)	200
最大裁斷速度(spm)	145
裁斷力量(ton)	10
機械重量(KG)	6500
機械尺寸(mm)	W3850*D2810*H2800