

貼霸[®]真空吸板 Suntaba Vaccum Pallets

Suntaba Vaccum Pallets composed of Suntaba[®] and Stononlead[®], uses the vacuum suction principle to replace the traditional taping methods. Make the thin board to fix and remove easily.

[Electrostatic Vacuum]



[Vacuum State]

- High service life : Can be reused over 1,500 times. (The service life depending on the use method and environment.)
- · High production yield : Can prevent thin board from deforming during production.
- \cdot Customized design \div Can be design FPC layout. (precision cutting ±0.1 mm)
- · Automatic production : Can be quickly positioned and detached, reducing labor costs.
- $^{\circ}$ Cost-saving : Suntaba $^{\mbox{\tiny B}}$ can be replaced so carriers can be reused.
- The adsorption and non-adsorption area can be designed on the same in Suntaba[®].
- After design, the adsorption area and adsorption strength of the Suntaba[®] can be determined and adjusted.

Received ISO Certification



Complies With SGS RoHS Environmental Testing

SGS 2012 2013 2014 2014 2014 2014 2014 2014 2014 2014	
TO	T2

• Thin board assembly • Fan out : wafer

Glass : Mini LED BL PET : Mini LED Substrate PI FPC BT

- Fan out : wafer (exposure/developing/ etching/cleaning)
- Auto glass printing
- PCB SMT for automatio







Our team combined silicone with high-temperature materials to develop an environmentally friendly material Suntaba[®]" that can be pasted more than a thousand times. Can fix thin board and remove them without damaging its. Improved production yield, move towards automatic production. Suntaba[®] can customize the design according to different products and process applications, and determine the adsorption area and adsorption strength by itself.



Original : Full glossy surface, the adsorption strength. Round hole design : Used with ejection jig. Polka dot design : Can effectively reduce the adsorption force in the target area.

Striped design : Can effectively reduce the adsorption force in the target area.

Irregular design : For complex and irregular substrates. Snake-scale design : Can regulate the thermal expansion when exposed to heat.



	貼暈	扇® S	SUNTABA					
	T0		T2	TO F	PLUS	T2 PLUS		
顏色 Color	黑色 black		黑色 b l ack	灰色	gray	綠色 green		
RoHS · PFOS			符合 Con	formance				
溫度 Heat Resistance	250℃ \ 10~20 s							
厚度 Thickness (mm)	0.5 ± 0.1	().5 +0.05/-0	0.5 ±	. 0.05	0.5 ± 0.05		
可提供尺寸 Size (mm)	340 x 290)	360 x 410	360	x 410	360 x 410		
抗靜電值 Surface Resistance (Ω)	10 ¹²		$10^4 \sim 10^7$	10 ⁴	~107	$10^4 \sim 10^7$		
靜電壓值 Static Electricity (kv)	0.02		0.06	0.	06	0.06		
初始力 (鋼球編號) Initial force (steel ball number)	8		7		8	7		
熱傳導性 Thermal conductivity	0.6 w/mk							
抗化學腐蝕性 Chemical Resistance	Very Good							
使用次數 Lifetime	超過2000灾以上(依據不同的使用方法與環境 · 使用壽命也不同) Over 2,000 times (the duration of service life varies depending on the application method and environment)							
酒精擦拭 Alcohol wipe	不影響貼霸 [®] 黏度(來回50次以上) Not affect (Return over 50 times)							
	貼霸 [®] 頂出PET膜(厚度0.07mm)所需力量 · 黑色為吸附區。 The force required for SUNTABA to eject the PET film (thickness 0.07mm). The area in black(A) is the adsorption area. SUNTABA T0							
	А	1.5 mm	2 mm	3 mm	4 mm			
	Average (g) 35 50 65 95							
頂出力量 Ejecting force	Δ	1.5mm	2mm	3mm	4mm			
	Average (g)	25	35	50	60			
	貼霸 [®] 頂出玻璃 (厚度1.1mm)所需力量・黑色為吸附區。 The force required by SUNTABA T2 to eject the glass (thickness 1.1mm). The area in black(B) is the adsorption area. SUNTABA T2 B 4.7 mm 3 mm Average (g) 715 635							
結構圖層 Structure layer				── PET 保 ── 矽膠 S └── 石無銷	護膜 ilicone Stononlea	d®		

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(sunnyprocess)



(@sbq4128m)



(程陽-材料科技應用)



貼霸[®]真空吸板 Suntaba Vaccum Pallets

由貼霸®與石無鉛®載具組合成,利用真空吸附原理,可取代傳統貼膠帶方式,讓薄型基材

上板固定方便、取板輕鬆便利。



〔產生真空狀態〕

- ·使用壽命高:可重覆黏貼達1,500次(依不同的使用方法與環境而有不同)。
- ·生產良率高:生產時能防止薄型基材變形。
- ·客製化設計:可針對FPC layout設計(精密切割±0.1mm)。
- · 自動化生產:可快速進行定位、解離,減少耗工。
- ·解省成本:可更換貼霸^{®,}載具重複使用。
- ·同片貼霸[®]上可設計吸附區(亮面)與非吸附區(霧面)。
- ·貼霸[®]經過設計後,可決定吸附面積及吸附強度。



通過ISO兩項驗證



符合SGS RoHS環保檢測

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貼霸T0	貼霸T2

· 薄型基材--組裝製成應用 Glass:mini LED背光板 PET:mini LED Substrate PI、FPC



· 汽車玻璃印刷

貼霸®真空吸板應用領域

· PCB SMT產線自動化





程陽研發團隊將矽膠與高溫材料結合, 開發出可以重複黏貼的環保材料一「貼霸[®]」 可固定薄型基材、提高生產良率、解決產線 耗工問題、朝自動化生產的可能性前進。 貼霸[®]可依照各種產品和製程應用客製化設計, 並自行決定吸附面積及吸附強度。

- · 原始貼霸: 全亮面、吸附力大。
- · 圓孔設計:搭配頂出治具使用。
- ·圓點設計:可減少區域內的吸附力。
- ·條紋設計:可減少區域內的吸附力。
- ·不規則設計:針對複雜不規則的基板。
- ・蛇鱗紋設計:能調解遇熱膨脹現象。







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(sunnyprocess)



(@sbq4128m)



(程陽-材料科技應用)



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	SUNTABA TO		4 mm						
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