



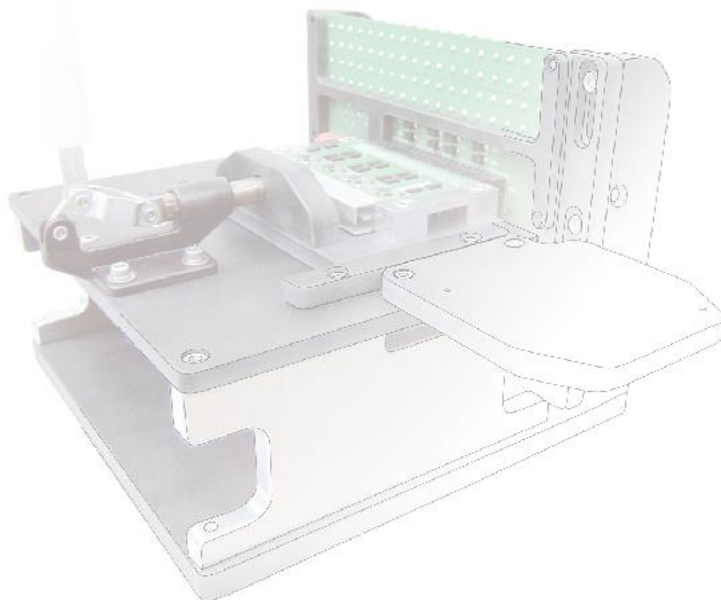
程陽有限公司

Sunny Process Co.,Ltd.



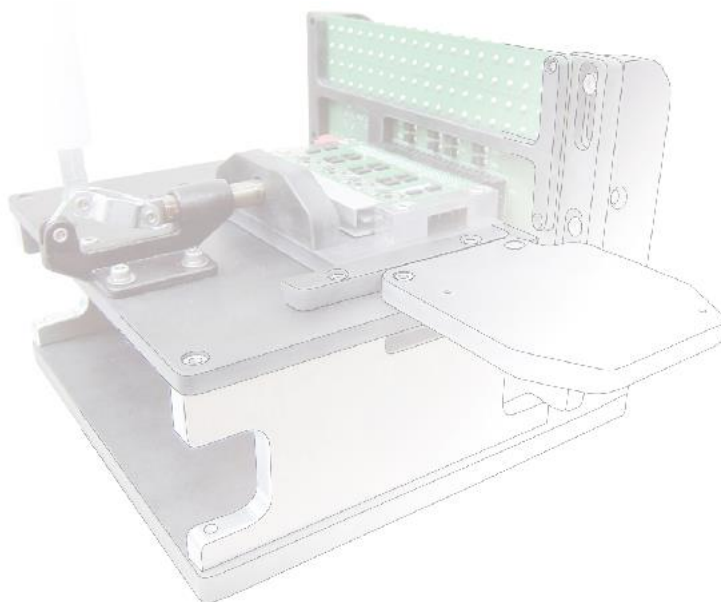
About Sunny Process

Sunny Process Co., Ltd. was incorporated as the successor of Jian Yen Precision Factory, the original precursor. With the professionalism and experiences inherited over the past 50 more years, we specialize in the design and manufacture of custom-made precision parts and molds. For satisfy own processing needs and various demands of customers, we started the research and sales of high temperature resistant composite materials and consumptive materials since 2003. In the meantime, we also provide the engineering materials required by all types of production lines for the electronic industry.



About Sunny Process

In running business, we focus on providing the integrated professional services by combining the materials, design and processing sectors in order to satisfy the engineering demands of electronic industry. We satisfy the customer demands through the services being offered. In addition, We also cooperate with different industry elites in providing practical solutions and products for customers and in pursuing a sustainable business.



Background

- 1965 - Jian Yen Tooling Factory built by founded Lai JianYung is engaged in sewing, designing and manufacturing automotive internal precision components.
- 1997 - Transformed Jian Yen Precision Factory to Jie Ying Precision Co., Ltd., starting with the design and manufacturing of PCB carriers, labor-saving equipment for electronic industry, and invested in the materials research and development.
- 2003 - **Sunny Process Co., Ltd.** was incorporated by Mr. LAI, Kuang-Rue in providing the design and solutions related to the consumptive materials, production equipment and custom-made mechanism for high temperature resistant engineering materials.
- 2006 - Stononlead[®] brand was officially registered for Sunny Process Co., Ltd. and then it has becomes a superior material used in the high-temperature electronic production process.

Background

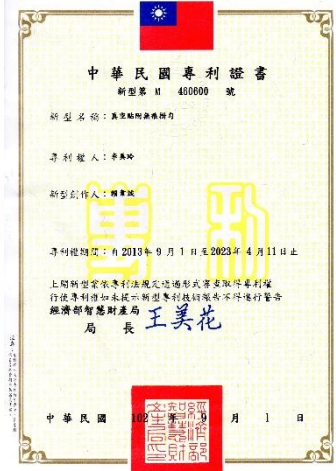
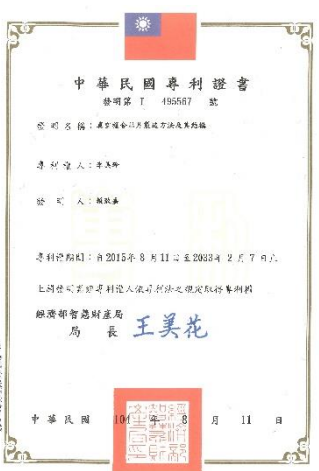
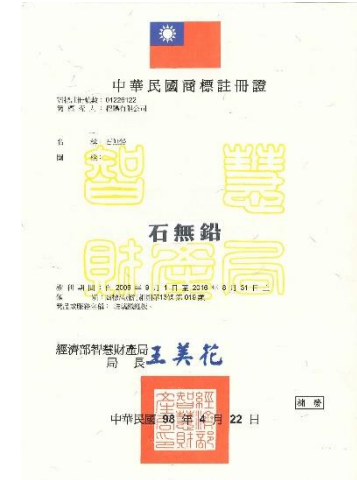
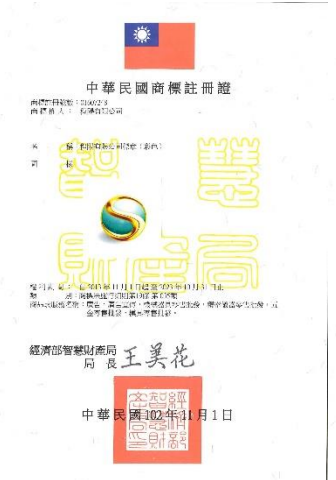
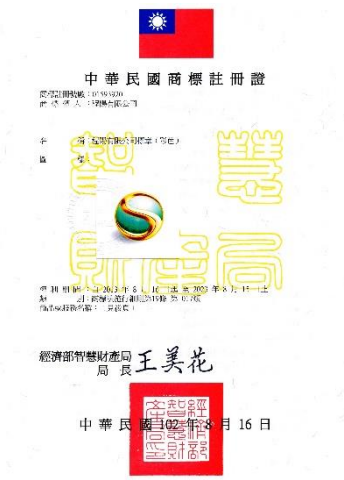
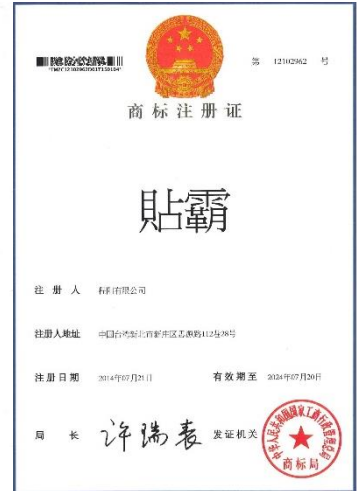
- 2010 - Developed the SUNTABA is an eco-friendly material that can resist against 280°C temperature and can be repeatedly used; thus, saving lots of consumptive materials, working hours and labors in the mounting/ fixing/positioning links of electronic process.
- 2012 - Changed the unprintable inertia of silicone rubber, successfully developed Colorful SUNTABA.
- 2014 - Colorful SUNTABA was firstly tested in product fabrication to provide the optimal solutions for the daily “sticking, patching, suspending, hanging” needs of social public.
- 2015 - Incorporated JJusett Technologies Co., Ltd. and the private brand of JJusett® was developed, using SUNTABA as the technical core. Since then, we launched a series of products such as mobile devices (including those for automobiles), daily applications, commercial applications, etc.

Background

- 2017 - Launched the TieBAR® Carrier for automation application.
- 2018 - Online quotations for anti-static Stononlead®, glass-fiber FR4, bakelite, etc.
- 2019 - Automated TieBAR® Carrier achieved.
- 2020 - Sunny Process participated in the Taiwan Innotech Expo and won the Platinum Award, the highest honor in the invention competition, for the " TieBAR® Carrier ".
- 2021 - The Sunny Process R&D team combined vacuum lamination, printing carriers, magnetic vacuum, and Snake Scale technology to develop the "Suntaba Vaccum Plate" after years of intensive development.
- 2022 - Sunny process passed the ISO 9001 and ISO 14001 certification.



Trademark & Patent



ISO 9001 & ISO 14001

ISO 14001



ISO 9001

Environmental testing

- Test Agency : SGS Taiwan Ltd.
- Test Items : RoHS 10items, PFOS, PFOA and halogen.
- Test Product : Stononlead® 抗靜電石無鉛®



SGS

測試報告
Test Report

號碼(No.): ETR21901549 日期(Date): 11-Sep-2021 頁數(Page): 1 of 10
程陽有限公司 (SUNNY PROCESS CO., LTD.)
新北市新莊區廣興路三段109號 (NO. 109, SEC. 3, FUXING RD., XINZHUANG DIST., NEW TAIPEI CITY 24251, TAIWAN (R.O.C.))

以下測試樣品係由申請廠商所提供及確認 (The following sample(s) were submitted and identified by/on behalf of the applicant as):
送樣廠商(Sample Submitted By) : 程陽有限公司 (SUNNY PROCESS CO., LTD.)
樣品名稱(Sample Name) : STONONLEAD® (石無鉛®)

收件日(Sample Receiving Date) : 06-Sep-2021
測試期間(Testing Period) : 06-Sep-2021 to 11-Sep-2021

測試需求(Test Requested) : (1) 依據客戶指定, 參考RoHS 2011/65/EU Annex II及其修訂指令(EU) 2015/863測試鎘、鉛、汞、六價鉻、多溴聯苯、多溴聯苯醚、DBP、BBP、DEHP、DIBP。(As specified by client, with reference to RoHS 2011/65/EU Annex II and amending Directive (EU) 2015/863 to determine Cadmium, Lead, Mercury, Cr(VI), PBBs, PBDEs, DBP, BBP, DEHP, DIBP contents in the submitted sample(s).)
(2) 其他測試項目請見下一頁。(Please refer to next pages for the other item(s).)

測試結果(Test Results) : 請參閱下一頁 (Please refer to following pages.)
結論(Conclusion) : (1) 根據客戶所提供的樣品, 其鎘、鉛、汞、六價鉻、多溴聯苯、多溴聯苯醚、DBP、BBP、DEHP、DIBP的測試結果符合RoHS 2011/65/EU Annex II暨其修訂指令(EU) 2015/863之限值要求。(Based on the performed tests on submitted sample(s), the test results of Cadmium, Lead, Mercury, Cr(VI), PBBs, PBDEs, DBP, BBP, DEHP, DIBP comply with the limits as set by RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.)

Troy Chang Manager
Signed for and on behalf of
SGS TAIWAN LTD.
Chemical Laboratory - Taipei

SGS Taiwan Ltd. 台灣檢驗科技股份有限公司
新北市新莊區新泰路五號七樓 25 樓 +886(0)22366 9030 +886(0)22366 9237
25, Wu Chyuan 7th Road, New Taipei Industrial Park, Wu Ku District, New Taipei City, Taiwan
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(The tested sample / part is marked by an arrow if it's shown on the photo.)

ETR21901549



** 報告結尾 (End of Report) **

Troy Chang Manager
Signed for and on behalf of
SGS TAIWAN LTD.
Chemical Laboratory - Taipei

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新北市新莊區新泰路五號七樓 25 樓 +886(0)22366 9030 +886(0)22366 9237
25, Wu Chyuan 7th Road, New Taipei Industrial Park, Wu Ku District, New Taipei City, Taiwan
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Environmental testing

- Test Agency : SGS Taiwan Ltd.
- Test Items : RoHS 10items, PFOS, PFOA and halogen.
- Test Product : THERMOBSTRUCTOR 鍛熱霸

SGS

測試報告
Test Report

樣稿(No.): ETR21901548 日期(Date): 11-Sep-2021 頁數(Page): 1 of 10
程陽有限公司 (SUNNY PROCESS CO., LTD.)
新北市新莊區復興路三段109號 (NO. 109, SEC. 3, FUXING RD., XINZHUANG DIST., NEW TAIPEI CITY 24251, TAIWAN (R.O.C.))

以下測試樣品係由申請廠商所提供及確認 (The following sample(s) was/were submitted and identified by/on behalf of the applicant as):

送樣廠商(Sample Submitted By) : 程陽有限公司 (SUNNY PROCESS CO., LTD.)
樣品名稱(Sample Name) : THERMOBSTRUCTOR (鍛熱霸™)
樣品品號(Style/Item No.) : SP-LN

收件日(Sample Receiving Date) : 06-Sep-2021
測試期間(Testing Period) : 06-Sep-2021 to 11-Sep-2021

測試需求(Test Requested) : (1) 依據客戶指定, 參考RoHS 2011/65/EU Annex II及其修訂指令(EU) 2015/863測試鎘、鉛、汞、六價鉻、多溴聯苯、多溴聯苯醚、DBP、BBP、DEHP、DIBP。(As specified by client, with reference to RoHS 2011/65/EU Annex II and amending Directive (EU) 2015/863 to determine Cadmium, Lead, Mercury, Cr(VI), PBBs, PBDEs, DBP, BBP, DEHP, DIBP contents in the submitted sample(s).)
(2) 其他測試項目請參閱下一頁。(Please refer to next pages for the other item(s).)

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SGS Taiwan Ltd. 台灣檢驗科技股份有限公司
新北市五股區新北大業路五樓七號 25 號 +886(0)22390 3030 +886(0)2239 3237
25, Wu Chyuan 7th Road, New Taipei Industrial Park, Wu Ku District, New Taipei City, Taiwan
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測試報告
Test Report

樣稿(No.): ETR21901548 日期(Date): 11-Sep-2021 頁數(Page): 10 of 10
程陽有限公司 (SUNNY PROCESS CO., LTD.)
新北市新莊區復興路三段109號 (NO. 109, SEC. 3, FUXING RD., XINZHUANG DIST., NEW TAIPEI CITY 24251, TAIWAN (R.O.C.))

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25, Wu Chyuan 7th Road, New Taipei Industrial Park, Wu Ku District, New Taipei City, Taiwan
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SGS報告 - SP-LN 鍛熱霸

Environmental testing

- Test Agency : SGS Taiwan Ltd.
- Test Items : RoHS 10items, PFOS, PFOA and halogen.
- Test Product : SUNTABA貼霸® T0



測試報告
Test Report

號碼(No.): ETR21901550 日期(Date): 11-Sep-2021 頁數(Page): 1 of 10
 程陽有限公司 (SUNNY PROCESS CO., LTD.)
 新北市新莊區復興路三段109號 (NO. 109, SEC. 3, FUXING RD., XINZHUANG DIST., NEW TAIPEI CITY 24251, TAIWAN (R.O.C.))

以下測試樣品係由申請廠商所提供及確認 (The following sample(s) were submitted and identified by/on behalf of the applicant as):
 送樣廠商(Sample Submitted By) : 程陽有限公司 (SUNNY PROCESS CO., LTD.)
 樣品名稱(Sample Name) : 貼霸®
 樣品型號(Style/Item No.) : T0

收件日(Sample Receiving Date) : 06-Sep-2021
 測試期間(Testing Period) : 06-Sep-2021 to 11-Sep-2021

測試需求(Test Requested) : (1) 依據客戶指定，參考RoHS 2011/65/EU Annex II及其修訂指令(EU) 2015/863測試鎘、鉛、汞、六價鉻、多溴聯苯、多溴聯苯醚、DBP、BBP、DEHP、DIBP。(As specified by client, with reference to RoHS 2011/65/EU Annex II and amending Directive (EU) 2015/863 to determine Cadmium, Lead, Mercury, Cr(VI), PBBs, PBDEs, DBP, BBP, DEHP, DIBP contents in the submitted sample(s).)
 (2) 其他測試項目請見下一頁。(Please refer to next pages for the other item(s).)

測試結果(Test Results) : 請參閱下一頁 (Please refer to following pages.)
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 Troy Chang Manager
 Signed for and on behalf of
 SGS TAIWAN LTD.
 Chemical Laboratory - Taipei


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SGS Taiwan Ltd. 台灣檢驗科技股份有限公司 新北市五股區新立產業園區五樓七樓 25 號 +886(0)2206 9000 H-886(0)2209 3237
 25, Wu Chyuan 7th Road, New Taipei Industrial Park, Wu Ku District, New Taipei City, Taiwan



測試報告
Test Report

號碼(No.): ETR21901550 日期(Date): 11-Sep-2021 頁數(Page): 10 of 10
 程陽有限公司 (SUNNY PROCESS CO., LTD.)
 新北市新莊區復興路三段109號 (NO. 109, SEC. 3, FUXING RD., XINZHUANG DIST., NEW TAIPEI CITY 24251, TAIWAN (R.O.C.))

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ETR21901550



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** 報告結尾 (End of Report) **

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 25, Wu Chyuan 7th Road, New Taipei Industrial Park, Wu Ku District, New Taipei City, Taiwan

測試結果(Test Results) : 請參閱下一頁 (Please refer to following pages.)
 結論(Conclusion) : (1) 根據客戶所提供的樣品，其鎘、鉛、汞、六價鉻、多溴聯苯、多溴聯苯醚、DBP、BBP、DEHP、DIBP的測試結果符合RoHS 2011/65/EU Annex II暨其修訂指令(EU) 2015/863之限值要求。(Based on the performed tests on submitted sample(s), the test results of Cadmium, Lead, Mercury, Cr(VI), PBBs, PBDEs, DBP, BBP, DEHP, DIBP comply with the limits as set by RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.)

Environmental testing

- Test Agency : SGS Taiwan Ltd.
- Test Items : RoHS 10items, PFOS, PFOA and halogen.
- Test Product : SUNTABA貼霸® T2



測試報告
Test Report 號碼(No.): ETR21901551 日期(Date): 11-Sep-2021 頁數(Page): 1 of 10
 程陽有限公司 (SUNNY PROCESS CO., LTD.)
 新北市新莊區復興路三段109號 (NO. 109, SEC. 3, FUXING RD, XINZHUANG DIST, NEW TAIPEI CITY 24251, TAIWAN (R.O.C.))

以下測試樣品係由申請廠商所提供及確認 (The following sample(s) was/were submitted and identified by/on behalf of the applicant as):
 送樣廠商(Sample Submitted By) : 程陽有限公司 (SUNNY PROCESS CO., LTD.)
 樣品名稱(Sample Name) : 貼霸®
 樣品型號(Style/Item No.) : T2

收件日(Sample Receiving Date) : 06-Sep-2021
 測試期間(Testing Period) : 06-Sep-2021 to 11-Sep-2021

測試需求(Test Requested) : (1) 依據客戶指定, 參考RoHS 2011/65/EU Annex II及其修訂指令(EU) 2015/863測試銅、鉛、汞、六價鉻、多溴聯苯、多溴聯苯醚、DBP、BBP、DEHP、DIBP。(As specified by client, with reference to RoHS 2011/65/EU Annex II and amending Directive (EU) 2015/863 to determine Cadmium, Lead, Mercury, Cr(VI), PBBs, PBDEs, DBP, BBP, DEHP, DIBP contents in the submitted sample(s))
 (2) 其餘測試項目請參閱下一頁。(Please refer to next pages for the other item(s).)

測試結果(Test Results) : 請參閱下一頁 (Please refer to following pages.)
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 Troy Chang, Manager
 Signed for and on behalf of
 SGS TAIWAN LTD.
 Chemical Laboratory - Taipei


 PIN CODE: DC694C13

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程陽有限公司 臺灣檢驗科技股份有限公司
 25, Wu Chyuan 7th Road, New Taipei Industrial Park, Wu Ku District, New Taipei City, Taiwan
 +886(0)2299 3039 +886(0)2299 3037
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測試報告
Test Report 號碼(No.): ETR21901551 日期(Date): 11-Sep-2021 頁數(Page): 10 of 10
 程陽有限公司 (SUNNY PROCESS CO., LTD.)
 新北市新莊區復興路三段109號 (NO. 109, SEC. 3, FUXING RD, XINZHUANG DIST, NEW TAIPEI CITY 24251, TAIWAN (R.O.C.))

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測試結果(Test Results) : 請參閱下一頁 (Please refer to following pages.)
結論(Conclusion) : (1) 根據客戶所提供的樣品, 其銅、鉛、汞、六價鉻、多溴聯苯、多溴聯苯醚、DBP、BBP、DEHP、DIBP的測試結果符合RoHS 2011/65/EU Annex II暨其修訂指令(EU) 2015/863之限值要求。(Based on the performed tests on submitted sample(s), the test results of Cadmium, Lead, Mercury, Cr(VI), PBBs, PBDEs, DBP, BBP, DEHP, DIBP comply with the limits as set by RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.)

Environmental testing

- Test Agency : SGS Taiwan Ltd.
- Test Items : RoHS 10items, PFOS, PFOA and halogen.
- Test Product : HTR-D280耐熱白膠帶



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以下測試樣品係由申請廠商所提供及確認 (The following sample(s) was/were submitted and identified by/on behalf of the applicant as):
 送樣廠商(Sample Submitted By) : 程陽有限公司 (SUNNY PROCESS CO., LTD.)
 樣品名稱(Sample Name) : HTR DOUBLE SIDED TAPE (WHITE) (耐熱雙面白膠帶)
 樣品型號(Style/Item No.) : HTR-D280

收件日(Sample Receiving Date) : 06-Sep-2021
 測試期間(Testing Period) : 06-Sep-2021 to 11-Sep-2021

測試需求(Test Requested) : (1) 依據客戶指定，參考RoHS 2011/65/EU Annex II及其修訂指令(EU) 2015/863測試鎘、鉛、汞、六價鉻、多溴聯苯、多溴聯苯醚、DBP、BBP、DEHP、DIBP。(As specified by client, with reference to RoHS 2011/65/EU Annex II and amending Directive (EU) 2015/863 to determine Cadmium, Lead, Mercury, Cr(VI), PBBs, PBDEs, DBP, BBP, DEHP, DIBP contents in the submitted sample(s))
 (2) 其餘測試項目請參閱下一頁。(Please refer to next pages for the other item(s).)

測試結果(Test Results) : 請參閱下一頁 (Please refer to following pages.)

結論(Conclusion) : (1) 根據客戶所提供的樣品，其鎘、鉛、汞、六價鉻、多溴聯苯、多溴聯苯醚、DBP、BBP、DEHP、DIBP的測試結果符合RoHS 2011/65/EU Annex II暨其修訂指令(EU) 2015/863之限值要求。(Based on the performed tests on selected part of submitted sample(s), the test results of Cadmium, Lead, Mercury, Cr(VI), PBBs, PBDEs, DBP, BBP, DEHP, DIBP comply with the limits as set by RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.)




Troy Chang, Manager
 Signed for and on behalf of
 SGS TAIWAN LTD.
 Chemical Laboratory - Taipei




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SGS Taiwan Ltd. 台灣檢驗科技股份有限公司 新北市五股區新立產業園區五權七路 25 號 +886(02)2299 3039 +886(02)2299 3237
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SGS報告 – HTR-D280耐熱白膠帶

產品介紹
Product Introduction





STONONLEAD®

Stononlead® is the brand registered by Sunny Process in 2006. Because of its high temperature resistance and longer service life characteristics, mainly applied in the electronic assembly high temperature electronic process and equipment heat-insulation engineering.



STONONLEAD®

It complies with environmental standard of RoHS, PFOA, PFOS, and halogen-free as well.

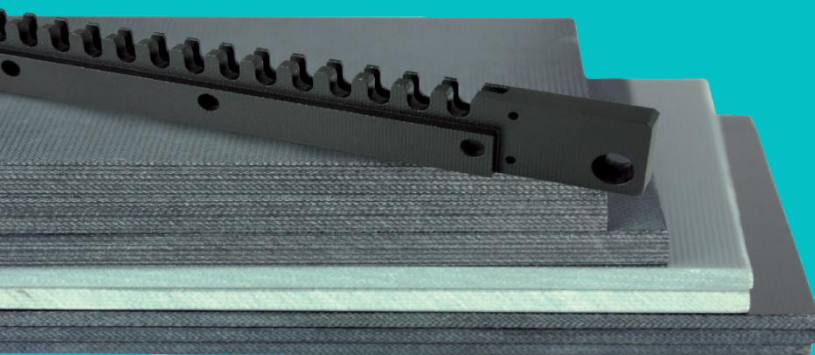
Stononlead® can partially replace the use of synthetic stone and PEEK, and it is a high-efficiency material of high value added and reduce the cost of materials, expand the level of application and improve the manufacturing efficiency for users.

STONONLEAD®

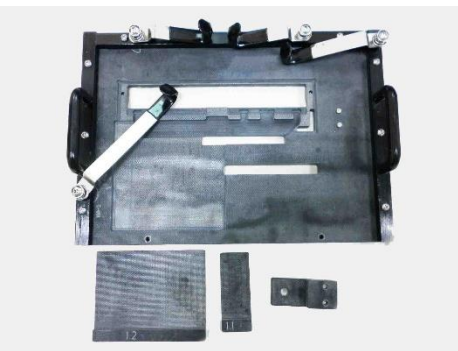
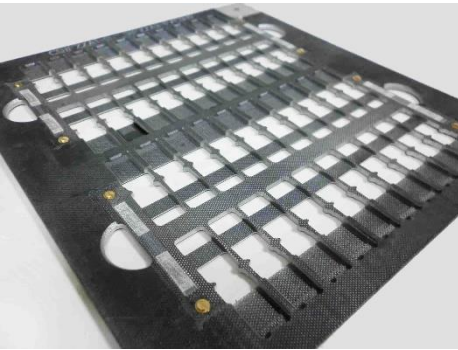
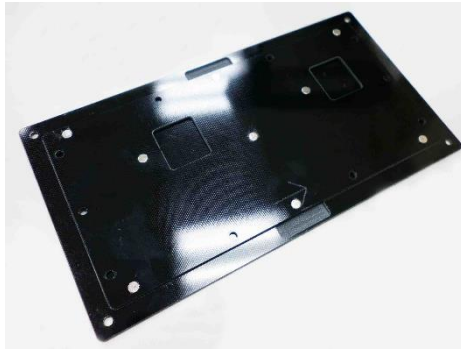
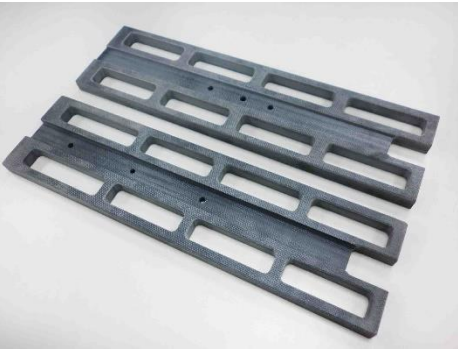
Feature :

- High temperature resistance 300 °C, compliance with the requirements of lead-free process.
- It resists against the erosion of Flux during the lead-free manufacturing process.
- Higher cohesion brings higher impact strength, to extend the service life of the Carrier.
- Satisfactory properties for thin-wall finishing. Lower damage rate during the tapping process. °
- Easier for cutting to reduce the service cost of the Tool.
- Lower burr rate to elevate production efficiency.

Each piece of Stononlead® is tagged with a serial number sticker. The user can identify whether or not it is an authentic Stononlead® with such < Stononlead® label >.



STONONLEAD®



THERMOBSTRUCTOR

Thermobstructor is a heat-insulating material composed of glass fiber cloth and inorganic resin, and the material does not contain asbestos.

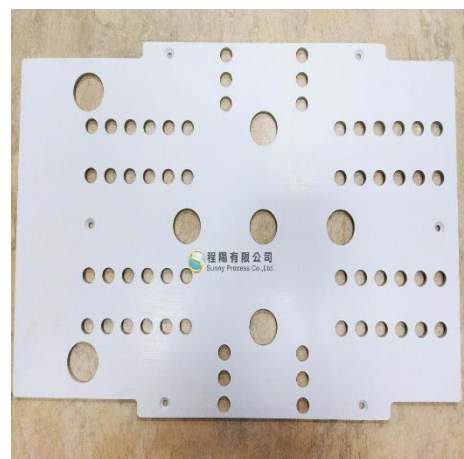
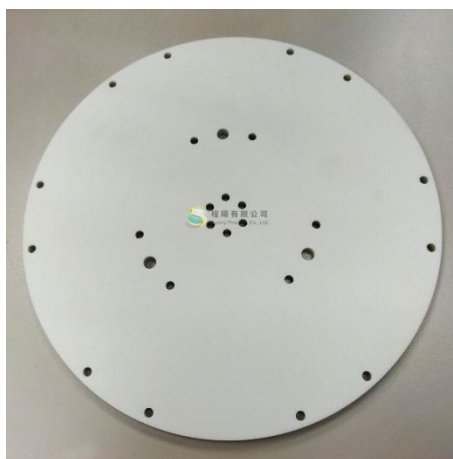
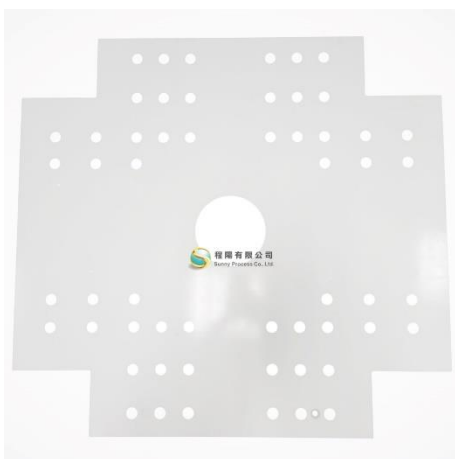
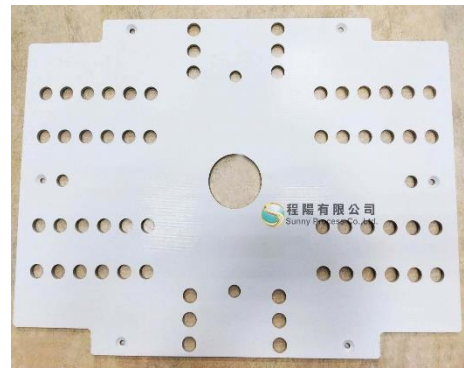
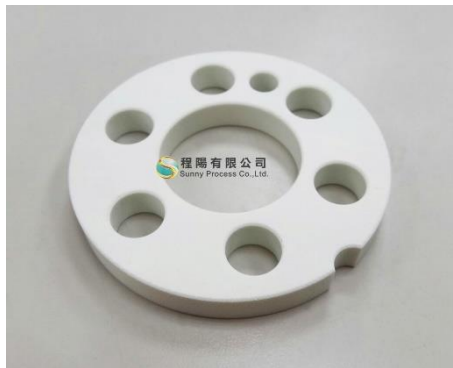
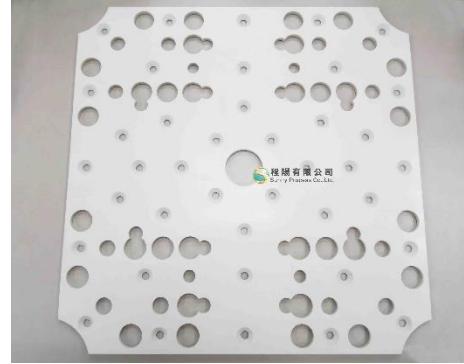
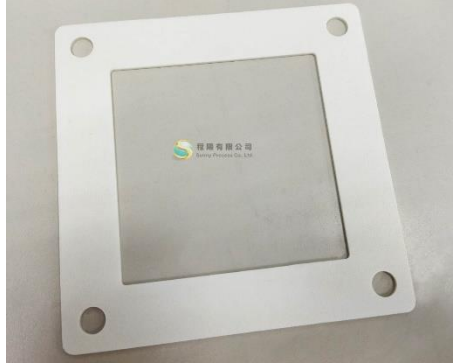
Feature :

- High temperature resistance 400°C, low thermal conductivity.
- Can stabilize the deformation caused by thermal expansion or high temperature pressure.
- Can control the deformation caused by continuous use.

※ Machining recommendations: low speed high feed, 10mm~5mm tool, S2000, F500~F1000.

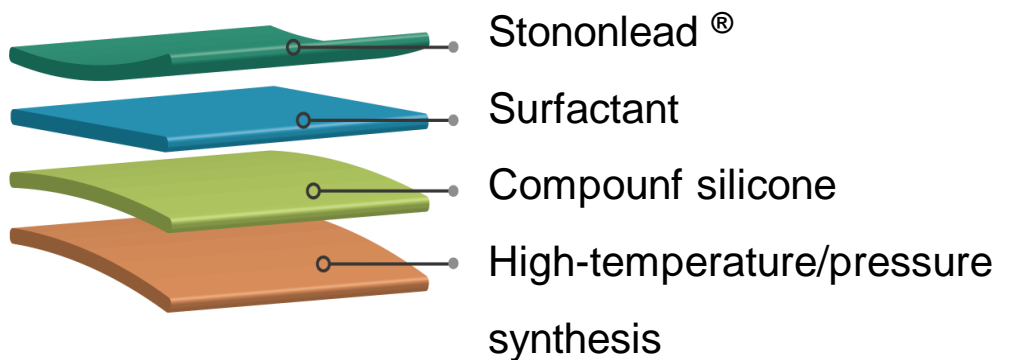


THERMOBSTRUCTOR



SUNTABA

The team combined silicone with high-temperature materials to develop an environmentally friendly material "SUNTABA" that can be pasted more than a thousand times and can withstand high temperatures of 280°C.



Feature :

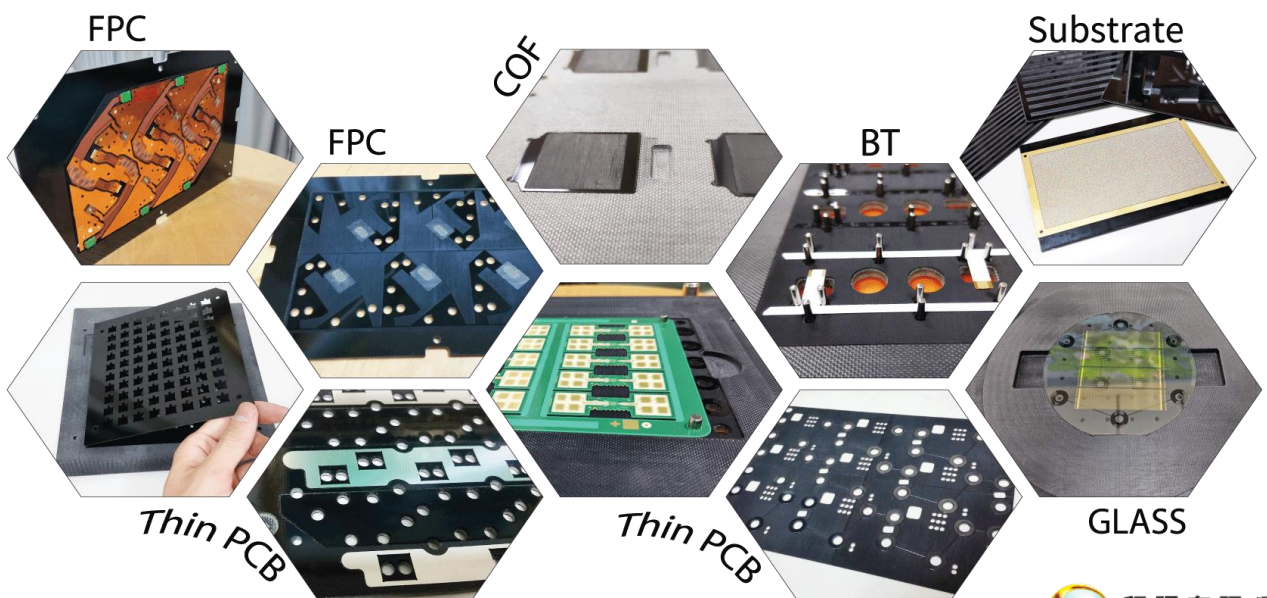
1. Environmental protection, non-toxic.
2. Repeat the paste thousands of times without leaving any glue residue.
3. Temperature-resistant.
4. Washable to remove stains.
5. Ultra-thin, non-slip, and can be cut at will.

SUNTABA Vaccum Pallets

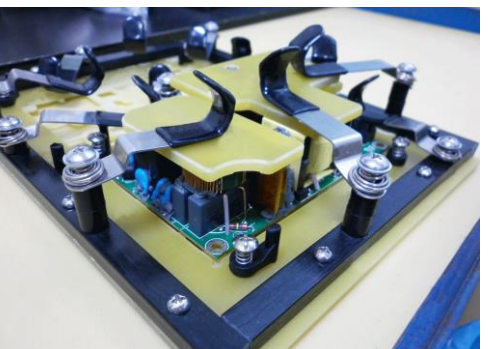
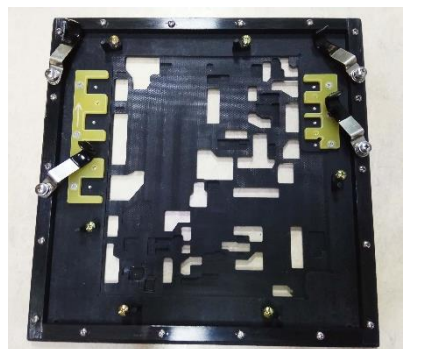
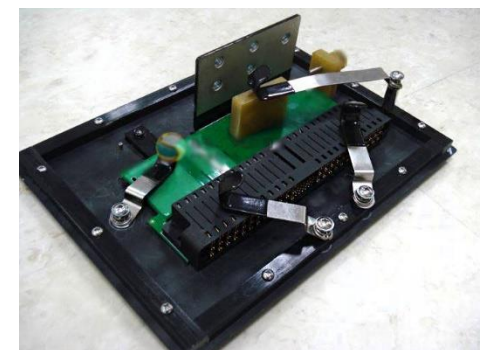
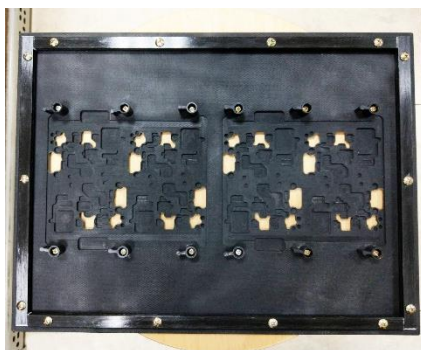
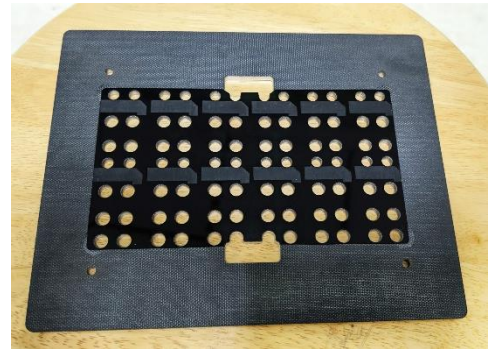
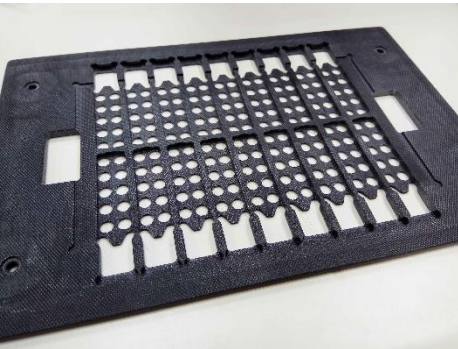
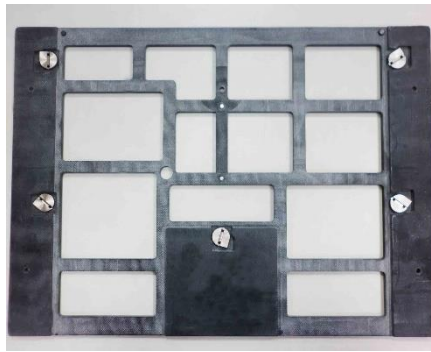
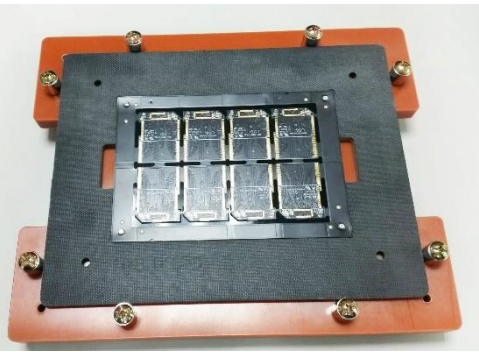
Suntaba Vaccum Pallets composed of Suntaba® and Stononlead®, uses the vacuum suction principle to replace the traditional taping methods. Can fix thin circuit board and remove them without damaging its. Improved production yield, move towards automatic production.

Application :

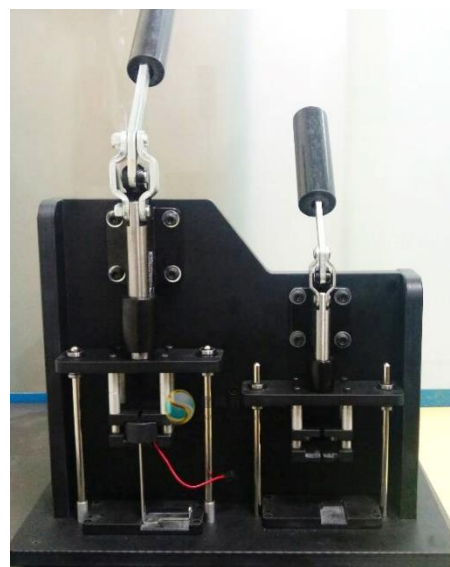
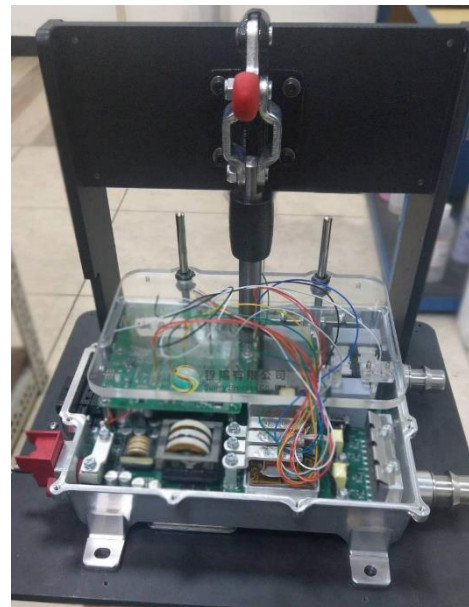
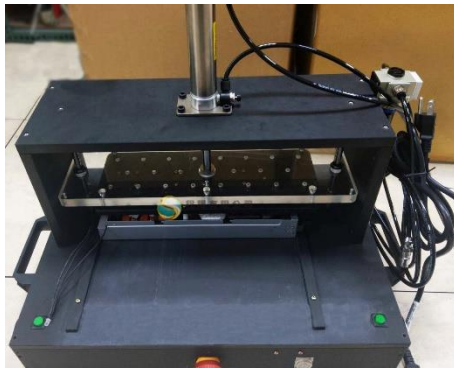
1. Thin board assembly
 - 1) Glass : Mini LED
 - 2) PET : mini LED
 - 3) PI : FPC
 - 4) Substrate
 - 5) BT
2. Fan out .
3. Auto glass printing.
4. Pcb smt for automatio.



Customization - SMT 、 DIP



Customization – Function





程陽有限公司
Sunny Process Co., Ltd.

www.sunnyprocess.com

新北市新莊區復興路三段109號

No.109, Sec. 3, Fuxing Rd., Xinzhuang Dist., New Taipei City 24251, Taiwan (R.O.C.)

TEL : +886-2-89931730 FAX : +886-2-89931732