

我們的宗旨：為客戶節省更多！

Our Aim is To Cut Down On The Costs More For Customers!

科技创新 引领未来
Scientific and technological
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點出精緻，帶出精彩！
Dispensing exquisitely,
Taping wonderfully!

ncover技術參數
ncover Technical Parameters



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Suzhou Bee-Tech



昆山益鋒電子科技有限公司
Kunshan Yi Feng

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一、ncover基本介紹

「ncover」是一款**史無前例**的**超透明上帶**，其工藝是將未上膠薄膜與下帶(Carrier Tape)在封合前上膠黏合，使用時自易撕線撕開。適用於PS、PC、PET、紙帶等材質之下帶。有抗靜電、非抗靜電兩款。是一項適用範圍廣、品質優良、即將**取代現行上帶**的新發明。



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1、ncover Product Description

ncover is a brand new type of transparent cover tape that features a revolutionary dispensing technique that applies aqueous PSA to the adhesive-free film during the taping process to the carrier tape, and peeling in easy-tear-line. It has a wide range of application that can match with carrier tape in materials like PS, PC, PET, paper tape and so on. ncover is a groundbreaking invention that provides excellent quality and great competitive strength to its users. There are two types of ncover, non-antistatic and antistatic, available to customers.



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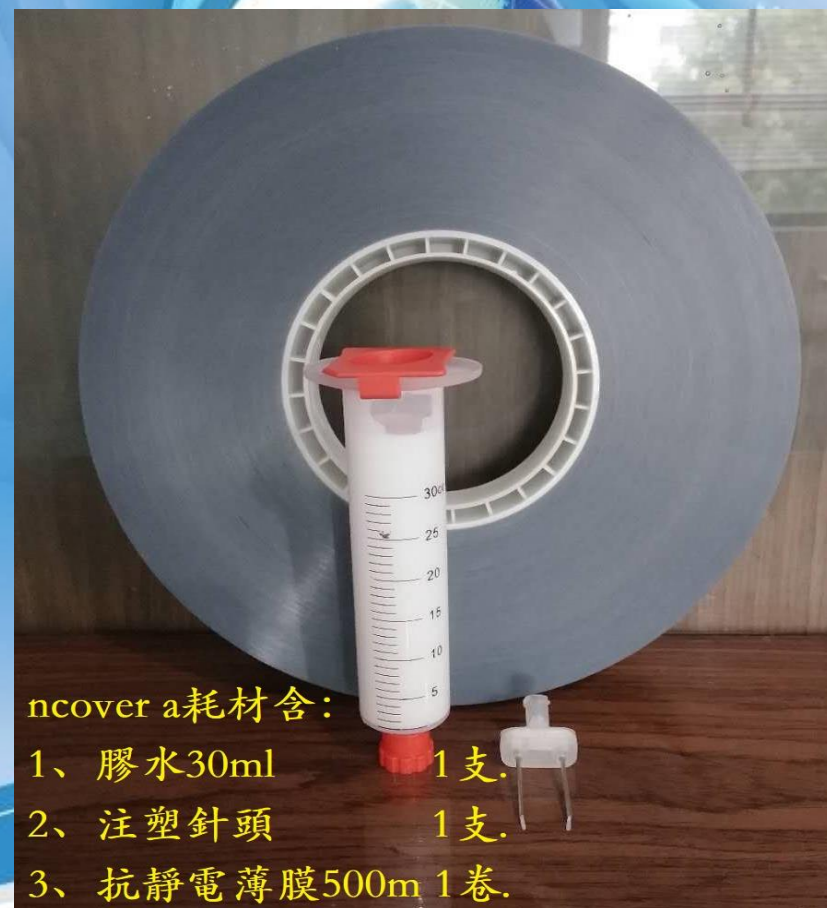
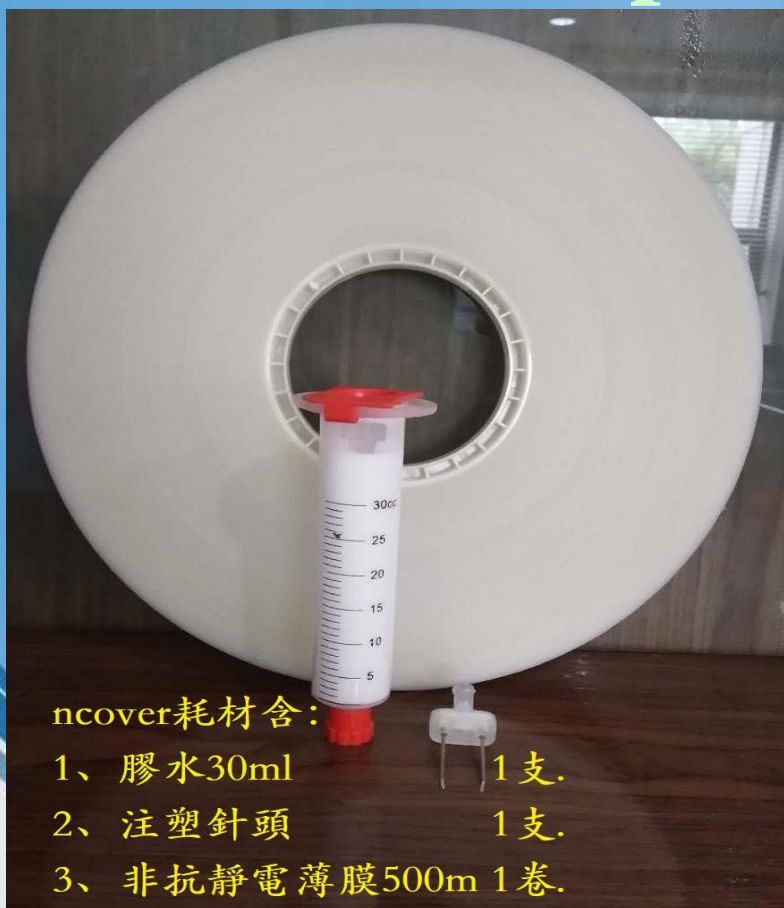
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一、ncover基本介紹

Product Descriptions



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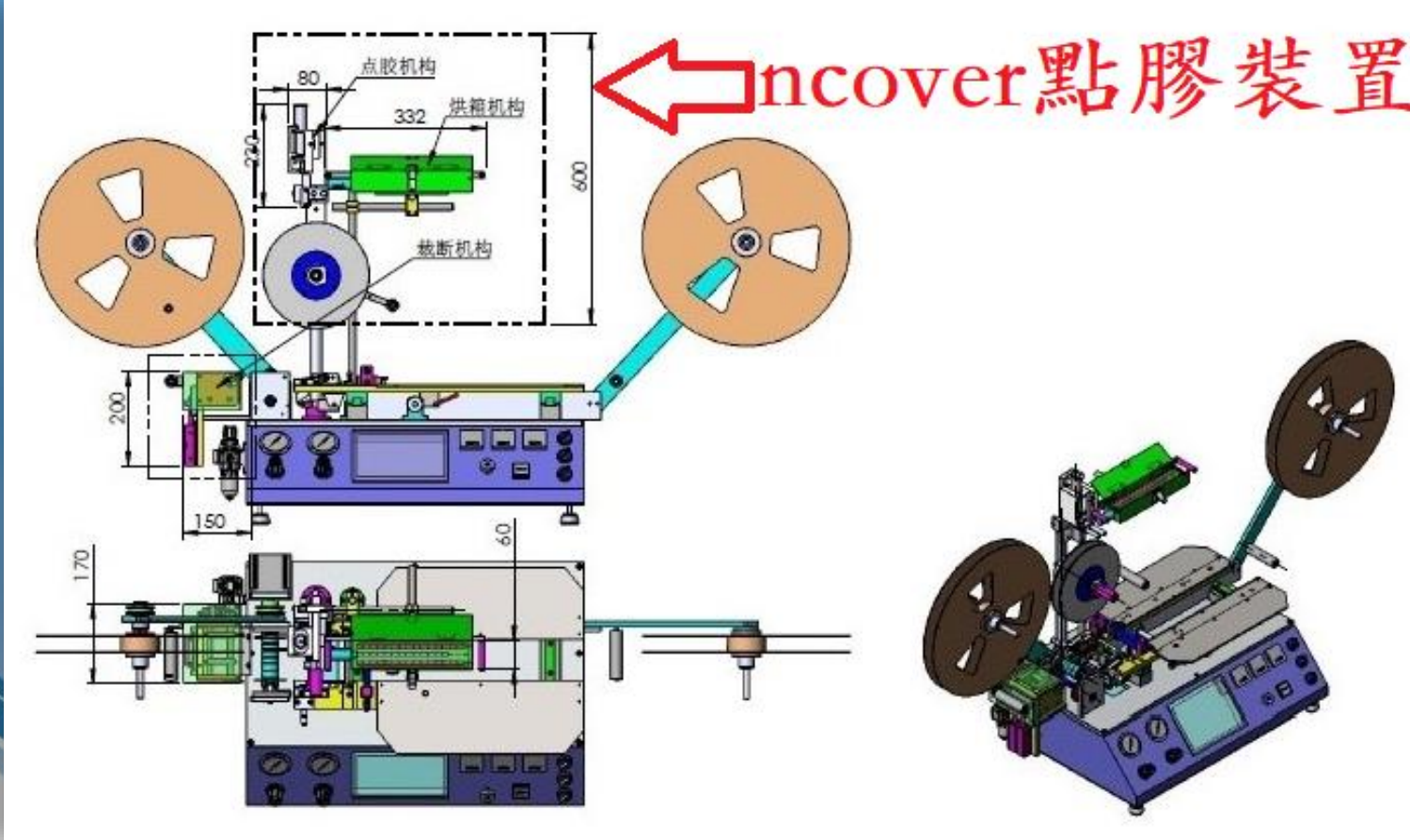
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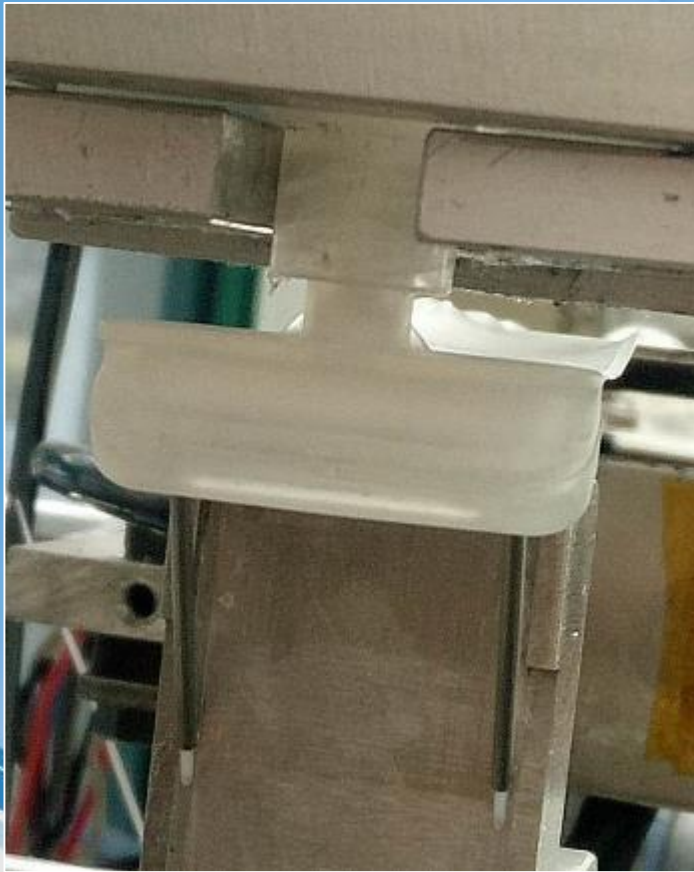
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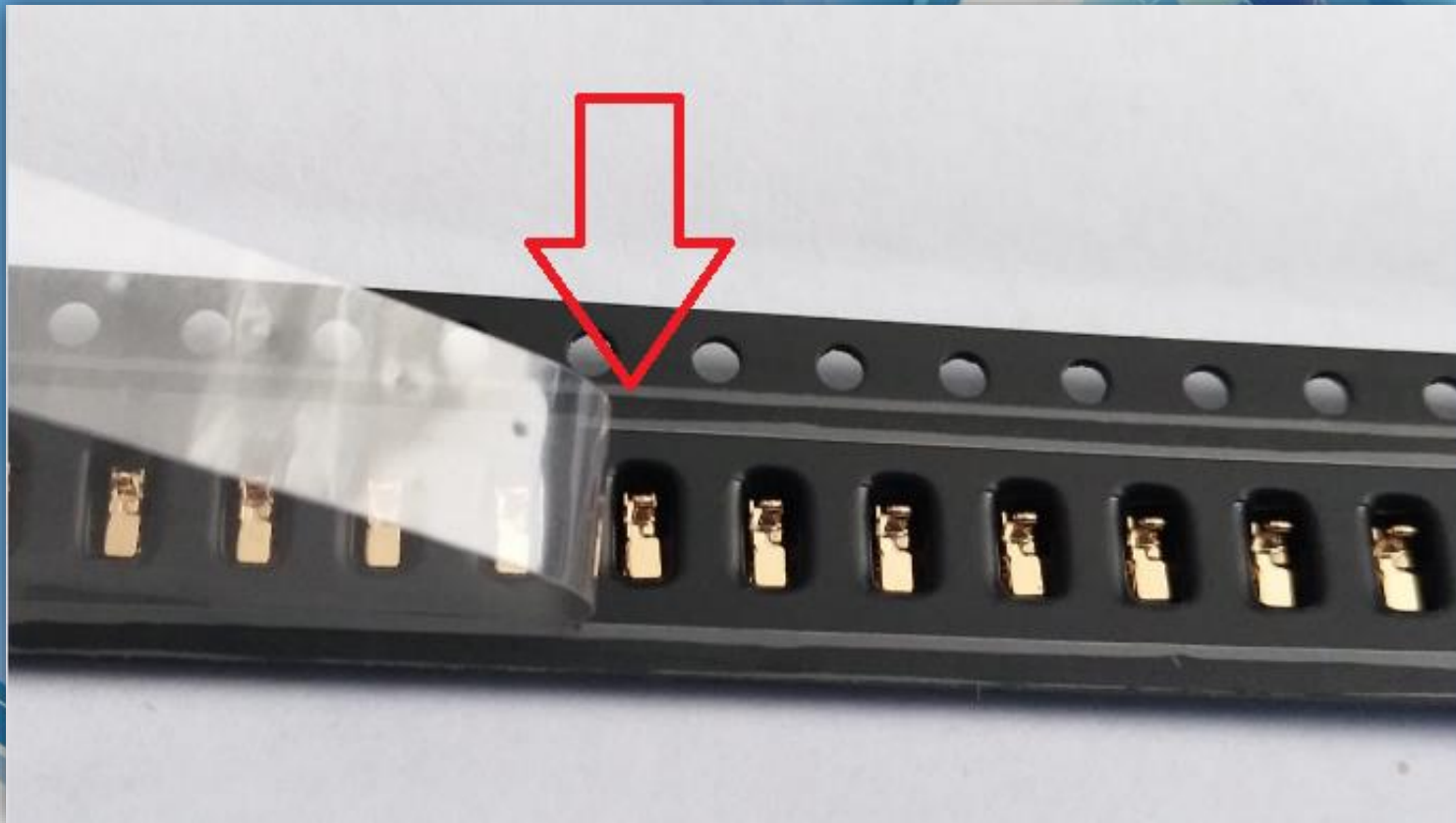
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二、ncover特點介紹

優 勢

1. 發明專利，原封合機無需變更。
2. 成本低，節能。
3. 每卷長度可達上千米，損耗低，實踐工業4.0。
4. 下帶材質可由PS改為PET，成本可再降低。
5. 較熱封型上帶使用方便。
6. 易撕線拉力值跳動小，不受下帶成型影響。
7. 透明度高，元件全檢方便。

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二、ncover特點介紹

優 勢

8. 永久型抗靜電，表面阻抗值不受環境濕度影響，沒有封合層的變異數，比傳統上帶更穩定。
9. 可在環境溫度10~60°C作業，無濕度要求。
10. 無需更換下帶，重工方便。
11. 無搭配錯誤問題，適用各種下帶。
12. 停機時不溢膠、不堵針頭。
13. 無拉力老化問題，因採撕裂材料方式剝離。



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二、ncover特點介紹

優 勢

- 14. 無溶劑環保問題，因水性不傷元件。
- 15. 無拋料問題。
- 16. 無溢膠問題。
- 17. 無撕裂問題。
- 18. 無儲存問題。



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2、Characteristics

Superiorities

1. ncover is a patented invention that does not require replacement of your existing taping machines.
2. Low cost and energy saving.
3. ncover can reach thousands of meters long, and the lost is low, practicing Industry 4.0.
4. The cost can be cut down even more by choosing PET carrier tape instead of PS carrier tape.
5. ncover is much easier to use than HAA.



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2、Characteristics

Superiorities

6. The easy-tear-line with low range of peel strength will not be affected by the forming of carrier tape.
7. High transparency of the ncover makes the component inspection easy.
8. ncover a is a permanent antistatic cover tape, the surface resistant value is not affected by environmental humidity, there is no sealing layer variation, more stable than the traditional cover tape.



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2、Characteristics

Superiorities

9. ncover runs under environmental temperature 10~50°C, no humidity requirements.
10. Reworking is convenient because there is no need to replace the carrier tape.
11. Free from matching errors because it is suitable for all kinds of carrier tape.
12. No adhesive overflow, blocked needle problems when machine is stop.



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2、Characteristics

Superiorities

13. No aging problem because a newly tearing method is adopted during the peeling process.
14. Free from solvent environmental issues because the aqueous PSA won't hurt the components.
15. No pop-off problem.
16. No excess glue problem.
17. No tearing problem.
18. No storage problem.



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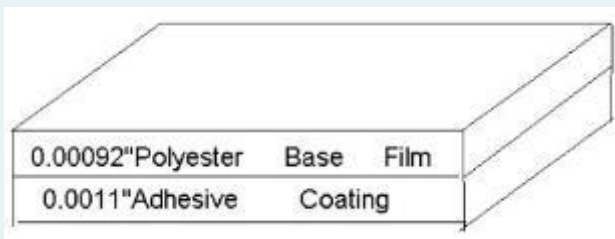

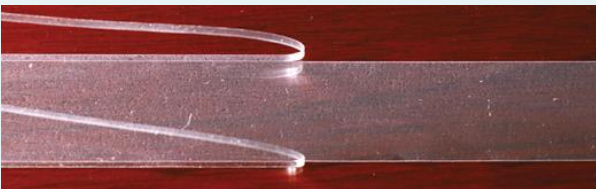
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2、Characteristics

| | Traditional cover tape | ncover |
|-------------|---|---|
| Structure | <p>Complicated</p>  | <p>Simple</p>  |
| Coated Glue | ○ | × |
| Peel Method | <p>Release</p>  | <p>Tear</p>  |

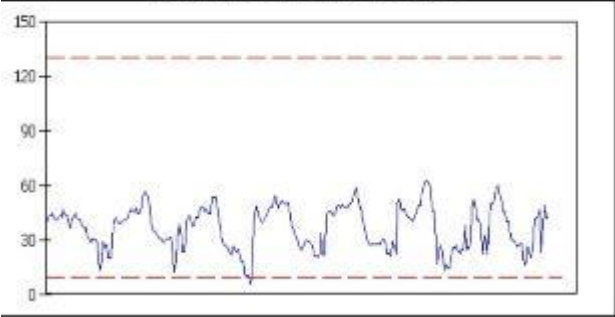
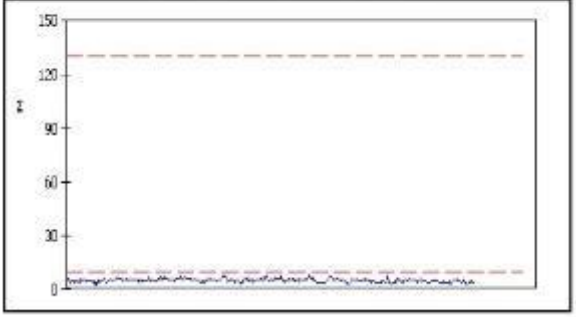




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2、Characteristics

| | Traditional cover tape | ncover |
|---------------|--|--|
| Quality | ? | ◎ |
| Peel Strength | <p>Jumping</p> <p>PEEL FORCE REPORT</p>  | <p>Smooth</p> <p>PEEL FORCE REPORT</p>  |
| Cost | ↑ | ↓ |
| Haze |  <p>Fog,opaque</p> |  <p>Transarent</p> |



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三、ncover拉力測試 Peel Strength

黏著力：上下帶封合力量，可依客戶需要增減點膠量，不影響拉力。

Adhesion: The adhesive power can be customized individually by adjusting the dispensing PSA volume, by which the peel strength will not be affected.



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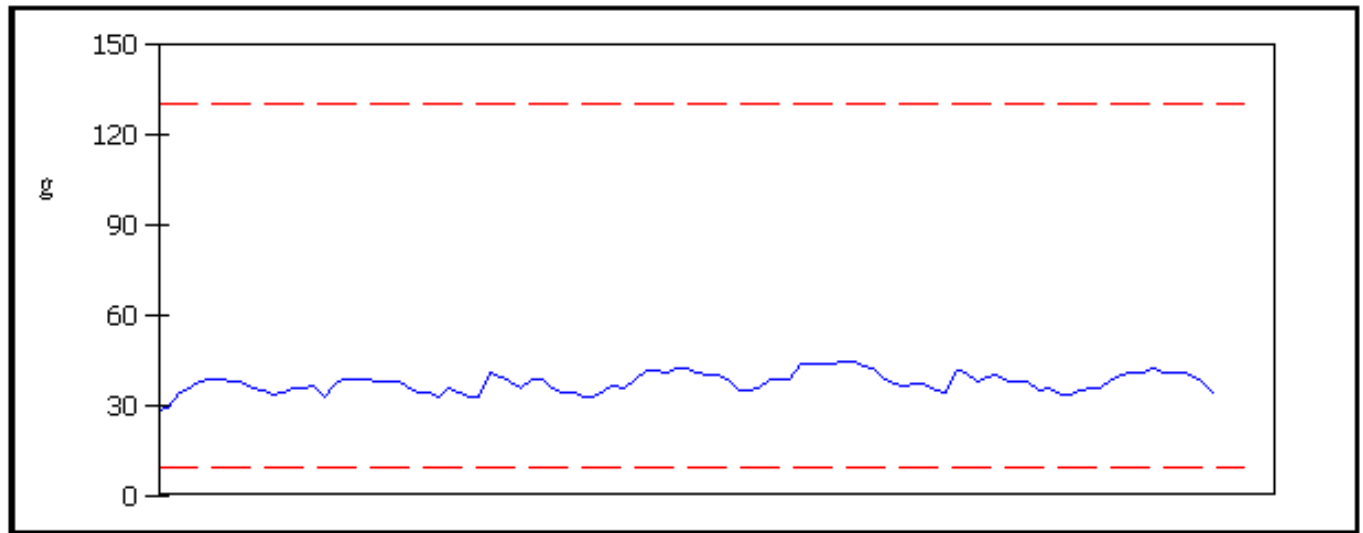
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三、ncover拉力測試 Peel Strength



TEST RESULT: PASS

| | Min | Max | Range | Mean= | STD. = |
|----------|------|------|-------|-------|--------------|
| Measured | 28.9 | 44.9 | 16 | 38.28 | 3.3 |
| Limits | 10 | 130 | 120 | | Var. = 10.89 |



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三、ncover拉力測試 Peel Strength

拉力：SMT上下帶分離力量，由材料撕裂強度決定。ncover 有良好耐衝擊強度，運輸過程中易撕線不會斷裂。

Peel Strength: The separation power on SMT tapes is decided by the tear strength of the used materials. ncover has durable impact resistance and the easy tear line will not break during shipping.



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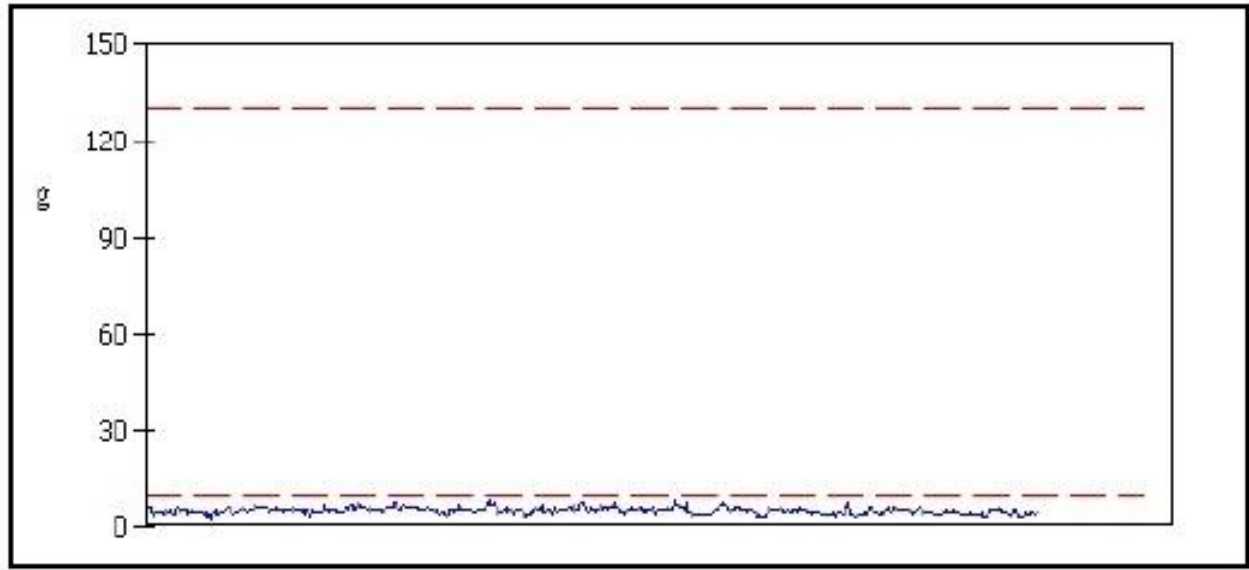
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三、ncover拉力測試 Peel Strength

PEEL FORCE REPORT



TEST RESULT: **NG**

| | Min | Max | Range | Mean= | STD. = |
|----------|-----|-----|-------|-------|-------------|
| Measured | 2.6 | 8.1 | 5.5 | 5.07 | 0.92 |
| Limits | 10 | 130 | 120 | | Var. = 0.85 |



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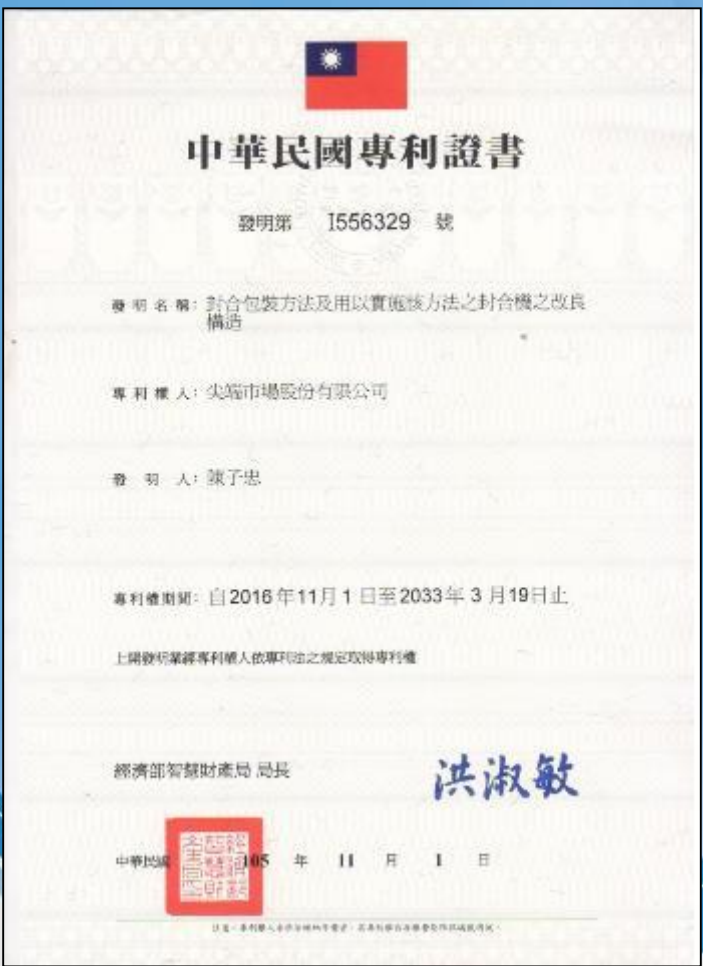
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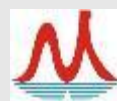
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四、ncover專利證書 Patent Certificate



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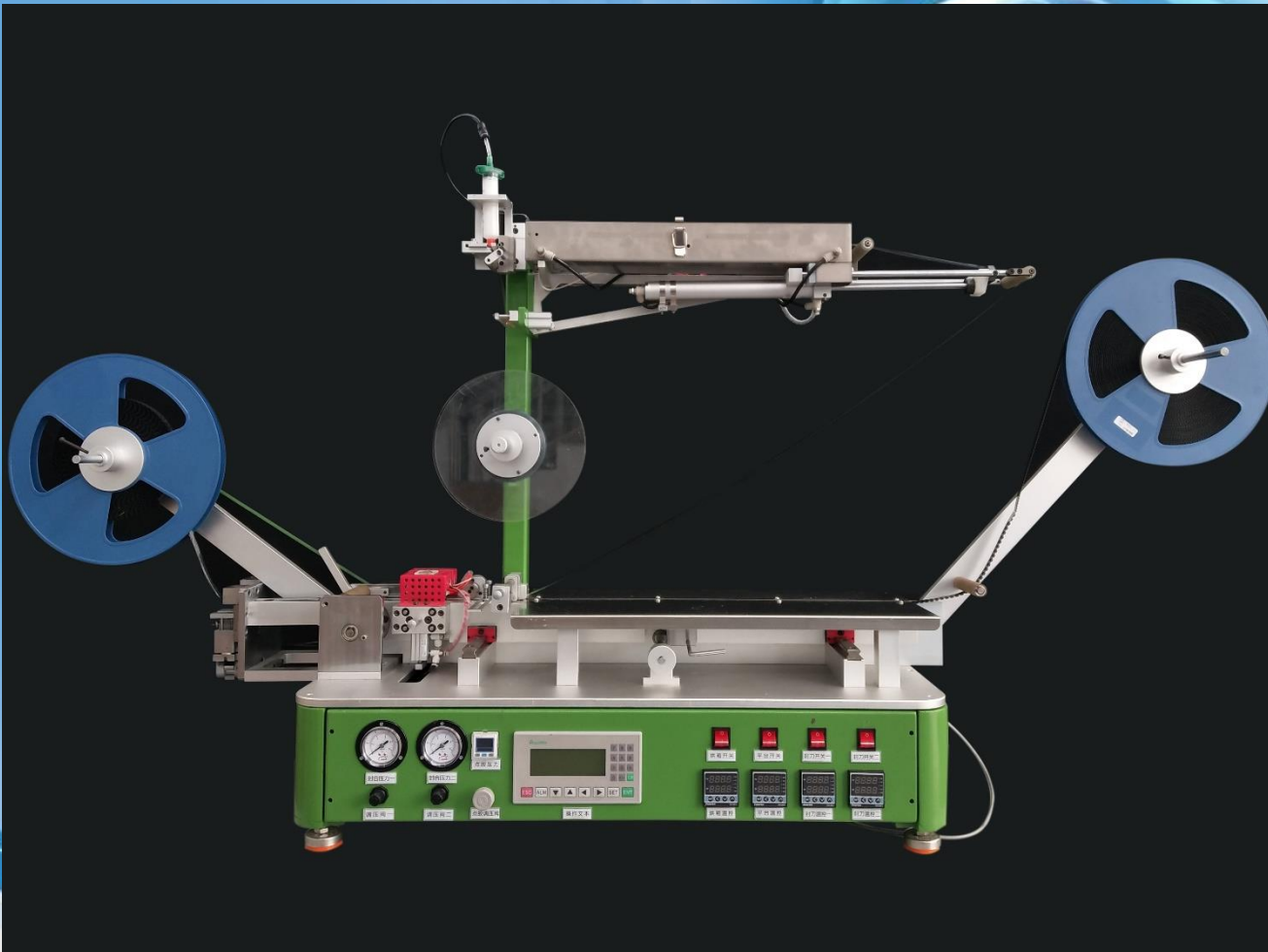
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五、iMachine



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五、iMachine

1. ncover、熱封、自黏**三用型**。
ncover, HAA, PSA three-use model.
2. 光纖感應器計數，無元件時停機。
Light-sensor counter can stop machine running when detects nothing.
3. 上下往復式氣缸封刀，可調整封刀壓力大小。
Reciprocating cylinder sealing shoes, adjustable seal pressure.
4. 人機操作介面，設計人性化。
HMI operation interface, humanized design.
5. **自動裁斷裝置**。
Auto cutting device.
6. 三菱PLC、台灣品牌馬達。
Mitsubishi PLC, Taiwan motor.



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六、iMachine尺寸、重量、電力、氣源、環境要求

Dimensions, Weight and Demand

1. 長L×寬W×高H 750×350×200(mm) 長度不含收放料、高度不含點膠機構，重量：30Kg。
2. 電壓：單相220VAC，50Hz；功率：0.7KW；電流5A，要可靠的接地（Grounding）。
3. 氣源：壓縮空氣入口壓力0.4MPa，流量>40,000L/H，要求無油、無塵、無水（No oil, dust and water）。
4. 環境溫度：30°C↓，建議通風。



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六、優惠措施 Promotion

老客戶 Customers

1. 保證ncover較市場現行品降價15%以上。
◦ We guarantee that the price for ncover is 15% lower than the existing products in current market.
2. 享免費點膠機及到廠安裝工程。Free installation.
3. 購ncover優惠成型機。When you buy ncover, you will also get a special offer on our forming machines.



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感謝您的關注

Thank you

ncover

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Dispensing exquisitely,

Taping wonderfully!



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