

www.grbhm.com



Chinese website

www.qinlefilm.com



English website

Qinle

Qinle

Guangdong Qinle New Materials Technology Co., Ltd.

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Zhaoqing Company Address: Building A7, Phase I, Pingqian International (Zhaoqing New Area) Modern Industrial Park, No. 7 Kechuang Avenue, Yong'an Town, Dinghu District, Zhaoqing City, Guangdong Province

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PRODUCT INFORMATION MANUAL

Keep the original intention
with seiko and innovate far away.

Guangdong Qinle New Materials Technology Co., Ltd.

COMPANY PREMISES



COMPANY PROFILE

Guangdong Qinle New Material Technology Co., Ltd. was established in 2022, with its predecessor being Dongguan Qinle Electronics Co., Ltd. founded in 2006. Since its establishment, the company has been focusing on the research and development (R&D), production and sales of adhesive material products and new surface protection materials for the electronics industry, and is committed to providing customers with comprehensive surface protection solutions.

Starting from 2009, the company embarked on a new chapter of technological upgrading. It carried out in-depth cooperation with well-known Korean film research experts, simultaneously introduced advanced production equipment and professional technical talents from home and abroad, and gradually built an independent R&D system. At present, the company's independently developed products, such as optical-grade PE protective films, PET protective films, OPP protective films, green silicone tapes and electrostatic films, have been widely used in surface protection scenarios for various products in the electronics industry. Among them, many products are in a leading position in the industry due to their technological advantages, and the company has obtained 14 product patents so far.

In terms of enterprise scale and team building, the company currently has three business divisions. To continuously enhance its core competitiveness, the company has long-term industry-university-research cooperation with domestic and foreign universities and research institutions, and constantly strengthens its core independent R&D capabilities in the field of new materials. With its outstanding technological strength and innovative achievements, the company was successfully recognized as a "Guangdong High-Tech Enterprise" in 2019. Now, it has grown into a leading technology-based enterprise in the fields of new optoelectronic application materials and new energy-saving and environmental protection materials, providing high-quality material support and technical services for the development of the industry.



Enterprise System Certification Certificate

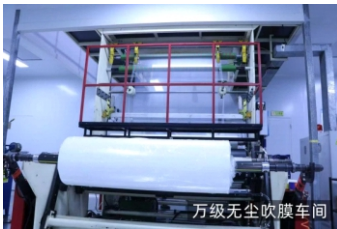
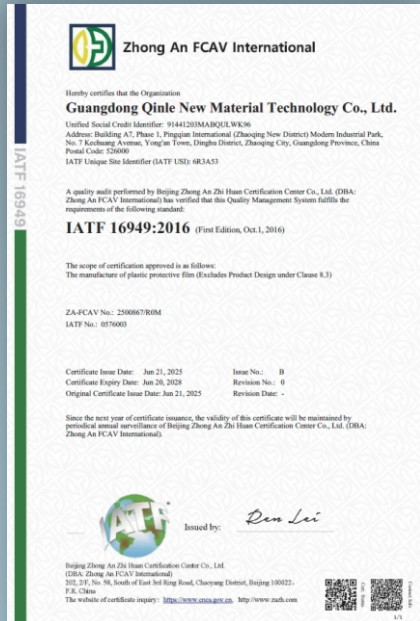


R&D capability

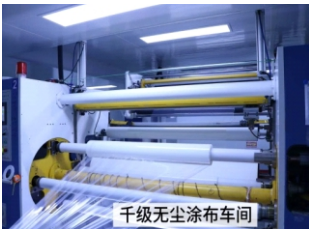
- Having 2 testing laboratories
- Self built adhesive database, strategic cooperation with multiple scientific research institutions and adhesive manufacturing enterprises
- Well equipped laboratory equipment and professional personnel, capable of designing adhesive products that meet new processes and requirements

Production Capacity

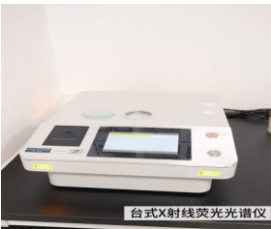
- Having 6 high-precision production lines with an annual output value of 100 million square meters
- 6-100um PET substrate tape coated with single-layer direct cutting and slitting, with a straight through rate greater than 95%
- 6-188um PET substrate coating layer material coating mother roll direct winding and rewinding slitting
- We have 5 precision rewinding and slitting machines with a maximum diameter of 300mm and a slitting to larence of 0.15mm



万级无尘吹膜车间



千级无尘涂布车间



台式X射线荧光光谱仪



程式恒温恒湿试验箱



电脑式剥离力试验机



剥离力测试

PE electrostatic film



Product Features

- 1.Easy to tear and stick, with a long storage period. The film surface is smooth, smooth, thin, and even in thickness
- 2.Preferred PE material, transparent protective film torn clean and transparent, easy to use, reliable quality
- 3.Strong tensile strength, not easy to break, soft and wear-resistant, good toughness, widely applicable
- 4.Support customization, adjustable length and width, sourced from the factory, personalized customization is more practical.

Base material	Substrate color	Customizable thickness (mm)	Customizable weight (g)	Customizable width dimensions	Customizable length and size
PE	Transparent, blue, red, green	30um-120um	1-15g	1-1500mm	100M-2000M

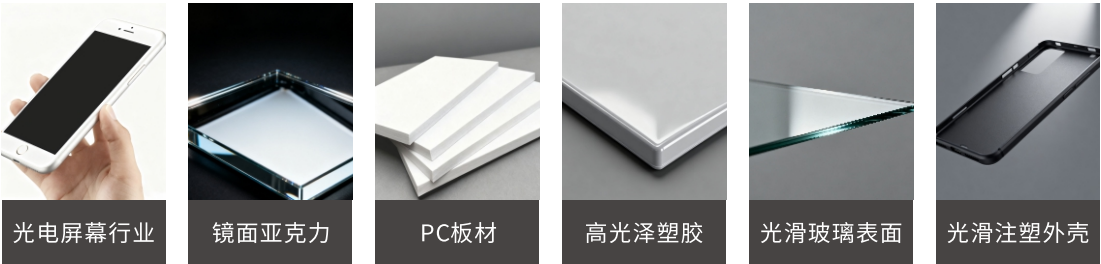
Product usage

3D cover glass, 3A material surface, hardened film, PC board, acrylic board, injection molded parts, plastic shell surface protection, etc.

Product Advantages

New process design, high light transmittance, stable electrostatic adsorption force, high cleanliness, easy peeling, superior aging resistance, high-speed automated production line, thousand level production workshop.

Product Application



PE coating film



Product Features

- 1. Good flexibility: The PE material is soft and can adhere to curved or irregular surfaces of workpieces, making it less prone to cracking;
- 2. Core protection: effectively isolates dust, minor scratches, and has a certain degree of cushioning, with a intact surface;
- 3. Stable viscosity and low residue adhesive: The adhesive layer has uniform viscosity and is not easily lifted during bonding. After tearing off, there is basically no adhesive residue and it does not contaminate the protected surface;
- 4. Basic weather resistance: able to withstand environments ranging from room temperature to medium low temperature, and not easily aged or deformed during short-term use.

Base material	Substrate color	Customizable thickness (mm)	Customizable weight (g)	Customizable width dimensions	Customizable length and size
PE	Transparent, blue, red, etc	40um-120um	1-2000g	1-1500mm	100M-2000M

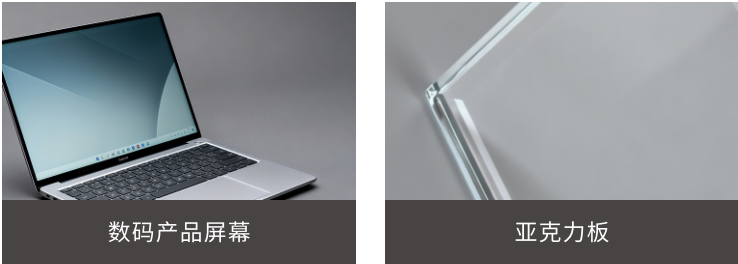
Product usage

3D cover glass, 3A material surface, hardened film, PC board, acrylic board, injection molded parts, plastic shell, hardware surface protection, etc.

Product Advantages

New process design, high transmittance, stable peeling force, high cleanliness, easy peeling, superior aging resistance, high-speed automated production line, thousand level production workshop.

Product Application



PE coating film



Product Features

- 1. Core release: The surface is coated with a release layer, which is easy to peel off when in contact with adhesive materials such as tape and protective film. The release force is stable and does not damage the adhesion of the adhered material;
- 2. Good flatness: The PE substrate has undergone process treatment, resulting in a smooth and wrinkle free surface that can accurately support adhesive products and is suitable for processing scenarios such as die-cutting and bonding;
- 3. Flexibility of the material: The material is soft and tear resistant, able to adhere to slight curved surfaces or rolled coils, not easily broken, and easy to store and transport;
- 4. High surface cleanliness: The production process strictly controls dust, and the surface is free of impurities and oil stains, avoiding contamination of protected viscous materials or precision workpieces.

Base material	Substrate color	Customizable thickness (mm)	Customizable weight (g)	Customizable width dimensions	Customizable length and size
PE	Transparent, blue, red, etc	30um-150um	1-200g	1-1500mm	100M-5000M

Product usage

Double sided adhesive die-cutting, foam die-cutting, process transfer and waste disposal, etc.

Product Advantages

New process design, stable peeling force, high appearance cleanliness, special release process, green and environmentally friendly, stable raw film substrate, high-speed automated production line.

PET protective film



Product Features

- 1. Good release stability, narrow range of release force fluctuation, and thin polyester film in the release treatment layer;
- 2. High cleanliness, no scratches or wrinkles on the appearance; No particles or bubbles on the surface; Uniform coating without pinhole defects.
- 3. Good adhesion, minimal transfer, and no detachment of the release layer; Resistant to mild alcohol and gasoline wiping.
- 4. High tensile strength, excellent stiffness, resistance to burning and cracking, not easily damaged, excellent electrical and optical performance, good oxygen and moisture resistance, corrosion resistance, cold resistance (-70 °C), good temperature resistance (150 °C), stable shrinkage, and small thickness tolerance.

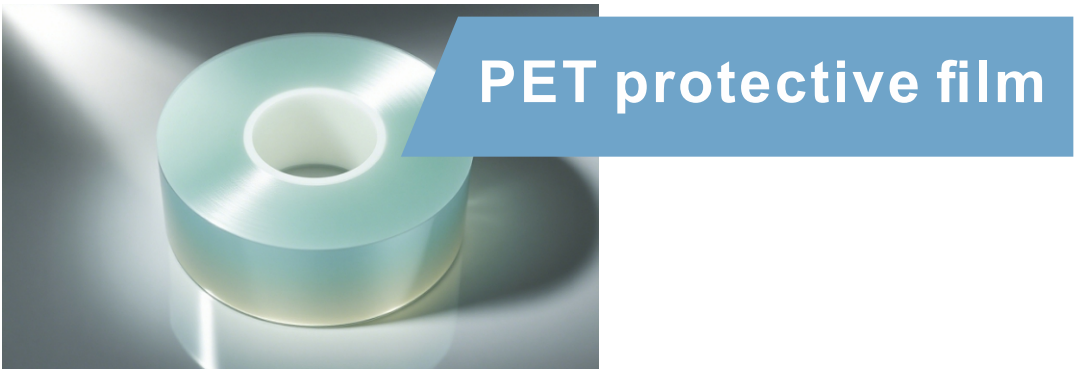
Base material	Substrate color	Customizable thickness (mm)	Customizable weight (g)	Customizable width dimensions	Customizable length and size
PET	Green, red, blue, white, matte, transparent, etc	25um-150um	1-200g	1-1500mm	100M-2000M

Product usage

Double sided adhesive die-cutting, foam die-cutting, process transfer and waste disposal, etc.

Product Advantages

New process design, stable peeling force, high appearance cleanliness, special release process, green and environmentally friendly, stable raw film substrate, high-speed automated production line.



Product Features

- 1. High transparency: PET substrate has a high light transmittance (over 90%), which does not affect the visual effect after bonding and clearly displays the appearance;
- 2. Good scratch resistance: The surface can be hardened (with a hardness of mostly 3H-4H), which can resist daily slight friction and scratching, reduce the occurrence of scratches, and protect the substrate surface intact;
- 3. Moderate temperature resistance: with a wide tolerance range (-30 °C~120 °C), it is not easy to deform or shrink in short-term high temperature environments;
- 4. Flatness and stiffness: PET material has better rigidity than PE, and is less prone to wrinkling and curling. It can tightly adhere to flat or micro curved surfaces when adhered;
- 5. Tensile durability: With high mechanical strength, it is not easy to break when stretched, and has strong stability during use and processing, reducing the risk of damage.

Base material	Substrate color	Customizable thickness (mm)	Customizable weight (g)	Customizable width dimensions	Customizable length and size
PET	transparent	25um-150um	1-2000g	1-1500mm	100M-2000M

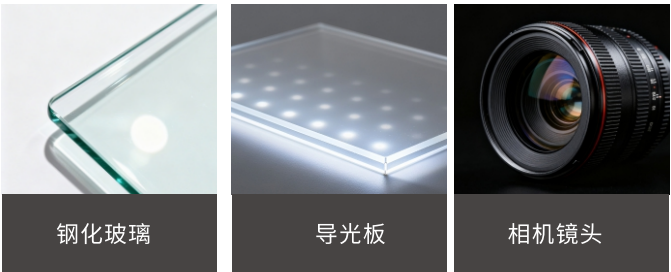
Product usage

Surface protection for the electronic and electrical industry, screen protection, display protection for the optoelectronic display industry, such as LCD liquid crystal displays, backlight panels, cold light panels, mobile phone screens, etc., to maintain the clarity and touch of the screen, die-cutting and waste removal, plastic, printing, automotive industries, etc.

Product Advantages

New process design for PU, silicone, acrylic and other protective films, high light transmittance, stable peeling force, high cleanliness, easy peeling, superior aging resistance, excellent temperature and impact resistance, high-speed automated production line, and thousand level production workshop.

Product Application



PET tape



Product Features

- 1. High tensile strength: PET substrate has high mechanical strength, adhesive tape has strong tensile and tear resistance, is not easy to break during use, and is suitable for scenarios that require long-term fixation or stress (such as electronic component bundling, packaging reinforcement);
- 2. Wide temperature resistance: Conventional tolerance range -40 °C~120 °C (higher for special models), stable viscosity in high and low temperature environments, substrate not easily deformed, suitable for electronic processing (such as reflow soldering), outdoor temporary fixation and other scenarios;
- 3. Controllable and stable viscosity: The adhesive layer (mostly acrylic adhesive) has uniform viscosity and can provide different viscosity options of low, medium, and high. It is not easy to detach after bonding, and some models support "removable without residual adhesive" to meet temporary fixing needs;
- 4. Flat and easy to adhere: The surface of PET substrate is flat and firm, and the adhesive tape is not prone to bubbles or wrinkles during adhesion. It can tightly adhere to flat or micro curved surfaces and is suitable for bonding and fixing precision components such as circuit boards and screen frames;
- 5. Good insulation: Most PET tapes have electrical insulation properties and can be used for insulation wrapping of circuit boards, wires and cables to avoid the risk of leakage;
- 6. Environmental stability: acid and alkali resistance, aging resistance, moisture resistance, long-term exposure to ordinary environments is not easy to fail due to corrosion or oxidation, extending the service life.

Base material	Substrate color	Customizable thickness (mm)	Customizable weight (g)	Customizable width dimensions	Customizable length and size
PET	Red, blue, yellow, green, etc	25um-150um	1-2000g	1-1500mm	100M-5000M

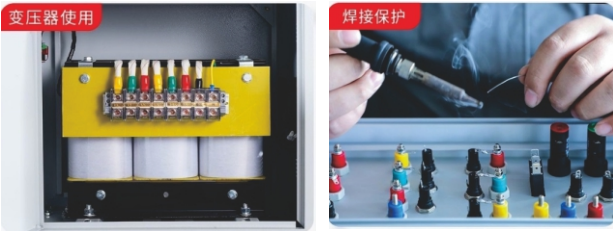
Product usage

Die-cutting machine waste disposal, various motors, transformers, high temperature shielding protection, powder coating, CNN process, insulation winding, die-cutting process.

Product Advantages

New process design, stable peeling force, high appearance cleanliness, special release process, green and environmentally friendly, stable raw film substrate, high-speed automated production line.

Product Application





CPP protective film

Product Features

- 1. High transparency: Excellent optical performance, with a transmittance of over 90%, and does not affect the appearance observation of protected objects (such as screens and boards) after bonding;
- 2. Adhesive stability: with low to medium adhesive selection, moderate initial adhesive force, less likely to produce bubbles during bonding, no residual adhesive after peeling, avoiding contamination of the protected surface;
- 3. Good physical properties: puncture resistance, high tensile strength, can effectively resist slight scratches and collisions, and protect the substrate from external damage;
- 4. Excellent temperature resistance: It can be used stably in environments ranging from -20 °C to 80 °C, and can withstand higher temperatures in the short term, adapting to the temperature and humidity conditions of most daily and industrial scenarios;

Base material	Substrate color	Customizable thickness (mm)	Customizable weight (g)	Customizable width dimensions	Customizable length and size
CPP	transparent	25um-150um	1-2000g	1-1500mm	100M-2000M

Product usage

Stainless steel plates and aluminum plates in the metal products industry, acrylic plates, PC plates, PS plates in the plastic products industry, LCD screens, polarizers, touch screens in the optoelectronic display industry, nameplates, labels in the printing and packaging industry, artificial stone slabs, plastic steel doors and windows in the construction industry, and surface protection for glass products, optical lenses, and other precision industries.

Product Advantages

Good flatness and adhesion, good flexibility and ductility, stable chemical properties, green and environmentally friendly, high cost-effectiveness.



PI high-temperature tape

Product Features

- 1. Highly resistant to high temperatures: The long-term temperature range can reach 200 °C~260 °C, and the short-term temperature can withstand temperatures above 300 °C. It can adapt to high-temperature electronic processing technologies such as reflow soldering and wave soldering, without deformation or failure;
- 2. Excellent insulation performance: high breakdown voltage (usually $\geq 40\text{kV/mm}$), high volume resistivity ($\geq 10^{16}\Omega \cdot \text{cm}$), able to maintain stable insulation in high and low temperature, high humidity environments, and is the core insulation material for electronic components and circuit boards;
- 3. High mechanical strength: The substrate has good toughness, tensile strength (tensile strength $\geq 150\text{MPa}$), puncture resistance, and is not easily torn. After bonding, it can resist external friction or slight impact, protecting the substrate from damage;
- 4. Good chemical stability: resistant to acid and alkali, organic solvents (such as alcohol and acetone), does not react chemically with common electronic accessories, and is not easily aged or deteriorated after long-term use;
- 5. Good dimensional stability: The thermal shrinkage rate at high temperatures is extremely low (usually $<1\%$), and there will be no positional deviation due to shrinkage when bonding precision components. It can also be accurately die cut into various complex shapes, suitable for the precision requirements of the electronics industry.

Base material	Substrate color	Customizable thickness (mm)	Customizable weight (g)	Customizable width dimensions	Customizable length and size
PI Tape	Amber, black, white	25um-150um	1-2000g	1-1020mm	33M-1000M

Product usage

Circuit board soldering shielding, battery insulation wrapping, circuit board insulation protection, SMT high temperature protection, headphone charging cable winding, customized punching slicing, etc.

Product Advantages

Excellent high temperature resistance, excellent electrical insulation performance, excellent chemical stability, flame retardancy, diverse adhesive layer selection, and no residual adhesive after peeling.

Product Application



CORPORATE CULTURE

Our goal: to become a respected technology enterprise
Our core competitiveness: driven by technological innovation
Driven by a clear goal: striving to become a leader in the industry
Development relies on scientific management: moving towards professional management
Wisdom comes from continuous learning: building a learning rich enterprise
Enterprise goal: Committed to becoming a leader in the new materials industry
Core slogan: Membrane construction quality, adhesive future
Business philosophy: Adhere to the original intention with precision, and strive for the future with innovation
Corporate Spirit: Integrity, Pragmatism, Innovation, and Development

We have a rock solid team cohesion that supports us to stand firm in the ever-changing market. We continue to move forward with the spirit of integrity, pragmatism, innovation, openness, and enterprising.

Our team:
A well-trained team;
A team rich in team spirit;
A constantly innovative and enterprising team;
A team dedicated to serving you with integrity and pragmatism.

