



PAINT

PROTECTION FILM

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Brand Introduction

Etsuro Nakamichi founded Nakamichi Research in 1948. The brother of Niro Nakamichi, he was an acoustic engineering officer in the Japanese Navy doing sonar research.

The company he founded initially designed and developed portable radios, tone arms, speakers and communications equipment, and provided R&D for major brands, government entities, universities, and organizations in the private sector.

Since then, Nakamichi has contributed to various innovations in technology, such as the compact disc and similar optical memory systems, paving the way for an entire range of high-end consumer electronics.

Today, Nakamichi prides itself on relentless research and development, while delivering some of the world's best products to people who appreciate sound at its highest quality.

With the rapid development of the Nakamichi brand and its products in the global market, the product line has expanded quickly. While maintaining the development and innovation of traditional car audio and home audio product lines, We had recognized a need in the market and further expanded to LED ambient lights, navigation systems, car paint and window films as well as other car accessories.

NAKAMICHI industry PPF full industrial chain advantage

➤Nakoda is a new materials company focused on the development and production of aliphatic thermoplastic polyurethane elastomer (TPU) materials



High-end application research and development as the core, based on leading production equipment and processing technology
To ensure the performance of our products and the quality of technical services
To meet the evolving needs of modern life and industry for elastomer materials



Gathering Global
Elite Resources
Leading The
Industry Forward



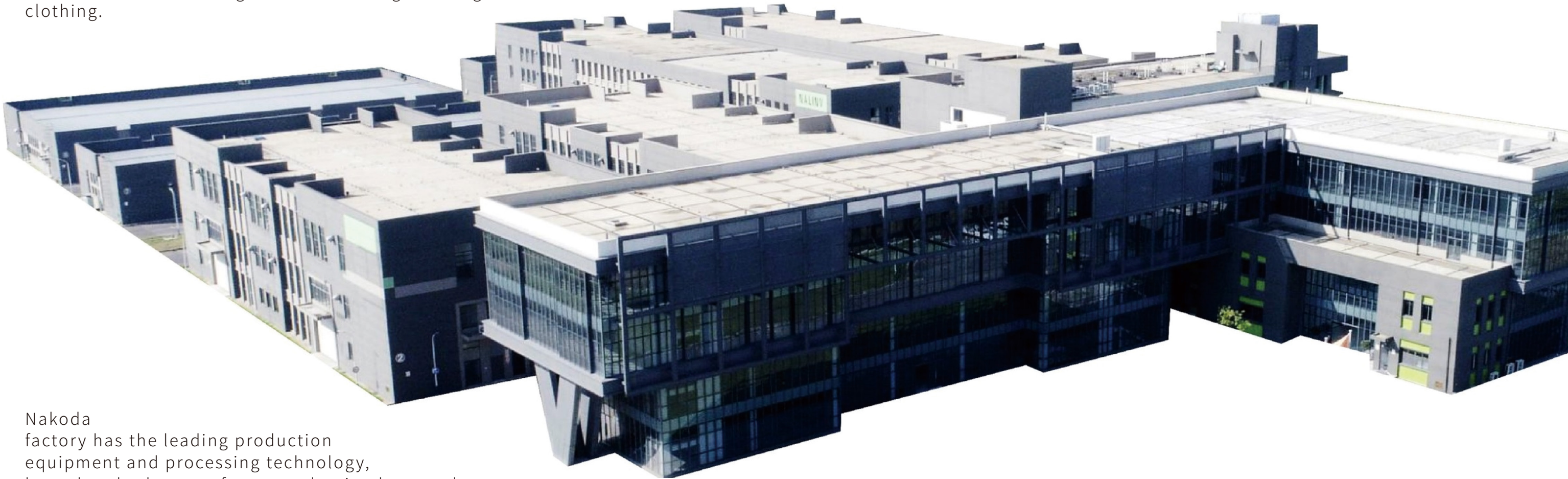
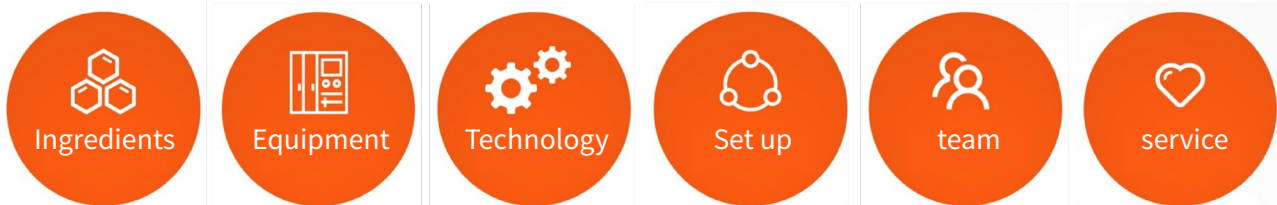
Combine strengths and deepen technological innovation

Nakoda
Whole industry chain manufacturer

Nakamichi and Nakoda have joined hands to integrate the car film industry chain, conduct in-depth research on the global car film market, and carry out targeted product development and innovative technology applications based on market and user needs.

Nakoda has long focused on the research and development and production of the world's top TPU film, and has built an intelligent manufacturing base for the lacquer protective film industry. In addition, it will gradually expand to more high-end industrial manufacturing fields in the later stage. Nakoda adheres to the business principle of honesty and trustworthiness, and accurately builds the whole industrial chain supply system from functional masterbatch - original film - coating - cutting - finished car and clothing.

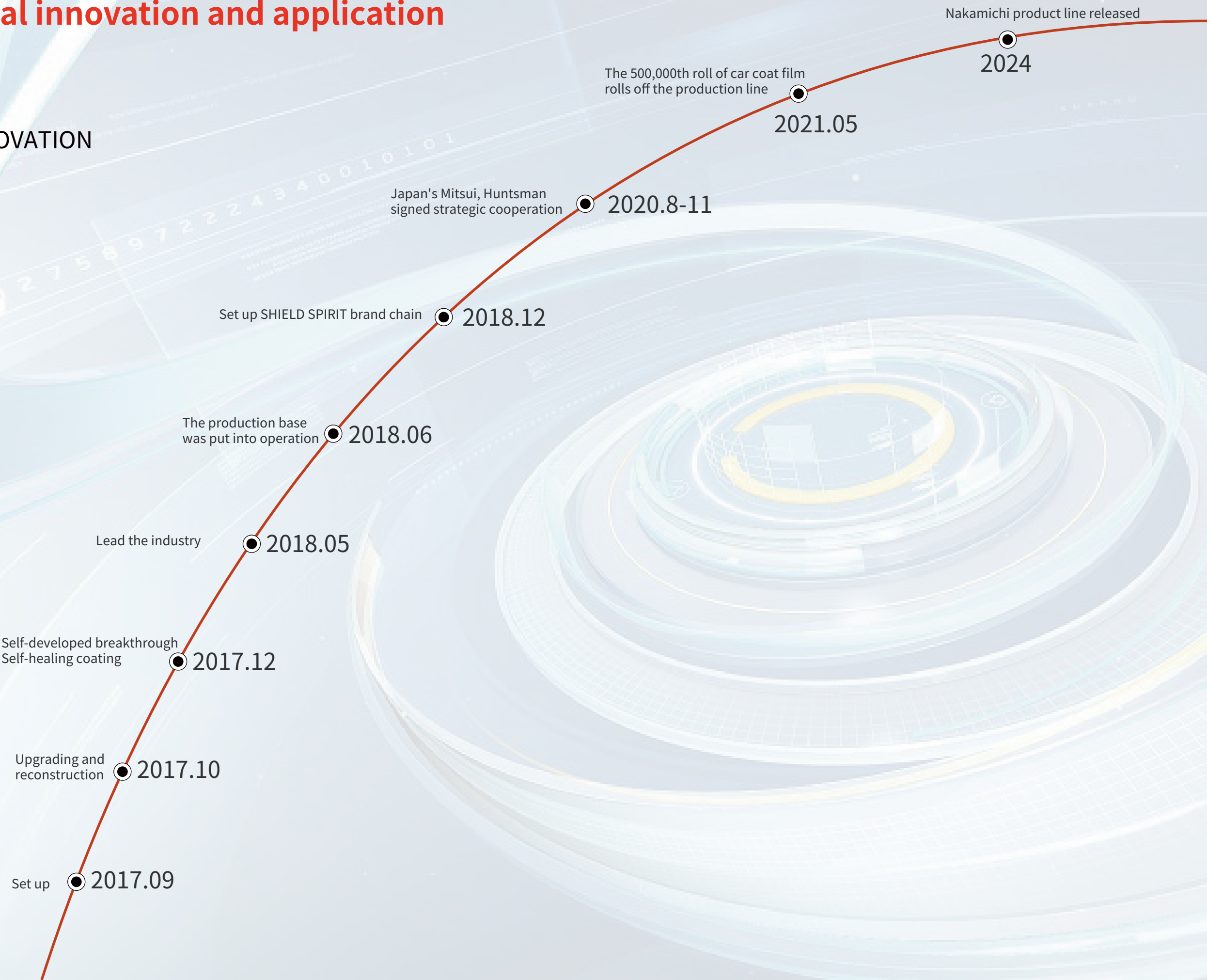
Sis Advantages Converge



Nakoda factory has the leading production equipment and processing technology, has a hundred acres of own production base and world-class advanced TPU film production equipment,from raw material selection, to TPU film production, and then to the research and development of repair coatings and precision coating processing.

Technological innovation and application

HISTORY OF INNOVATION



Qualification certificate

Patent certificate

The number of patents applied by the group exceeds **100+**
The number of national certified patents has exceeded **50+**
The number of Nakoda car and clothing project patents reached **14**

Research and development technology

More than 5000 times of product physical running-in
It is equipped with 3 research and development laboratories and pilot test bases

Prevent yellowing

GREATEST OF ALL TIME SHIELD SPIRIT PAINT PROTECTION FILM



The fading of car paint is basically caused by oxidation in the air, in the contact of aprotone TPU particles, even if it has experienced the baptism of years like a human, the paint protective film is made of aliphatic polyolefin and air, in the long run, the paint protective film will slow the oxidation and corrosion-face, the yellowing resistance can still reach 99% performance. It can greatly reduce the aging of the car paint and keep the car in perfect condition.



Scratch prevention



High light polyamino acid film, effectively protects the vehicle when in motion from high speed flying rocks, gravel, insects and other impacts;

Property preservation



Whilst stationay, it is protected from scratches, corrosion of natural alkaline substances and other objects that may cause minor impact damage to the vechicle, prevent rain spots and gloss reduction of the car paint, effectively protect the car paint, and avoid trobule caused by repainting the vehicle.

Super anti-fouling



After 20 years of development of exclusive film coating formula, more than 98 percent of the world's peer brands, dense network cross-linked structure, so that the car film provides durable stain resistance and corrosion resistance, is easy to clean off marks.

The film provides strong resistance against the harm of natural alkaline substances to the paintwork.

Perfect mounting



NAKAMICHI paint protective film adopts imported nano level coating TPU material, which has better ductility, increases the stretch degree of the car coat, and is easy to mount. It perfectly wraps the radian paint surface, which will not shrink back, and keeps the integrity of the film surface, smooth and non-foaming, so that the application can go smoothly.

Paint protective film



Paint Protection Film

PPF for short, also known as invisible paint protective film

PPF is different from the traditional car waxing, crystal plating, polishing and other paint beauty, it is actually covered on the surface of the car paint with a certain thickness and high transparency of aliphatic polyurethane film.

PPF has excellent performance, easy to mount, resists to yellowing, not easy to wear, is the most effective original car paint protection solution.



History of protective film

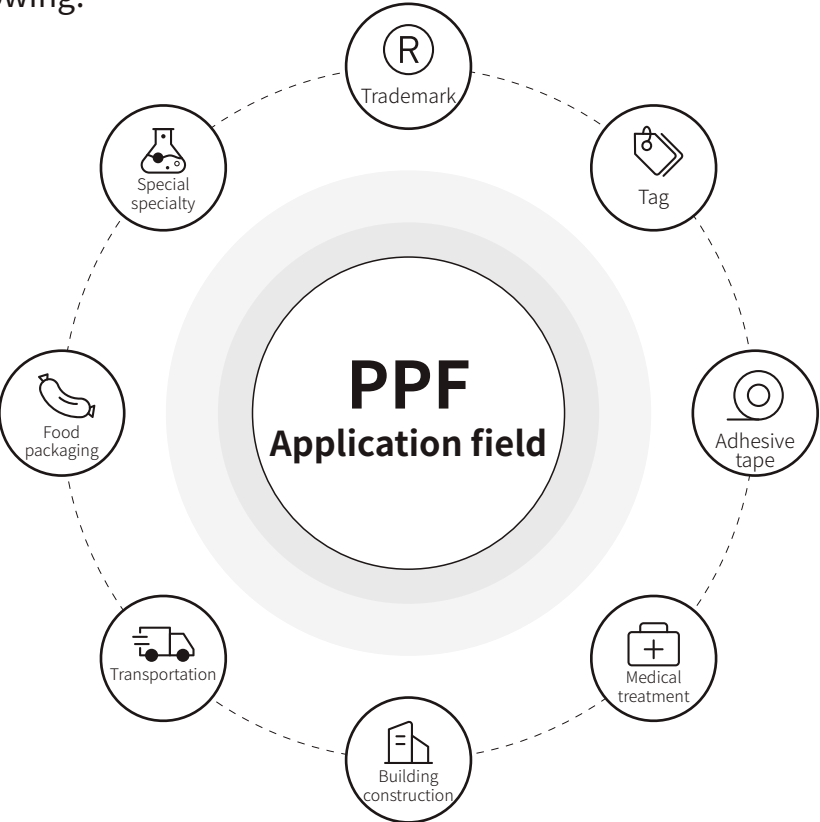
The development of lacquer protective film

Original Hard PVC Fikm: weak tensile, need to heat construction, poor thermal stability, thermal decomposition of harmful gas hydrogen chloride to make it discolored (from white - yellow - black).

Modified PVC Film:commonly known as TPH/TPE/PU, due to the addition of a large number of plasticizers to make it have a certain flexibility, increase the coating, a bit of repair basis, tensile basically can not rebound, plasticizer precipitation, there is a risk of falling glue, the material is easy to age and become brittle.

Single-layer TPU Film: can stretch, elastic, no coating, anti-fouling, but weak repair, and easy to yellow.

Double-layer TPU Film: has self-healing and repair function, good tensile property, and has anti-fouling characteristics, the coating can make the protective film fully repaired under the influence of external factors, resistant to yellowing!



Paint protective film NPP50T65 / NPP50T75 / NPP50T85 /NPP50T100 is a bright paint protective film with anti-fouling and yellowing resistance. Its super water-repellent and resistance can protect your car from natural alkaline substances and other factors. The unique TPU top coating makes the film surface durable and non-yellowing. (Please refer to each product description for details)

NPP50T65 /NPP50T75 **Series recommended models**

Recommended models: Audi A3、 Honda Civic、 Hongqi
H5、 Mercedes-Benz C-class、 BYD Han、 Changan UNI-K 、
Volkswagen Tanko、 Toyota Camry、 Ford Explorer、 Nissan
Teana、 Tesla Model 3 、 Volvo S60.....



PRODUCT LINE
PAINT PROTECTION FILM

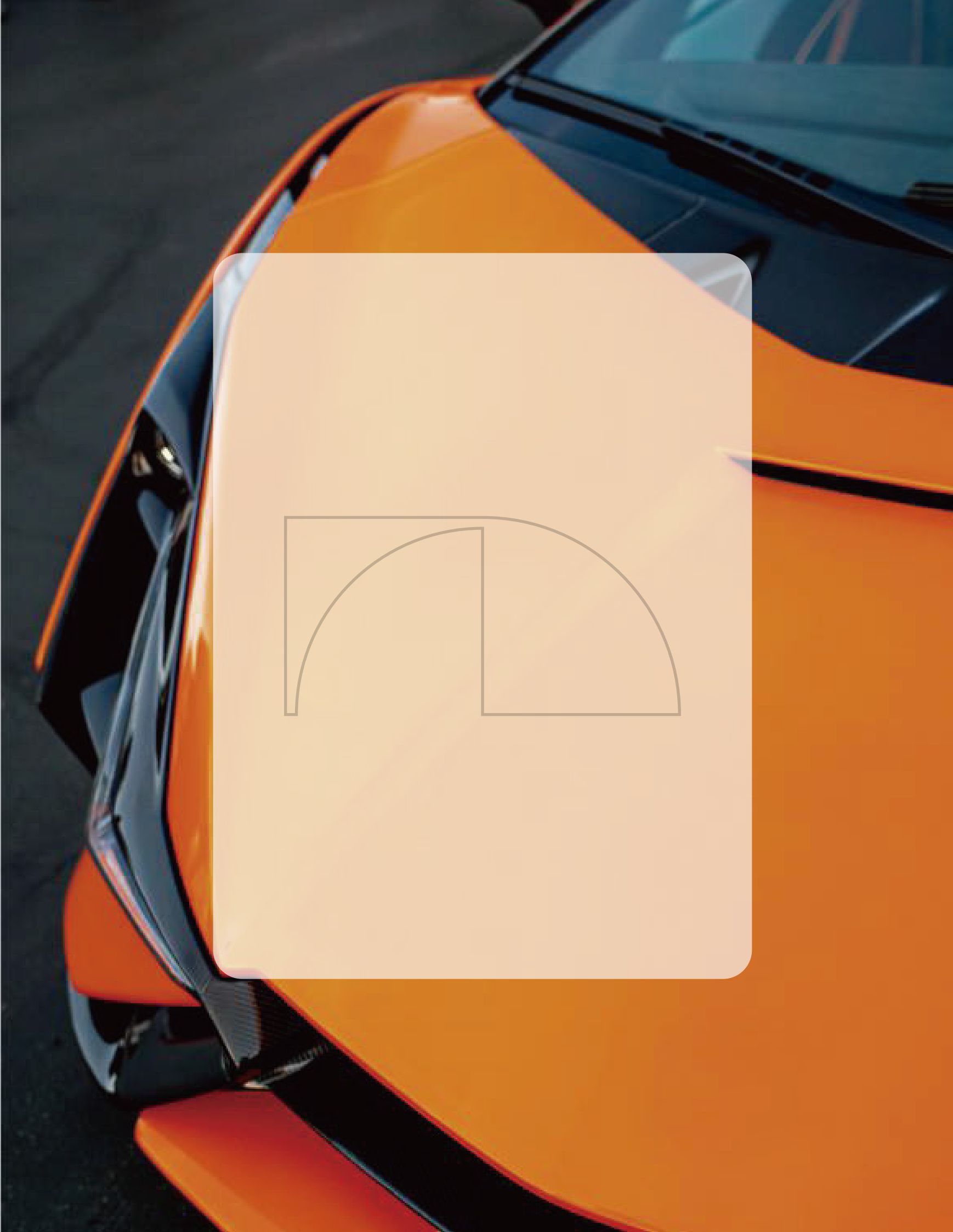
NPP50T65 series

It is anti-stain, yellowing resistance mainly
Bright finish transparent protective film
Excellent for water and self-cleaning ability
Protect your car from natural alkaline substances
Escort you in any environment

Paint protective film product parameters

Transparent highlighting increases brightness without scratches
Automatic repair corrosion-resistant, stain-resistant and scratch-resistant

DATA NAME	NPP50T65
Thickness(mil)	6.5mil
High Temperature	240 Fahrenheit
Antifouling Function	≥92%
Repair Function	95%
Yellowing Possibility(Years)	5Y≤10%
Scratch Proof	93%
Quality Guarantee Period(Years)	7Y



PRODUCT LINE
PAINT PROTECTION FILM

NPP50T75 Series

In addition to anti-scratch, anti-yellowing,
automatic repair and other functions
Its unique bright texture can make your car
More high-end and luxurious

Paint protective film product parameters

Transparent highlighting increases brightness without scratches
Automatic repair corrosion-resistant, stain-resistant and scratch-resistant

DATA NAME	NPP50T75
Thickness(mil)	7.5mil
High Temperature	240 Fahrenheit
Antifouling Function	≥95%
Repair Function	98%
Yellowing Possibility(Years)	5Y≤10%
Scratch Proof	99%
Quality Guarantee Period(Years)	7Y



NPP50T85 / NPP50T100 **Series recommended models**

Recommended models: Audi A6, Hongqi H9, BMW 7 Series,
Maybach S-Class, Lexus RX, Porsche 718, Elfa, Cadillac LYRIQ
Rave, Aston Martin DBX, Volvo XC90.....



PRODUCT LINE
PAINT PROTECTION FILM



Paint protective film product parameters

Transparent highlighting increases brightness without scratches
Automatic repair corrosion-resistant, stain-resistant and scratch-resistant

DATA NAME	NPP50T85
Thickness(mil)	8.5mil
High Temperature	240 Fahrenheit
Antifouling Function	≥97%
Repair Function	100%
Yellowing Possibility(Years)	5Y≤8%
Scratch Proof	99%
Quality Guarantee Period(Years)	7Y



PRODUCT LINE

PAINT PROTECTION FILM



Paint protective film product parameters

Transparent highlighting increases brightness without scratches
Automatic repair corrosion-resistant, stain-resistant and scratch-resistant

DATA NAME	NPP50T100
Thickness(mil)	10mil
High Temperature	240 Fahrenheit
Antifouling Function	≥99%
Repair Function	100%
Yellowing Possibility(Years)	5Y≤6%
Scratch Proof	99%
Quality Guarantee Period(Years)	7Y



PRODUCT LINE

PAINT PROTECTION FILM

NPP50T100

shield spirit flagship store series NPP50T100

The environment is in danger, and the car needs to be protected

The flagship product makes the paint protective film simpler and more efficient to protect your new car and always maintain excellent condition; The ultra-thin, durable and almost invisible NPP50T100 is suitable for all vulnerable parts of the vehicle surface. The product has passed the international standard QUV detection value of <2 , which can ensure the color change value of <0.5 in 7000 hours, effectively controlling the yellowness of the paint protective film.

The film coating is independently developed by Nakamichi, an original ultra-yellowing resistance, continuous thermal repair coating, are an innovation of traditional paint protective film. The TPU material has advanced self-repair performance, outdoor durability of up to 10 years, all unknown factors on the body paint damage will be easily managed.

NPP50T100 features high elasticity, high scalability, high toughness, high weather resistance and corrosion resistance.



Five steps to a new service

Sales link

Reception demo process transaction

Construction link

Clean and protective cutting film edge self-test

After Sales Service

After-sales policy After-sales treatment standards

Reception link

Vehicle inspection The owner confirms the vehicle information

Delivery link

Car owner inspection warranty upload delivery ceremony

Paint protective film product parameters

Transparent highlighting increases brightness without scratches
Automatic repair corrosion-resistant, stain-resistant and scratch-resistant

DATA NAME	THICKNESS(MIL)
NPP50T65	6.5mil
NPP50T75	7.5mil
NPP50T85	8.5mil
NPP50T100	10mil

