

Who we are

Shenzhen Fortune Core Technology Industry & Trade Co., Ltd dedicates itself to R&D, manufacturing and sales of conductor and nanofiber materials as well as related technologies and covers its business in China, Europe, Asia and other regions around the world. Fortune Core is committed to expanding international business scopes and seeking deep cooperation with global clients. All commodities and services are Cert-compliant by regional or global authorities as well as qualified delivered.

Fortune Core gradually broadens channels since establishment and has been involved in conductors including wires, coils, tinsels, nanofiber raw materials, ear loops, nosewise as well as other accessories for manufacturing of protective devices in North America, Europe, Southeast Asia, etc., all of which are local standard compliant. Fortune Core continuously improves international operation standards and adjusts strategies during the covid 19 epidemic period in order to minimize the impact. We not only guaranteed the delivery efficiency through pre-arranged plans, but also optimized the whole service line. Fortune Core passed the global stress test and kept turning the challenges into opportunities.

- **ForPolymer**, Nanofiber raw material and Nanofiber products
- **ForDuctor**, Series of conductors including wires and coils
- **ForLab**, Materials under R&D of Fortune Core's Lab
- **ForIndustry**, Industrial product line

Contact Us

407-212# Haicheng Rd, Yuye Community,
Baoan District, Shenzhen, Guangdong, China

Web: www.ftncore.cn
www.ftncore.com

Email:
business@ftncore.com
service@ftncore.com
support@ftncore.com
market@ftncore.com



FORTUNE CORE

NO.: FtnCore-Business-External-004-EN



Fortune Core

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Products

FORDUCTOR

Wires & Coils



ForDuctor conductor series with various types wires and coils offered by Fortune Core prioritize the customer's requests and concerns including bare copper wire, tin-plated copper wire, silver-plated copper wire, bare copper alloy wire, bare silver alloy wire, bare tin alloy wire, silver-plated alloy wire, oxygen free copper wire, nickel chromium alloy copper wire, enameled copper wire, enameled alloy wire, and all kinds of coils, voice coils and other industry related coils products etc.



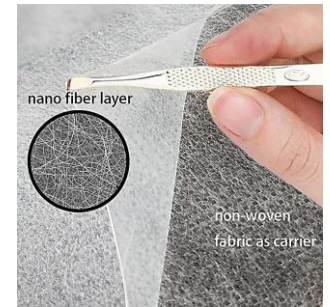
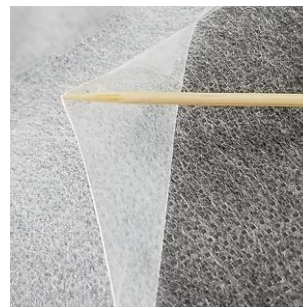
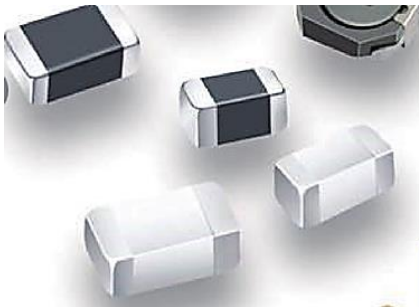
Nanofiber raw materials & products

FORPOLYMER



Fortune Core ForPolymer Nano series specializes in R&D of electrospinning technology, air filtration and purification materials as well as their manufacturing and sale. With owned plants and workshops for large-scale patented electrospinning and purification manufacturing system NanoTech series has gradually formed a comprehensive enterprise standard operation process and distribution channels.

Our research and development teams are making great progress in solutions for personal and professional use including facial treatment masks, sanitary items, room cleaning and filtration items of specific medical applications.





Milestone

MUTUAL COOPERATION, BENEFITS GROWTH AND WIN-WIN SITUATION

2007/03/15
Enameled wire trading
kicked off

2012/06/06
Plant establishment for
voice coil production

2013/08/08
Plant expansion for voice
coil production capacity

2015/01/01
Plant establishment for
enameled wire production

2017/09/09
Nanomaterial R&D
laboratory establishment

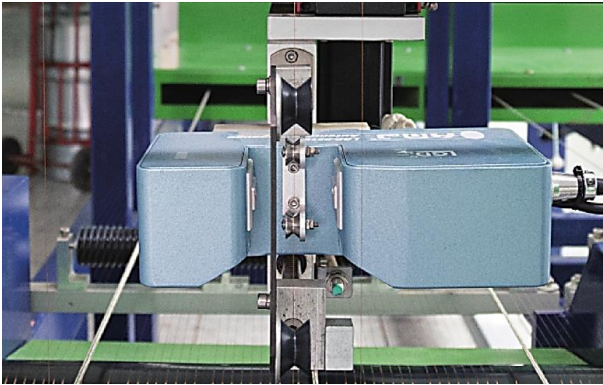
2019/10/22
Plant establishment for tinsel
Wire production

2020/03/15
Plant establishment for
nanofiber material
production and scale
production realization



Acquaintance

Stay hungry, stay foolish, stay humble



*cutting-edge Technology R&D
core materials Production*

Keep researching and developing



Where we begin

Established in 2007 Fortune Core initial team devoted itself to the development, production, and technical support for various of high-quality electrical conductors and inductors including particular self-adhesive enameled wires and coils, alloy signal wires etc. that are widely used in industries among headphones, speakers, high bending resistant cables and other professional fields. At the same time Fortune Core started to keep expanding production line, forming experienced research and development team, and improving quality management.

In 2017 Fortune Core stepped into Nano fields and established a R&D team to focus on business growing through leveraging the leading-edge nanotechnology. An electrospinning R&D laboratory was set up for the development of nano fiber air filter material and realized the large-scale production late in the same year. The nano fiber air filter material will be used in personal and professional protective equipment, such as virus and dust filter and air purifier. The huge progress of electrospinning R&D laboratory in Fortune Core increased the reputation as well as gained great support and recognition from both government and commercial health organizations.

In 2020 Shenzhen Fortune Core Technology Industry & Trade Co., Ltd (Fortune Core) was founded by integrating R&D team, manufacturers, plants, supply chain channels and other resources. At present Fortune Core has built up a mature distribution channel and established business relationship with clients in Europe, America, Japan and South Korea etc. In the meanwhile, Fortune Core also established long-term partnerships with clients and will continually concentrate on development and production of state-of-the-art materials and keep looking forward to growing and developing with our partners and customers.

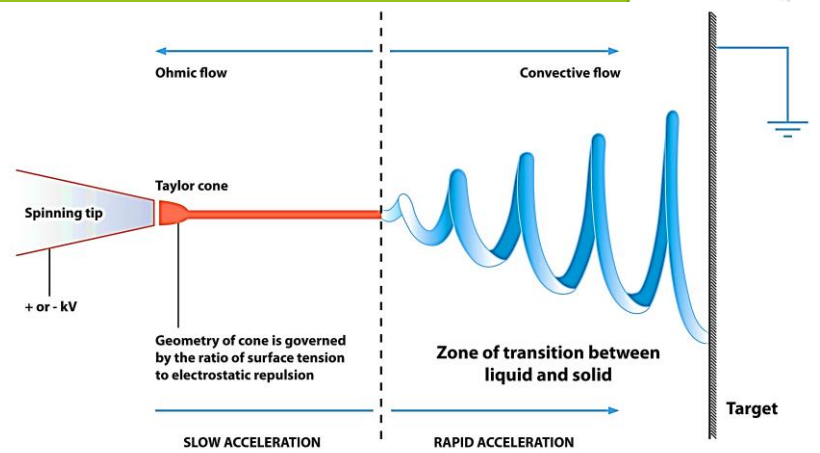
Academic R&D



The outbreak of COVID-19 has triggered great global public health concern. Face masks are essential tools to reduce the spread of SARS from human to human.

Filters composed of ultrafine fibers with diameter down to tens of nanometers have the potential to physically block viruses. With adjustable composition and nanostructures, the electrospun ultrafine fiber filter is possible to achieve other necessary functions beyond virus blocking, such as antiviral, permeable, and degradable, making it an important part of fighting the epidemic.

Fortune Core team together with Khalifa University Researchers led by Dr. Shadi Wajih Hasan develop 'Biodegradable' and 'Biocompatible' Environ-Friendly Anti-Viral Adaptive Face Mask named NAVAMASK manufactured by Shenzhen Fortune Core Technology Industry & Trade Co., Ltd. Find more detailed info on official site of Khalifa University <https://www.ku.ac.ae/navamask>.



The NAVAMASK is a sustainable and environmentally friendly facemask made with bio-based polymers that can be composted and integrated back into ecosystem. Available as either a reusable or a one-time disposable mask.

Made by electrospinning bio-based polymers into ultrafine fibers, and applying a coating of antimicrobial compounds extracted from medicinal plants known to be effective against bacteria and viruses, NAVAMASK blocks viruses, dust, haze, smoke, automobile exhaust, and more.

The NAVAMASK is designed to protect us from both the spread of viruses and the negative environmental impacts of commercially available plastic-based facemasks.

BIODEGRADABLE

- World's first FFP2 face mask based on PLA material

- New Gen of 3D ergo design
- Simple and dynamic with smooth modern pattern

SMART DESIGN

EXCLUSIVE TECHNOLOGY

- Bring electrospinning technologies out of the lab
- From prototyping and testing to mass

- Higher filtration efficiency
- Lower resistance
 - Washability

TERRIFIC PERFORMANCE



Compliance

US
NIOSH STANDARDS
N90/N95/N99/N100

CHINA
GB2626-2019
KN90/KN95/KN100
GBT 18801-2015
GBT 6165-2008
GRADE II STANDARD FOR ANTI-SMOG

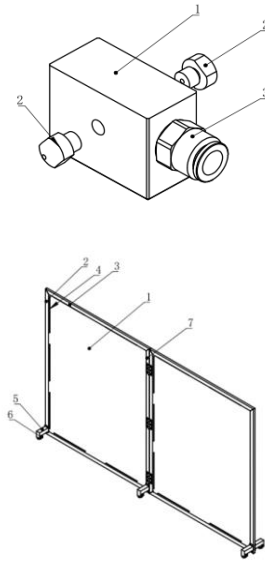
EUROPE
EN149-2001+A1-2009
EN14683
FFP1/FFP2/FFP3

TESTING STANDARD AND CONDITIONS
US TSI 8130A EQUIPMENT

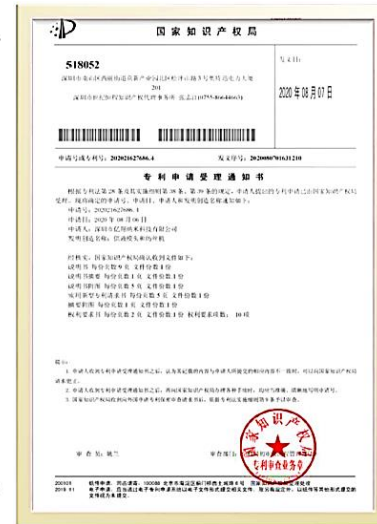
NaCl/DOP particles
PARTICULATE CARD VALUE
PARTICULATE CCM VALUE

LABORATORY STANDARD TESTER
INTEGRATING SPHERE
TRANSMITTANCE TESTER

ROHS
ISO 9001
ISO 14001
MINISTRY OF COMMERCE CREDIT-CERTIFIED ENTERPRISE



Patent



QUALITY CONTROL

1 TEST EQUIPMENT
We use two test machines to check the filter efficiency of our nano fiber materials.

2 VISCOMETER & SOLUTION MIXING
Test with oily equipment. Use 95L/min flow and oily particulate matter

3 SCALES AND PUMPS
The gram scale is used to measure gram weight per square centimetre.

4 EFFICIENCY TEST
Smoke/breathable test chamber. Smoke will not pass through good materials



We Mastered **EXCLUSIVE** Formula And Skills Of Electrospinning Nano Fiber



Company Culture

We value every request

Dedication and growth,
win-win cooperation

commitment:
responsible
for the clients,
for the products
for the society.

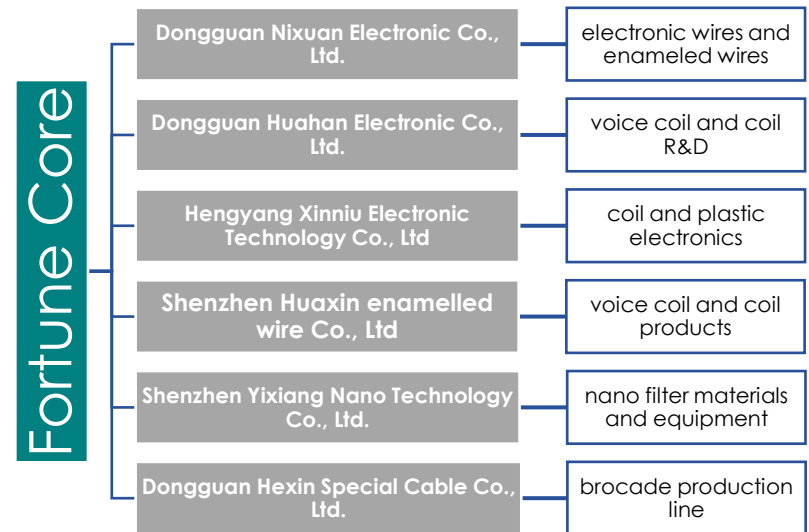
Mission,
cutting-edge Technology R&D, core materials
Production, common wealth building

Vision,
strive to be industry leader, endeavor to be field
model

Value,
diligence in R&D, mastery of manufacturing, loyalty
to quality internal Sincerity and external Trust



Organization



Goal

We dedicate ourselves to the R&D, production and trade of high-tech production materials and value the mutual cooperation, benefits, growth and win-win situation between the company, employees and customers. We kindly welcome international business opportunities to build a secure, clean and wonderful world together. Share the world by showing real nanofiber and conductor material to make the world healthier and more connective and provide values together with customers, employees, shareholders, and partners in the long and sustainable pattern.



Plant-Conductor

Huahan Electronics

Possesses 50 more high-precision single axis winding machines, 30 more independent research and development molding machines, and various high-precision testing instruments for serving major speaker and electromechanical manufacturers and has been rated the top ten excellent suppliers for times and become an indirect supplier of giants including Huawei, Dell, Samsung and other well-knowns.

Huaxin enamelled wire

R&D super fine self-adhesive enameled round wires and various self-adhesive flat or square enameled wires.

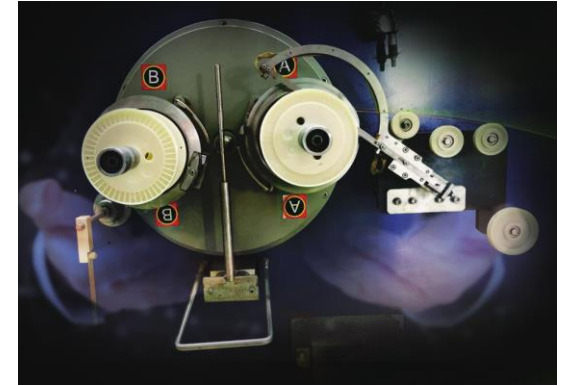
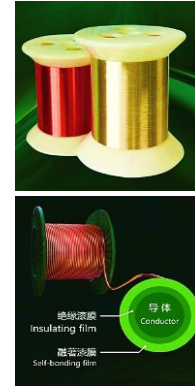
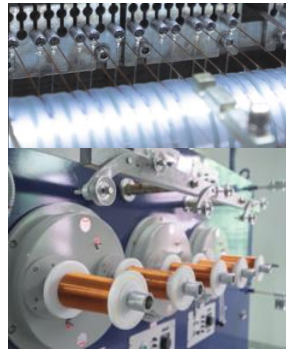


Nixuan Electronic

Dozens of experts and specialists keep researching, developing and manufacturing super fine copper, copper-clad aluminum, silver copper alloy, silver-clad copper and other self-adhesive enameled round wires and various self-adhesive flat or square enameled wires applied in industries including hearing aids, speakers, audio-video instruments and wearable devices and other sophisticated professional fields.

Xinniu Electronic

Engaged in production, marketing, processing and design of voice coil and coil, and plastic electronics.

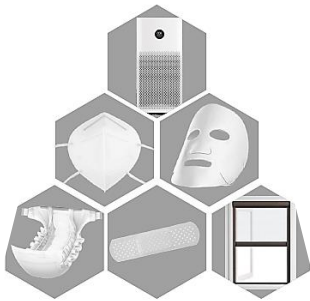


Hexin Special Cable

specializes in R & D, production, sales and customization of special wires, cables and electroacoustic signal conductors. Raw materials come from top suppliers such as FURUKAWA ELECTRIC, KURARAY and DuPont to control quality from the sources. Products cover brocade wire, multistrand tinsel wire, silver or tin plating, strand, flat wire, etc. They are widely applied in electroacoustic industry, wire and cable, electronics, notebook, medical devices, intelligent robots, military industry, communication, automobile and other fields etc.

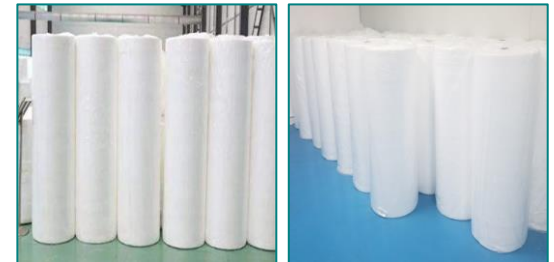
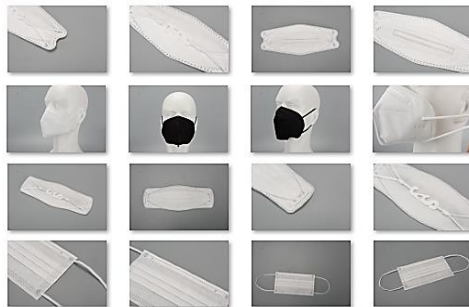


Plant-Nanofiber



Yixiang Nano Technology

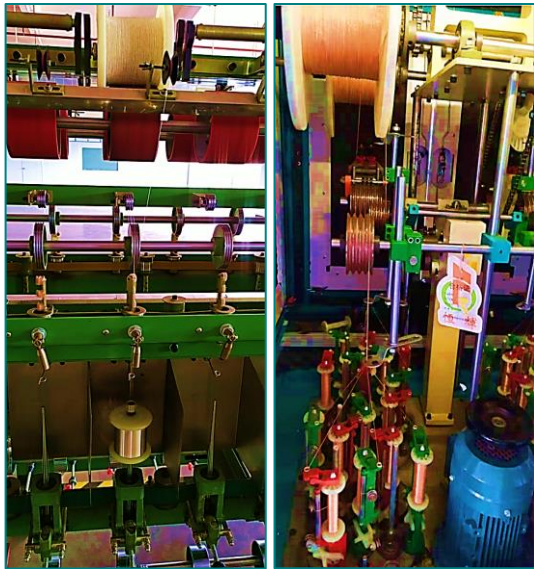
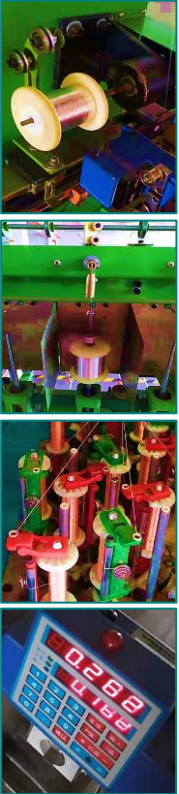
Adopts international advanced nano electrospinning technology for scientific and technological innovation, R & D and application and possessed technical talents engaged in materials, machinery, chemical industry and other majors with prominent experiences. Specializes in R&D of electrospinning technology, air filtration and purification materials as well as their manufactures and sales with owned plants and workshops for large-scale patented electrospinning and purification production system.



Workmanship-Conductor

Calendering, Winding Parallel, Weaving

Extruded repeatedly through rollers produced forces so as to increase the plasticity; Winding at certain speed; Combine two or more monofilaments into one strand, or combine two or more strands into a composite strand so as to form a robust staggered or hooked one.



Instrument

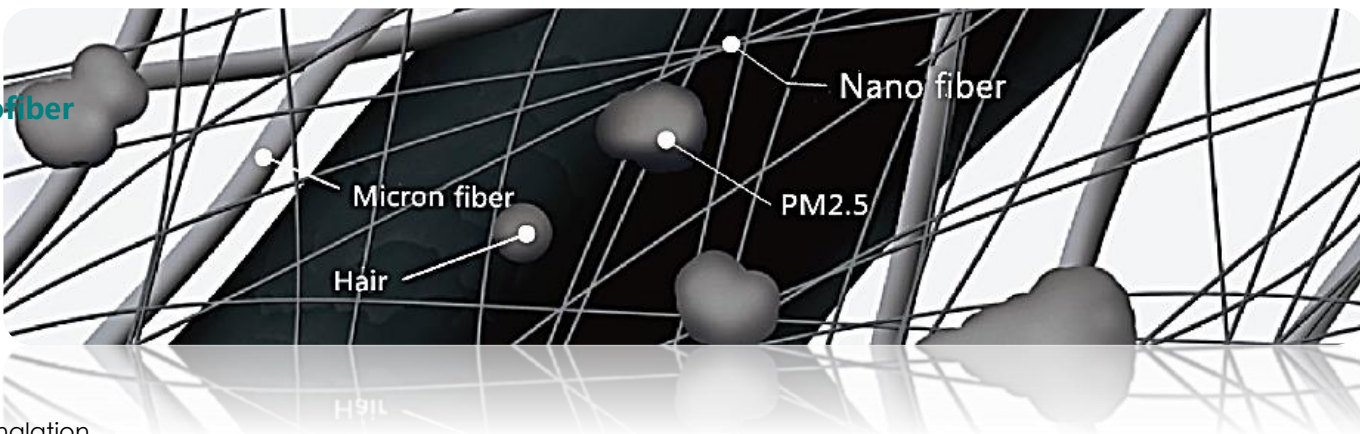
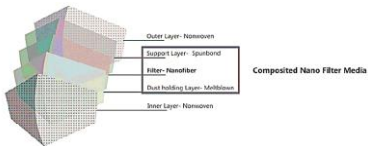
Winding machine,
Forming machine
Molding machine,
Sticking machine
Forming machine
Laser cutting machine
Dimension inspection
Performance testing
Material inspection
Thickness machine

Equipment

Quadratic projector
F0 laser tester
Wire cutting
High speed CNC
CNC engraving milling
Electrical discharger
High speed machining
Carving milling
Salt spray tester



Workmanship-Nanofiber



Pros of Nano-scale fiber,

High Performance

High filtration efficiency, low exhalation and inhalation resistance, Comfortable, Breathable

Cost savings

Save up to 30% of the cost compared with the traditional melt blown non-woven fabrics.

Washable and Reusable

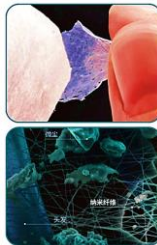
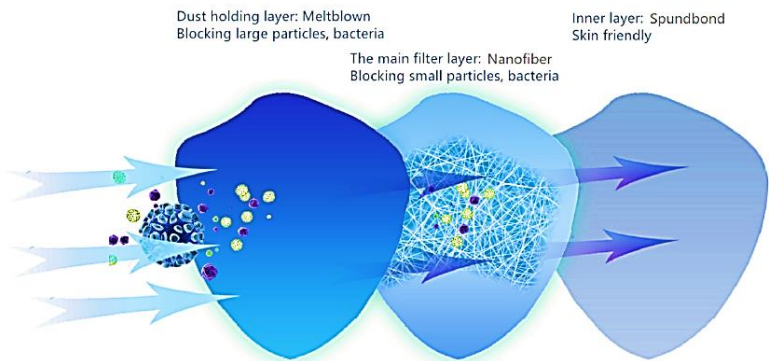
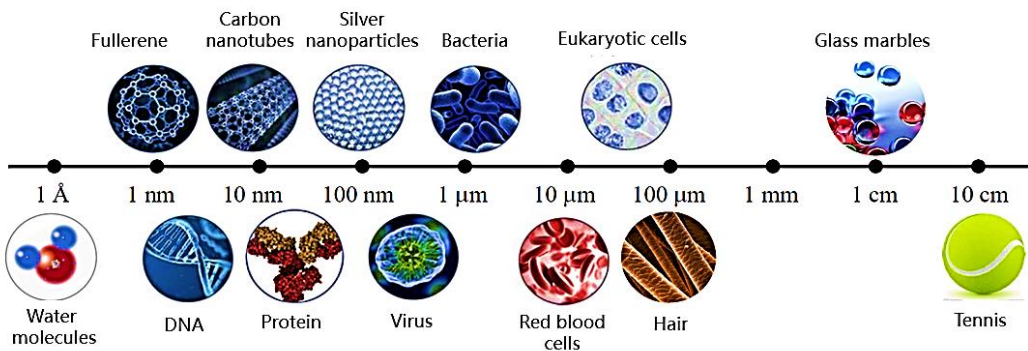
Filter 0.3 um particles physically with diam 0.3-0.5 um Nanofiber.

Customization

Customizable according to specific needs.

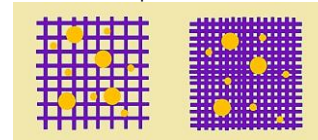
Principle of Nano Spinning,

Methods of producing fibers with a diameter of 50-100 nm by controlling the electric field and stretching the charged strands of polymer solution or polymer melt.

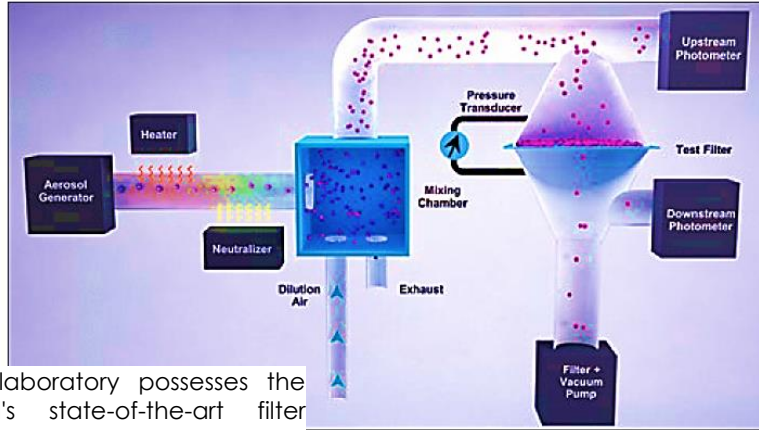


Production Process of nano spinning

1. Polymer is prepared as solution.
2. The solution was stretched into polymer fibers by a 100kV high voltage electric field.
3. 20g-40g spunbond non-woven fabric or other desired material as the carrier.
4. Nano-spinning Rewinding.
5. Compound with fabric as sandwich structure.
6. Finished product.



Inspection & QC



Our laboratory possesses the world's state-of-the-art filter tester TSI 8130A which is the same equipment adopted by US Customs. In China few enterprises are equipped except for some university laboratories.

It is the best solution for testing particulate respirator filters, disposable filtering face pieces, and a wide assortment of filter media. It offers higher sensitivity and resolution - up to 99.9999 percent efficiency.

TSI 8130A oil test
 Test Flow: 32L/min 95L/min
 Test Medium: 0.3µm DOP oil-based particles

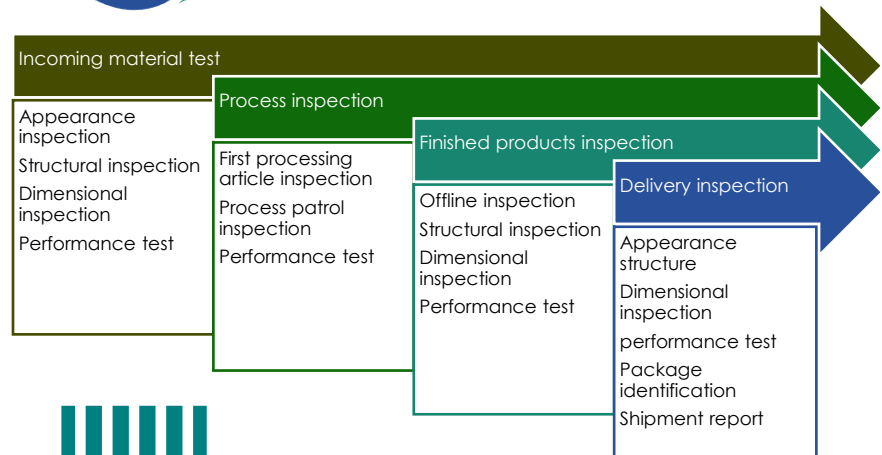
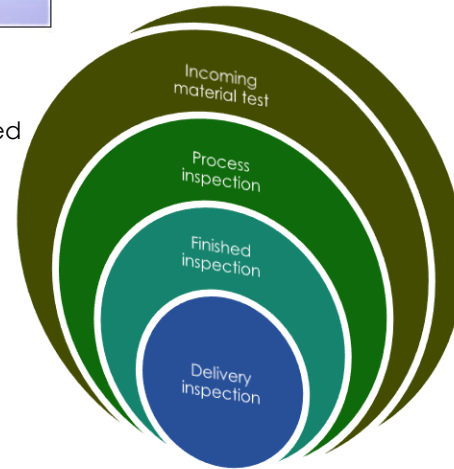
Eu standard,
 EN149-2001+A1-2009

Korean Standard,
 KF94

TSI 8130A NaCl test
 Test Flow: 32L/min, 85L/min
 Test Medium: 0.3µm NaCl non-oil-based particles

American Standard,
 N95 masks: NIOSH 42CFR84
 Medical masks: ASTM F-2100-2019

Chinese Standard,
 KN95 masks: GB2626-2019
 Flat masks: YY 0469-2011
 Medical masks: GB 19083-2010
 Kids masks: GB/T 38880-2020



ForDuctor Series

Enamelled



Tinsel



Coil



ForDuctor is one of the sub-series from Fortune Core which focuses on Conductor related products.



Enamelled enameled particular self-adhesive alloy signal wires, customized enameled wires.

Tinsel bare copper wire, tin-plated copper wire, silver-plated copper wire, bare copper alloy wire, bare silver alloy wire, bare tin alloy wire, silver-plated alloy wire, oxygen free copper wire, nickel chromium alloy copper wire, customized tinsel wires etc.

Coil coil, Voice coils, customized coils, various coils compliant to specific fields etc.

ForDuctor Conductor Catalogue



ForPolymer Series

NanoCore



Spunbond



Non-woven



ForPolymer is one of the sub-series from Fortune Core which focuses on Nano related products.

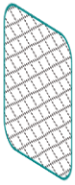

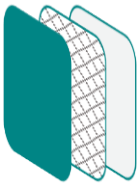
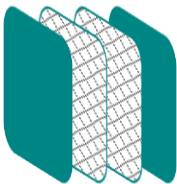
ForPolymer NANO Catalogue

ForPolymer nanofiber raw materials
ForPolymer nanofiber finished products

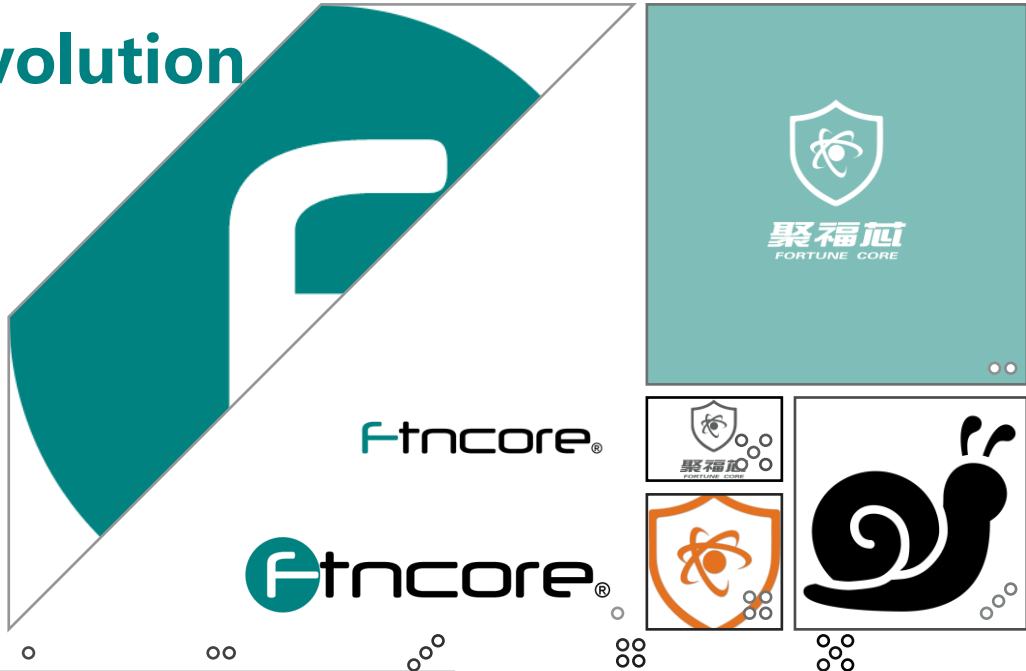
accessories include but not limited to ear loops, nosewise etc.
other personal protective facepieces

anti-haze window screens
HEPA filters
cosmetic masks
fruit bags

comprehensive supports including product certifying, production line testing, quality inspection and other related services etc.

<p>Tier 1 ForPolymer NanoCore</p>		<p>ForPolymer NanoCore needs one spunbond ply as carrier to form ForPolymer Nanofiber.</p>
<p>Tier 2 ForPolymer Nanofiber</p>		<p>ForPolymer Nanofiber with one spunbond ply as carrier is one physical layer.</p>
<p>Tier 3 ForPolymer Nanofiber Composite</p>		<p>ForPolymer Nanofiber plus one more non-woven fabric layer to form desired pieces.</p>
<p>Tier 4 ForPolymer Nanofiber2 Composite</p>		<p>Doubled ForPolymer Nanofiber composite.</p>

Evolution

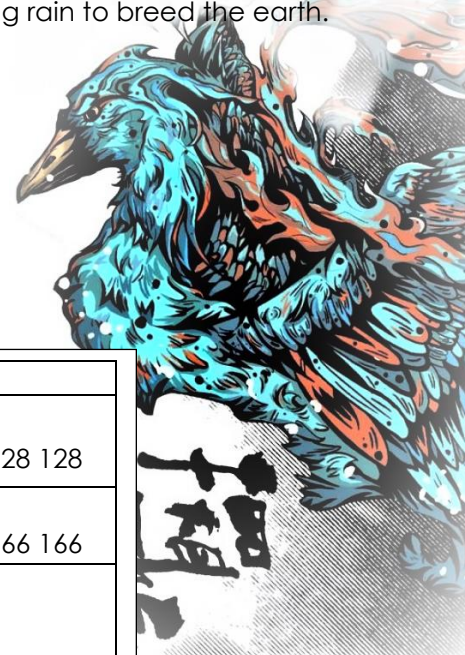


TEAL

Phoenix which named "FengHuang" in Chinese is the king of birds in ancient Chinese legend. It lives with heaven and earth. The sun, moon and stars hide Taiji Yin and Yang. The male is the "Feng" and the female is the "Huang". The Phoenix gave birth to nine nine young birds including the Teal.

TEAL is the strongest of them all.

TEAL is one of the five divine birds with water and blue as attribution. It looks like a wild goose with up to three feet long huge body. It often inhabits on the shore of the sea and is good at distributing rain to breed the earth.



Basic colors: ○ ○○ ○○○

Color	HTML / CSS Name	Hex Code #RRGGBB	Decimal Code (R,G,B)
Black	Black	#000000	(0,0,0)
White	White	#FFFFFF	(255,255,255)
Red	Red	#FF0000	(255,0,0)
Lime	Lime	#00FF00	(0,255,0)
Blue	Blue	#0000FF	(0,0,255)
Yellow	Yellow	#FFFF00	(255,255,0)
Cyan / Aqua	Cyan / Aqua	#00FFFF	(0,255,255)
Magenta / Fuchsia	Magenta / Fuchsia	#FF00FF	(255,0,255)
Silver	Silver	#C0C0C0	(192,192,192)
Gray	Gray	#808080	(128,128,128)
Maroon	Maroon	#800000	(128,0,0)
Olive	Olive	#808000	(128,128,0)
Green	Green	#008000	(0,128,0)
Purple	Purple	#800080	(128,0,128)
Teal	Teal	#008080	(0,128,128)
Navy	Navy	#000080	(0,0,128)

At the beginning of establishment Fortune Core adopts the Shield shape as company logo and then followed by Snail logo and turn to flat nameplate in 2021 to focus on business core and adopts teal blue as our key tone. What remains unchanged is the spirit of moving forward and earnest. Haste makes waste as we don't seek going fast but every step counts.

	TEAL RGB 0 128 128 #008080	聚福芯	RGB 128 128 128
富藤柯尔	Conductor	FORTUNE	RGB 166 166 166
FTNCORE	NanoFiber	FORDUCTOR	
		FORPOLYMER	

Geographical advantages

Location

Located in Qianhai, adjacent to Hong Kong and Macao, also in the center of the Pearl River Delta and the Great Bay area of Pearl River, Hong Kong and Macao.

Hub

Central hub of business flow, information flow, logistic flow, capital flow and service in China and even the world.

Promoting

Owes world-class infrastructure and provides the best logistics, information, technological, professional and public services.

The world's Qianhai

The development and construction of Qianhai, with a total area of 120.56 square kilometers, are an important measure to support Hong Kong's economic and social development, improve the level of cooperation between Shenzhen, Hong Kong and Macao, and build a new pattern of opening to the outside world. It is of great significance to promote the construction of Shenzhen, Hong Kong and Macao Bay area, support Shenzhen in building a leading demonstration area.

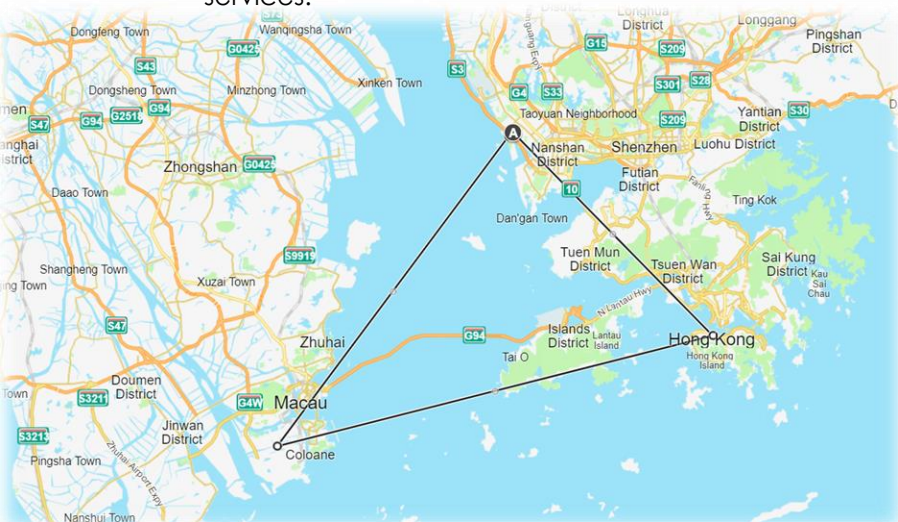
The world's Fortune Core

On September 6, 2021, the plan for comprehensively deepening the reform and opening up of Qianhai was released. Qianhai cooperation zone will build a high-level portal hub for opening to the outside world.

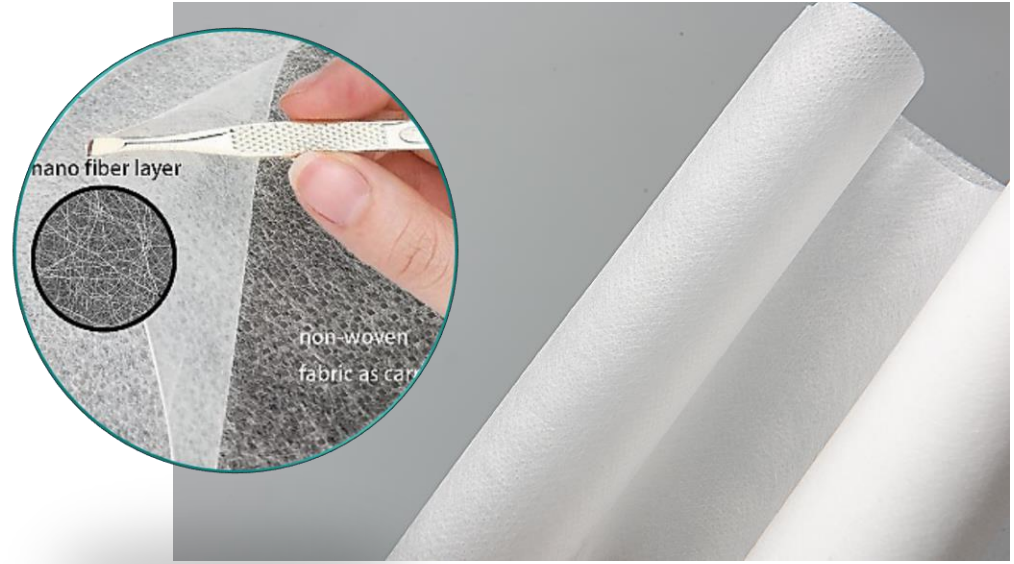
Not only did Fortune Core choose Qianhai, but also Qianhai chose Fortune Core. Through the complete Pearl River Delta supply chain cluster and well-infrustrated water land, land and air port services, Fortune Core will provide customers with the most convenient and high-quality services.



Fortune Core is located in the center of the Bay Area.



For Polymer



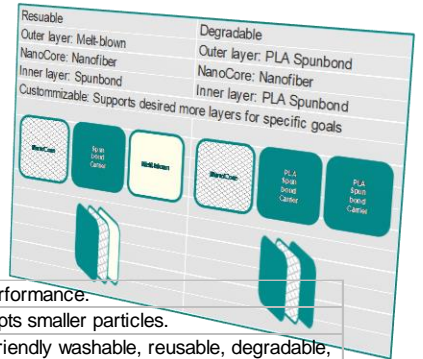
Mask filter Raw material

The most common mask material on the market is made from melt blown non-woven while Fortune core is committed to the application of nano-materials in facial filtration.

Bio-based: Polylactic Acid (PLA) Optional i.e. The Environment-friendly Plastic is preferred to meet better environmental protection standard. PLA is a biodegradable and bioactive polyester made up of lactic acid building blocks and made from renewable, biobased and biodegradable feedstocks like corn, sugarcane, sugar beet and cassava.

Advantages of nano material

- Higher filtration efficiency and better bacteria filtration interception effect.
- Lower inhaling resistance, comfortable and breathable.
- Washable, reusable and more environmentally friendly
- Degradable, compostable
- Conform to industry, international and regional certification



Advantages against traditional melt-blown:	1. Nanofiber provides superior performance.	
	2. Nanofiber denser mesh intercepts smaller particles.	
	3. Nanofiber supports more eco-friendly washable, reusable, degradable, compostable options.	
	4. Nanofiber is more stable effective with little reduction in filtration efficiency due to mechanical principle.	
	5. Nanofiber is highly customizable for various specific purposes.	
Diameter scale:	Melt-blown 1-10 μm	Nanofiber 300-500 nm <i>1μm(micron)=1,000nm (nanometer)</i>
SEM:	 Dust is attached to fiber by electrostatic power.	 Dust is filtered by mechanical structure, rather than temporary static electricity.
Filtration:	Melt-blown Electrostatic adherence filtration and requires electrets and dielectric process with long-term charge storage.	Nanofiber Nanofiber is characteristic of physical filtration (AKA Mechanical filtration) with uniform pore size distribution, small average pore size and large porosity to filter particles. More effective for PM2.5, bacteria, germs and viruses down to 0.1μm.
Aperture:	High less intercepting particles	Small Dense mesh with more intercepting smaller particles.
Porosity:	Lower	High and more permeable
Breathability:	Thick fiber and higher aperture result in internal and external air conflict which leads to breathing difficulties with less air inhaling and exhaling.	Superfine pores, lower aperture and solid stable structure bring excellent permeability and comfortable use.
Resistance:	High	Lower and more comfortable and breathable

	Melt-blown-PLA	Nanofiber-PLA
Description:	In addition to the above advantages, more specific advantages in PLA.	
Degradable:	N/A	GB standard of degradable
Initial Efficiency:	BFE95	BFE99/PFE99
After pretreatment:	BFE60	BFE98/PFE98
High temperature:	Badly deformed	No impact
		GB treatment of temperature High 70°C / Low -30 °C
High humidity:	Electrostatic loss	No impact
		CE/GB treatment of 85% humidity



Air filter Raw material

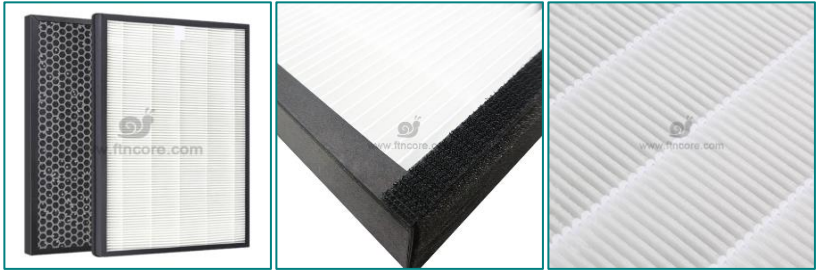
Fortune core has developed filter suitable for auto and household air purifiers due to high efficiency and low resistance of nano materials,

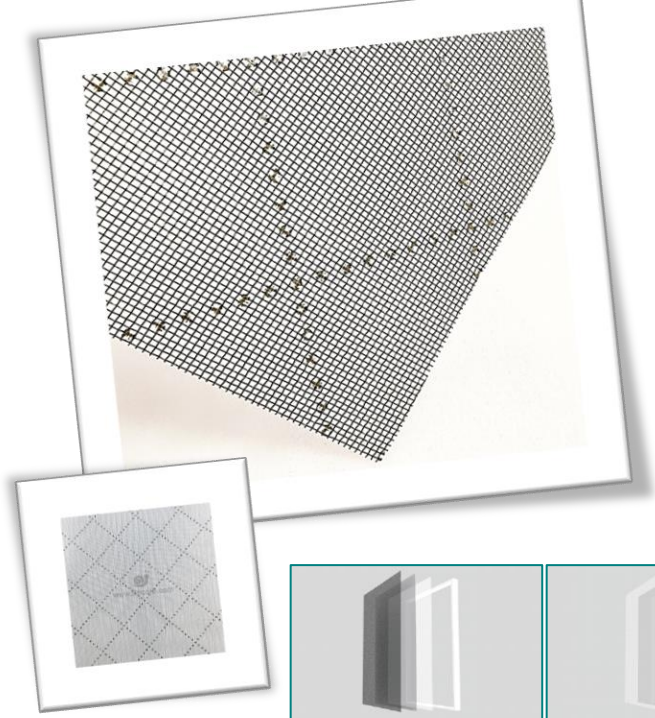
- High CARD value of particulate matter
- High CCM value of particulate matter
- Washable, reusable and more environmentally friendly
- High temperature and humidity tolerance

Construction

Nanofibers and frames are integrated to construct filters with different various specifications. Antibacterial and anti-allergic substances can be added to the nanofibers to adjust filter's application purpose with specific better protection ability.

Catalogue:	For Polymer Air filter raw series		
Type:	Air filter Nanofiber material roll		
Color:	White	Optional	
Washable:	Reusable:	Yes	
Degrable:	Compostable:	Optional	
Standard:	EN779		
	EN1822		
	GBT 18801-2015		
	GBT 6165-2008		
	Customizable:	Fortune Core provides assistance to certify standards.	
	Test Conditions	32L/min, 100CM ² , NaCl 0.3µm Particulate	
Model:	Weight	Filtration efficiency (%)	Resistance (Pa)
Nano-H10	65±3	≥90%	20±3
Nano-H11	65±3	≥95%	20±3
Nano-H12	65±3	≥99.5%	20±3
Nano-H13	65±3	≥99.97%	20±3
Nano-H10-SL	70±3	≥90%	20±3
Nano-H11-SL	70±3	≥95%	20±3
Nano-H12-SL	70±3	≥99.5%	20±3
Nano-H13-SL	70±3	≥99.97%	20±3





Windows screen Raw material

Fortune core developed the application of nano materials in window screen due to high efficiency and low resistance of nano materials.

Household

Indoor air clean. In season with haze and pollen , it suits for family protection and effectively filter pm2.5 particles, pollen and bacteria.

Commercial

Rest area screen of hotels and institutions as well as large dining room screen.

Medical

Protective screen and nano screen can block bacteria, with an efficiency higher than 99%.

Characteristic

- Better light transmittance.
- High filtration efficiency.
- Low air resistance.
- Washable, reusable, more environmentally friendly.

Construction

Screen window + nanofiber + wired netting
 Nanofiber provides efficient protection and high air permeability.

standard

GRADE II for anti-smog window screen.

	Nano L Pinzun Series	PureWhite Prestige Series	
0.3µm particulate matter filtration efficiency (%)*	70±10	70±10	
2.5µm particulate matter filtration efficiency (%)**	70±10	70±10	
Resistance (Pa) *	8±5	8±5	
Light transmittance (%)***	45±10	60±10	
	*TSI 8130 Standard Test		
	** Laboratory Standard Tester		
	*** Integrating Sphere Transmittance Tester		
		Resistance	
Competitors	0.3µm Efficiency	PM2.5 Efficiency	Transmittance
Porous membrane	0.80%	54.00%	22 40.50%
Static adsorption	0.00%	20.00%	0 53.00%
Static adsorption	5.20%	37.00%	0 31.00%
Nanotechnology	4.65%	28.00%	1.5 22.00%
Nanotechnology	15.00%	59.00%	18 9.00%
ForPolymer L	70.00%	98.50%	15 60.00%
ForPolymer S	55.00%	71.00%	6 50.00%

Cosmetic Raw material

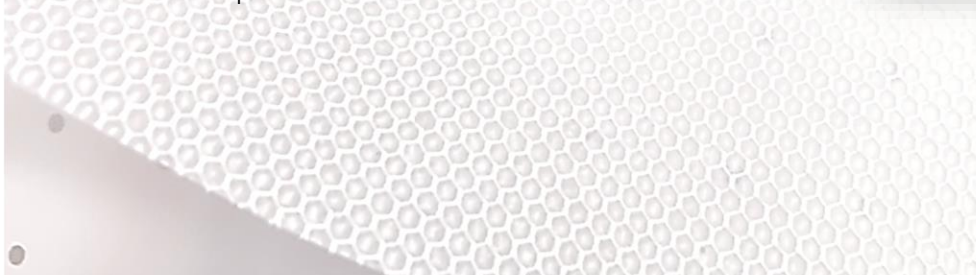
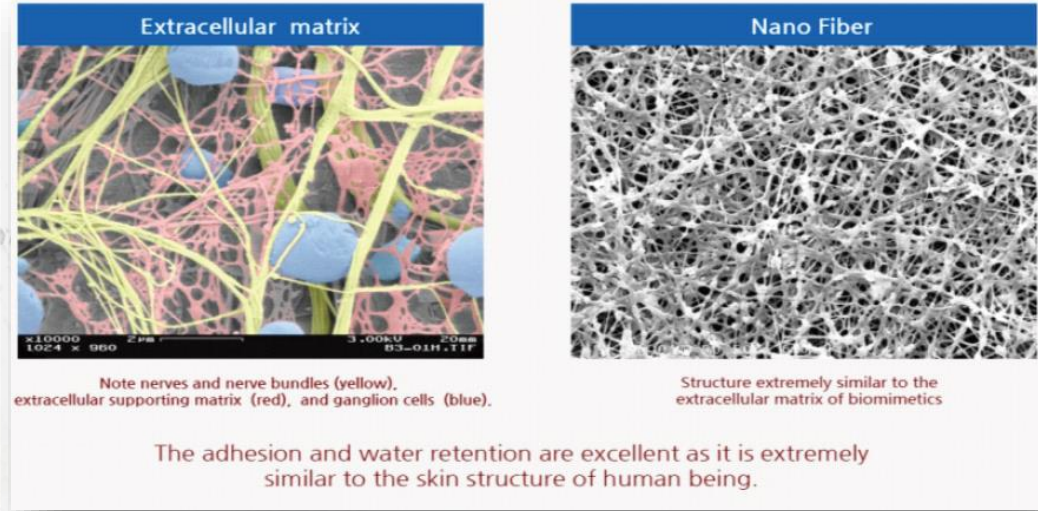
Fortune Core research and development in the field of cosmetics, such as mask by virtue of nanomaterials' high efficiency and low resistance characteristics. Turing the mask essence into nanograde solid fibers as a reaction of traditional mask industry.

Advantages

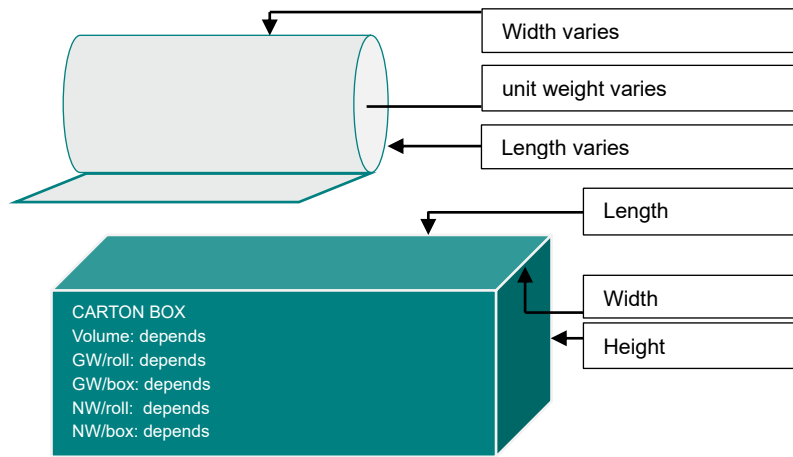
- High purity, no preservatives and additives
- Easy to carry, portability
- Convenience, instant using and time-saving
- Better permeability with nanofiber

Principle

High-quality essence substance for instance, collagen peptide, fibroin, sodium hyaluronate, VC, nicotinamide and other high-efficiency purification substances are mixed into fibers with a wire diameter of thinner than 500 nm through electrospinning process. Then they are compacted into a solid state and quickly dissolved when exposed to water.



Comparison:	Nanofiber	Non Woven Fabric	Natural Silk	Sol-gel
Essence Diameter:	0.3 μm	> 10μm	> 10μm	> 10μm
Absorptive Capacity:	Spinning the essence into nanofibers	Easy dripping	No dripping	Only attached to the surface of the carrier
Absorption Quality:	The whole mask itself	3-5 times	Over 8 times	No more than surface area
Degree of Fit:	Anti-stretching when it's dry Perfect fit when it's wet	Bad fit	Perfect fit	Good fit
Antiseptic content:	None	High	Low	Low
Absorption Rate:	Maximum	Low	Low	Low



Lead time:	Sample	7 days
	Mass production	20 days
Packaging:	Roll	
	Carton box	
Trade term:	FOB preferred	
	Customized	
Port of loading:	Shenzhen	
MOQ:	1000	
Quantity:	1 - 1000	15 days
	1001 - 5000	20 days
	5001 - 10000	30 days
	>10000	To be negotiated
	Units could be kg, pc, mt, m ² etc and the stock may vary accordingly contact us for detailed info	
Disclaimer:	If at any time because of war, hostility, military operation of any character, civil commotions, sabotage, quarantine restriction, acts of Government, fire, floods, explosions, covid 19 related breakout, lockdown, epidemics, pandemic, strikes or other labor trouble, embargoes, and any other matter beyond human control/capability, then the date of any obligation shall be postponed during the time when such kind of circumstances is operative.	
	If operation of such kind of circumstances exceeds three months, either party will have the right to refuse further performance of the related order/contract in which case neither party shall have the right to claim eventual damages. The party that is unable to fulfill its obligations under the present order/contract must within 15 days of occurrence inform the other party of the existence of the termination of the circumstances preventing the performance of the order/contract. Certificate issued by a Chamber of Commerce or any other competent authority connected with the cause in the country of the Seller or the Buyer shall be sufficient proof of the existence of the above circumstances and their duration.	
REFERENCE:	1 according to requirements of industry standards	
	2 according to incoterms 2010	
	3 according to Fortune Core's standard spec criterion	
	4 according to appropriate practical testing result	
	5 measurements without any pre conditioning	
	6 according to ICC practice	
	7 according to Fortune Core's standard packing criterion.	
	8 datasheets and info are subject to change accordingly without notice	



Fortune Core is located in the center of the HK-MC-GD Bay Area.

Accessory

- Customized non-standard products
- Ear loops
- Nose wire
- Ear saver
- Facemask Packaging Film
- Spunbond nonwoven Fabric
- Textile Fabrics, Parts and Accessories
- Meltblown nonwoven Fabric



PLA nose strip



PACKING, DISCLAIMER, REFERENCE

ForDuctor



Parameter:	Value	Unit
Outer diameter:	0.012-1.2mm	mm
DC Resistance:	<4.58	Ω/m
Certificate:	9001	ISO
	14001	ISO

Coil

Coil, in an electric circuit, one or more turns, usually roughly circular or cylindrical, of current-carrying wire designed to produce a magnetic field or to provide electrical resistance or inductance; in the latter case, a coil is also called a choke coil. A soft iron core placed within a coil produces an electromagnet.

Can be applied in the following fields

- Voice coil for cellphone
- Voice coil for notebook
- Voice coil for headphone
- Industrial coil
- Mobile phone acoustic module
- Laptop module
- Headphone module

Shape

- Circle
- Square
- Heterotypic

Classification

- Wireless Charger Coil
- Hollow Coil
- Bobbin Coil
- Antenna Coil
- Miniature Coil
- Trigger Coil
- Customized coil



Tinsel

Highly customized products depending on client's requirements. From pure copper to silver, from silver clad to desired metal clad, from copper alloy to Nickel complex alloy etc. There will definitely exist suitable materials from Fortune Core for you.

Wire workmanship

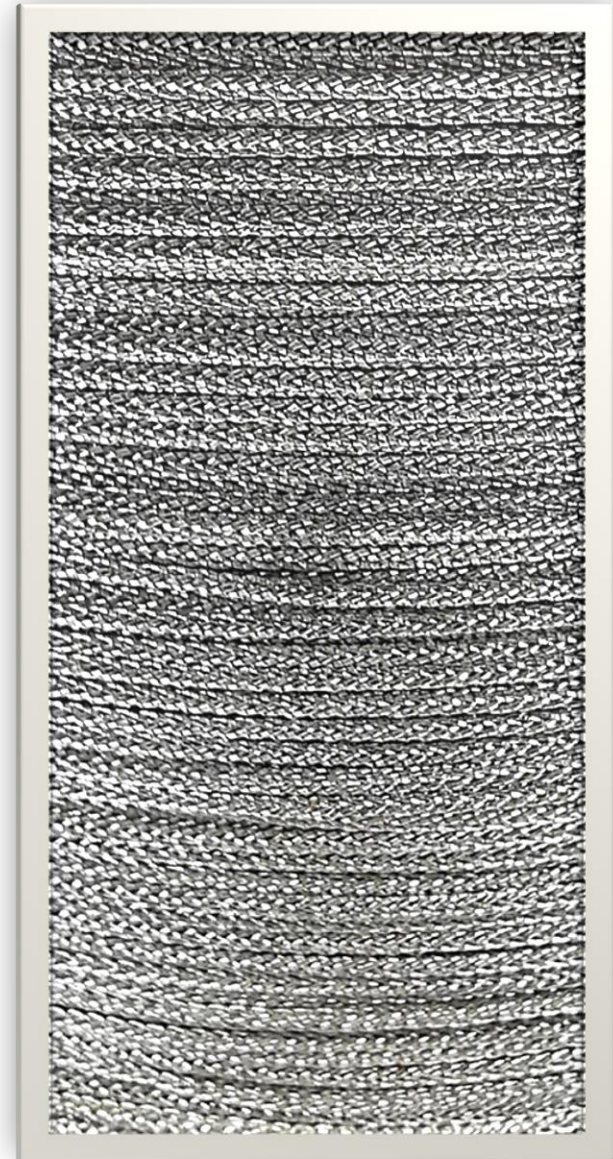
- Stranded
- Braided
- Parallel and winding

Customization

At Fortune Core we mix and optimize for the specific requirements to create different construction structures in order to solve clients' needs with consistent durability and quality. For instance, pre-treatments applied for anti-oxidization, pre-cut & tinned services are available upon request as well.

Conductorcore

There is a central cord made by fiber named conductorcore in the Forductor series. Conductorcore drives the wire strong and durable by selecting sophisticated fiber with well soldering and elastic property. Being wrapped around by thin conductor foil constitutes Forductor tinsel wire.



Tinsel wires

with 1-strand up to 24-strand paralleling wires craftsmanship

Parameter:	Value	Unit
Conductor diameter:	0.025-1.2mm	mm
Outer diameter:	diameter(±10%)	mm
Wire Sheath No.	1	strip
Wire drape direction	Z	Z
Central filament	kevlar	N/A
Braided structure	3 Woven	N/A
Wire Shawl Rcvry No.	(42±2)	turns/10mm
Tensile strength	>2	kg
Resistance	<8	Ω/m
Bending test	>5000	300G(time)
Certificate:	9001	ISO
	14001	ISO
Customizable:	Highly customizable	

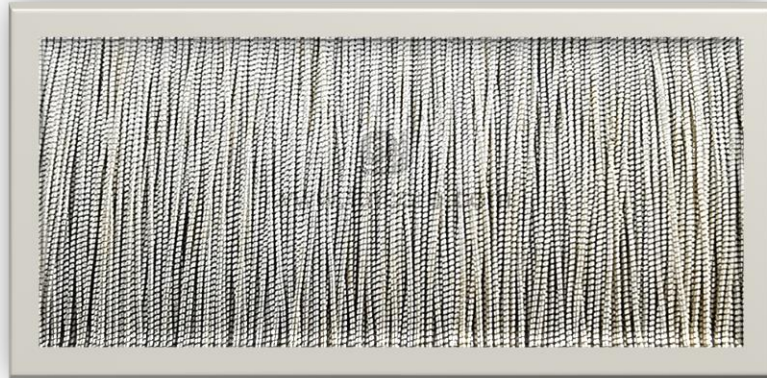


Tinsel wires with Various kinds of craftsmanship

- Silver stranded wire
- Copper stranded wire
- Silver braided wire
- Copper braided wire

- Nickel complex alloy wire
- Silver-copper alloy wire
- Silver-clad Tin-copper alloy wire
- Tin-copper alloy wire





Tweeter king **Tinsel** wire

Tweeter king tinsel wire is designated for higher tweeter frequency with high customizability up to 7 stranded insulated tweeter king wire.

Craftmanship

- Parallel wire
- winding wire

Applied to fields

Speaker voice coil output, Electronics, Laptops, Medical instruments, Electroacoustic (speaker) industry and wire and cable, electronic products, notebook computers, medical devices, intelligent robots, military industry, communication, aerospace and other fields


www.ftncore.com

Features

- Light weight
- Anti-flaming
- Thin outer diameter
- Easy bending and assembling
- Easy soldering
- Anti-oxidation
- Durability and fatigue endurance
- Anti-bird caging



Enameled wire

Enameled wire is often used in magnets, speakers, and electric motors. In place of a plastic or rubber coating, enameled wire is simply painted with a protective coating that often doubles as a flux coating. This eliminates the need to strip the wire free of the coating before soldering it. Copper and aluminum wires can both be enameled, as can round and rectangular wire that is often used in motor winding in order to make the most of the limited space.

Enameled wire is a main variety of winding wire, which is composed of conductor and insulating as well as self-adhesive layer. The bare wire is annealed and softened, painted and baked for times. Enameled wire can be divided into polyester enameled wire, polyester imide enameled wire, polyamide imide enameled wire, polyimide enameled wire, oily paint, acetal paint, polyurethane enameled wire, etc. Sometimes it is also classified according to the particular use, such as self-adhesive enameled wire, refrigerant resistant enameled wire, etc.



Parameter:	Value	Unit
Conductor diameter:	0.039±0.001	mm
Outer diameter:	0.54(±10%)	mm
Insulation:	>4.0	um
Bonding:	>4.0	um
DC Resistance:	<4.58	Ω/m
Elongation:	>7	%
Min tensile strength:	>25	g
Breakdown voltages:	>190	V
Pinhole test(5m):	<12	faults No.
Heat shock:	175°C @0.5hour	born
Cut through:	200°C @2min	born
Solder ability:	390±5°C @2 sec	born
Certificate:	9001	ISO
	14001	ISO
Customizable:	Highly customizable	

Enameled wire

Construction

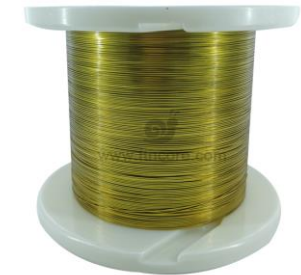
1. Conductor
2. Insulating layer (PU polyurethane)
3. Self-melting layer (PA polyamide)

Fields

- Inductance coil
- Electromagnetic coil
- AC and DC motor
- automotive industry"

Classification

- Super fine enameled wire
- Self-adhesive enameled wire
- Alloy enameled wire
- High tension enameled wire
- Super thick painted film enameled wire
- Fine rectangular enameled Wire
- Super fine rectangular enameled Wire



ForLab

Nano-scaled fruit bag

A fruit bag not only blocks pests but also protects fruit from heat and promote the fruit's growth. Fortune Core is researching the nano-scaled technology that helps the agriculture more efficiency and effective.



Diaper

A piece of absorbent material wrapped around a baby's bottom and between its legs to absorb and retain urine and feces.

Normally the construction is that a linen or cotton fabric woven in a repeating pattern of small diamonds.

Fortune Core is researching the nano-scaled technology that helps babies and infants comfortable without any harm.



Sanitary pad

Which is also known as sanitary napkin or menstrual pad, is a thin pad made of absorbent material that absorbs the menstrual fluid during menstruation. Some sanitary pads are disposable and are meant for single use only. Most sanitary pads available in the market are disposable ones.

Fortune Core is researching the nano-scaled technology that helps female comfortable without any harm.



Advantages

Most sanitary pads are made of soft cotton fabrics that absorb the menstrual blood readily. Disposable sanitary pads are dominant although there is the reusable option which is more affordable but not considered as hygienic as the disposable one.

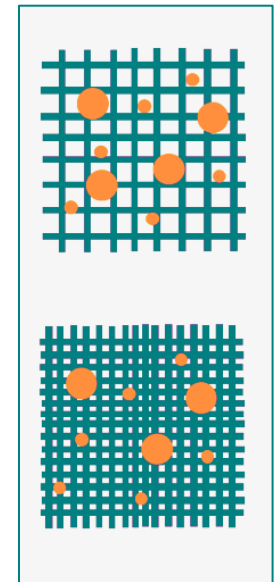
By applying a Fortune Core nanocore inside, menstrual blood does not leak and the pad maintains to keep you in a pleasant and refreshing feel at all times.

Why should I choose a Nano sanitary pad?

Unlike other methods of menstrual engagement, Nano sanitary pads are more comfortable and permeable with less resistance.

With Nano scaled technology and customizable thickness and length there is less itchiness symptom.

Fortune Core is researching the nano-scaled technology that helps female comfortable without any harm.





Aims

Fortune Core ceaselessly seek the most innovative and reliable nanofiber formula for the specific industrial filtration fields.

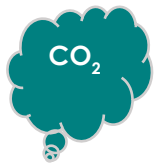
ForPolymer nanofiber can be applied in a wide range of different applications and are available in a variety of environments.

to protect gas turbine blades by improving the filtration efficiency in gas turbine generators and for more effective pulsing by allowing surface filtration,

to improve efficiency and extend lifetime of HVAC,

to enhance of the effectiveness of combustor of automotive engine,

to get involve in the liquid, dust collectors and various other applications to achieve more reliable, permeable and less resistant level.



ForIndustry

ForIndustry AKA for industry

Fortune core is committed to improving product performance and providing research solutions for industrialized large-scale purposes together with R & D institutions, universities and customers.

- **Gas turbine**
A gas turbine is a combustion engine at the heart of a power plant that can convert natural gas or other liquid fuels to mechanical energy. This energy then drives a generator that produces the electrical energy that moves along power lines to homes and businesses.
- **Air pollution control**
Forpolymer Nanofibers and frames are integrated to make filters with different various specifications. Meanwhile, anti-bacterial and anti-allergic substances can also be added to the nanofibers to enable the filters to have better resistance performance.
- **HVAC**
HVAC stands for heating, ventilation, and air conditioning. This system provides heating and cooling to residential and commercial buildings. You can find HVAC systems anywhere from single-family homes to submarines where they provide the means for environmental comfort.
- **Automotive**
Positively ForPolymer nanofiber allows cleaner air to enter the engine, allowing efficient engine combustion and maximum protection against dirt particulates and contaminants. The technology field depends on ForPolymer nanofiber technology combined with customized nonwoven-fabric substrates as a carrier that is developed to complement the nanocore layer.

