



Hangzhou Gelanfeng Technology Co., Ltd.

A leading supplier focusing on graphene R&D applications



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Gridfeng focuses on graphene research and development
Ten years of hard work just to warm your life

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PART 01 Company Profile

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Company Profile

Hangzhou Gelanfeng Technology Co., Ltd. was established in 2011, the company is located by the beautiful West Lake. It is the first graphene-related company in Zhejiang Province. It is a "high-tech enterprise" integrating the research and development, production and sales of macroscopic quantum materials. It has a number of patents of invention, and is the leader in the overall solution in domestic graphene field.

The company is committed to the research, development, production and sales of macroscopic quantum materials. The products concentrate in the preparation and industrial application of various materials based on graphene. Our company's various flagship products "graphene materials", "high-performance, high-quality wearable electronic products" are widely used in various industries. Relying on the strong research and development teams of major universities at home and abroad, for the The company has taken the road of green technology innovation and services, and has laid a good foundation for the goal of leading the development of the red light quantum material industry.

The company focuses on health and new energy, and has mature products such as far-infrared heating scarves, belts, and vests. At the same time, it is connected to the Internet and concentrates on health management and repair. Hangzhou Gelanfeng Technology Co., Ltd. is based on the concept of carbon neutrality, relying on graphene and other carbon materials to propose a brand new and efficient way of warm care, protect human health while reducing energy consumption, and make a unique contribute to the national strategy of carbon peak and carbon neutrality.

company advantage

Taking technological innovation as our core competitiveness, we closely cooperate and communicate with well-known universities and institutions such as Zhejiang University and Chongqing Nobel Prize 2D Materials Research Institute, actively promote the technological innovation of quantum materials, and realize the quick connection between scientific research results and market demand. At the same time, by constantly absorbing various new design concepts and technical achievements, with powerful analysis, calculation capabilities and perfect planning functions, we have significantly improved our products, which separates our company from the competition in the market.



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Team Profile

The team mainly carries out R&D, production and sales in the field of "red light-emitting quantum materials". The core members are from Zhejiang University and have independent core patents and their products.

· specialized · cooperation · innovation · excellence



Shisheng Lin

Zhejiang University
Professor/PhD supervisor
Chairman, R&D Director

Core member

Shisheng Lin, professor/doctoral supervisor at Zhejiang University, has nearly 20 years of experience in interdisciplinary research. He has led the high-efficiency power generation and information-energy integration team to achieve important research results in the field of high-efficiency photovoltaics and power-generating devices, including high-efficiency power-generating devices, high-efficiency solar cells, high-efficiency self-driven photoelectric detection and other directions.

He took the lead in proposing the concept and device physical framework of dynamic diode generators. At present, more than 100 academic papers have been published in journals such as Research, Adv. Mater., Adv. Energy Mater., iScience, Matter, Adv. Funct. Mater., Nano Energy, Nano Lett., Adv. Sci. 4000 times, the H factor is 38. He has Received support from 2020 China Highly Cited Scholars, Zhejiang Provincial Fund for Distinguished Young Scholars, etc. He has authorized nearly 20 invention patents, and holds academic positions such as associate editor-in-chief of Science Bulletin, a world-class journal.

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Core R&D Team



Linjun Li

R&D partner

Zhejiang University – Ph.D. in Physics;
Katholieke Universiteit Leuven Institute of Nanophysics and
Chemistry – Postdoctoral fellow;
National University of Singapore Advanced 2D Materials and
Graphene Research Center – Postdoc;
Zhejiang University – Hundred Talents Program Researcher /
Doctoral Supervisor



Feng Liu

R&D partner

Dortmund university of technology–PhD in Physics
The University of Sheffield Department of Astronomy and
Physics – Postdoc
Zhejiang University – Hundred Talents Program Researcher /
Doctoral Supervisor
Thousands of National Youth

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Core R&D Team



Yanghua Lu

Deputy Director of R&D

In recent years, he has won the National Scholarship for Graduate Students (2 times), the Huawei Scholarship, and Outstanding Graduate Students (for 4 consecutive years). He has published more than 20 high-level papers in internationally renowned journals such as Advanced Materials, Nano Energy, iScience, Research, etc., which have been cited more than 500 times, and Apply for or authorize more than 20 invention patents; participate in the declaration and research of a number of military commission science and technology committee and natural fund projects.



Yue Dai

Senior R&D Manager

He graduated from Zhejiang University with a bachelor's degree. From 2018 to 2021, he worked as an assistant researcher in Lin Shisheng's research group at the School of Information and Electronics, Zhejiang University, focusing on two-dimensional semiconductor optoelectronic devices. In 2021, he joined Hangzhou Gelanfeng Nanotechnology Co., Ltd., mainly engaged in the research and development of graphene photovoltaic and civilian graphene products, and has applied for a number of national invention patents.

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consultation team



Professor Lin Chengzhen
R & D consultant

Special allowance
expert of the State
Council
Expert with outstanding
contributions from the
former Ministry of
Machinery and Electronics
Industry
Currently engaged in the
"Energy Internet" and
"Industrial Internet" of
new energy, new materials
and equipment
manufacturing



Academician Zhang Ze
R & D consultant

**Academician of
Chinese Academy of
Sciences**

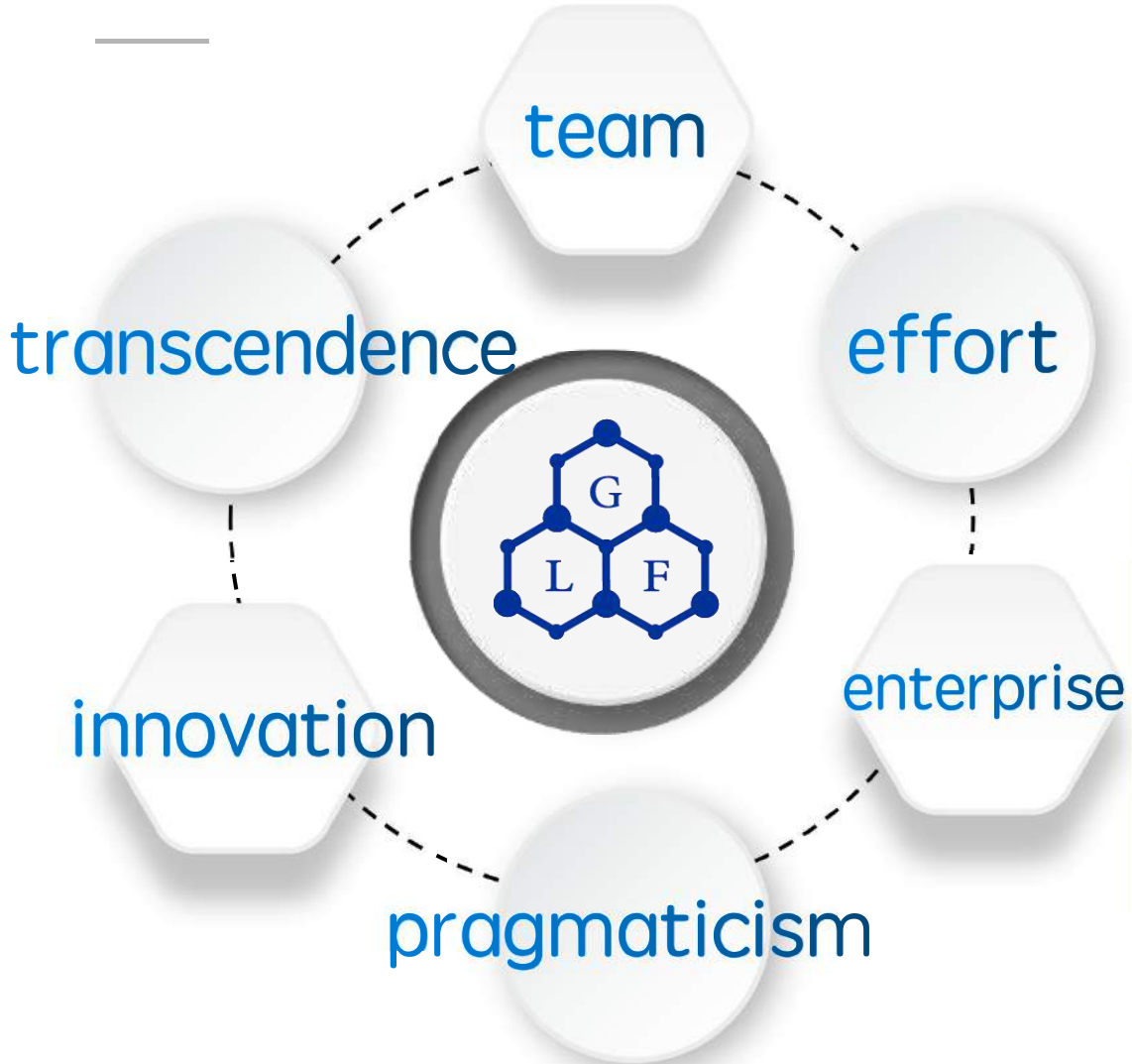
Top expert in
materials science
and crystal structure

Chairman of
Academic Committee of
Zhejiang University

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Company philosophy



Plastic products with quality
Build brands with products
Win the market with the brand
Prove the integrity with the market
Guarantee business with integrity
Keep innovating with business
Seek development through innovation
Share the future through development

Company Culture



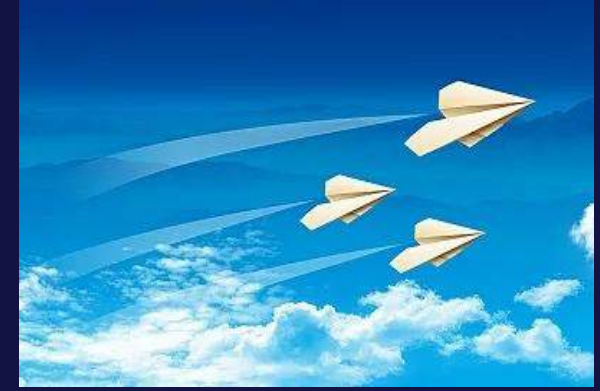
company values

Create satisfactory value for customers, create a growth platform for employees, and contribute wisdom, reliability, efficiency, cooperation and victory to the country and society.



Company mission

Innovation, providing reliable leading technology for national strength and industrial development.



Company Vision

Become the leader of overall solutions in the field of various new red light-emitting quantum materials in China.

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Honor



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Company public welfare



Beijing Water Source Conservation Foundation and Hangzhou Gelaifeng Technology Co., Ltd. carried out the "Sanjiangyuan Guardian Plan" public welfare activity in the Sanjiangyuan area, donating warm winter materials to Sanjiangyuan ecological caregivers, using high-tech materials 100% pure graphene to heat Smart heated down vest.

The public welfare activity was organized by the Beijing Water Source Conservation Foundation, and participated by the Governance Management Office of the Changjiangyuan Park Management Committee of the Sanjiangyuan National Park Administration, the Sanjiangyuan Ecological Protection Foundation, and Hangzhou Gelaifeng Nanotechnology Co., Ltd. The donated cold protection materials will all be used for the daily operations of Sanjiangyuan ecological caregivers, bringing continuous warmth and protection to the alpine and high altitude patrols in winter.

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PART 02 Products and Services

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Marketing network

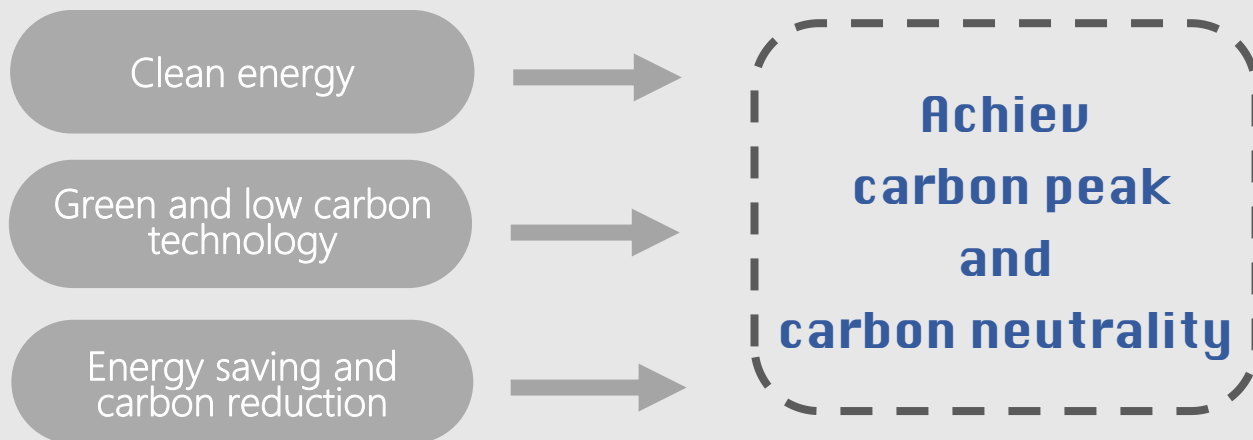
Strength and confidence make a team indestructible. Standing on the position that everyone wants to challenge themselves, we have formed a passionate and fearless group with strength as shield, self-confidence as spear, and unity as courage. We will prove with our strength that we are the best.



Address to the 75th United Nations General Assembly China's Commitment to World Climate Change

President Xi Jinping: China's carbon dioxide emissions will strive to peak before 2030, and strive to achieve carbon neutrality before 2060.

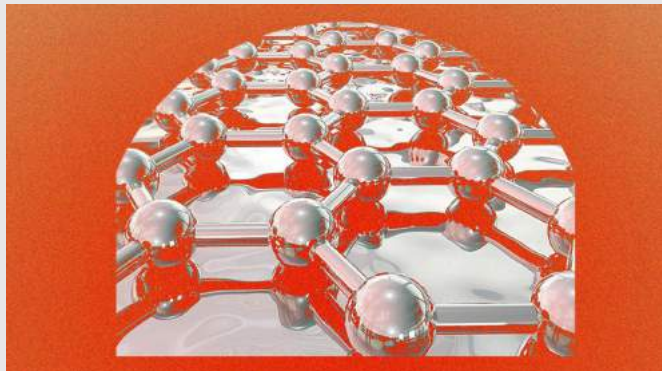
In 2021, the State Council issued the "Action Plan for Carbon Peaking Before 2030". The first item is the energy green and low-carbon action plan.



Core products and technologies

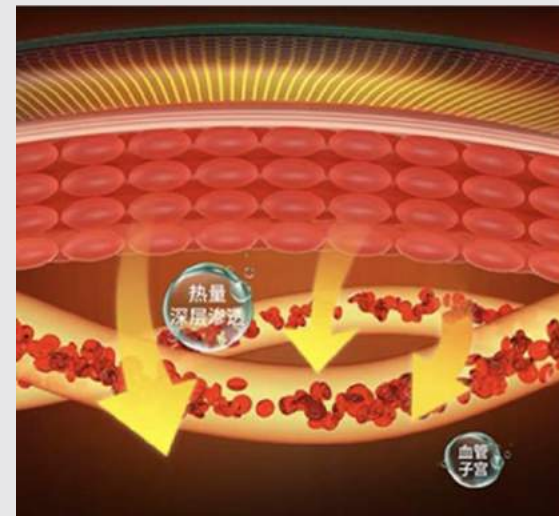
Self-developed Graphene Film

Gelanfeng graphene film has an original fractal structure. The infrared emissivity of the fractal graphene film is close to 2 times that of ordinary graphene. It can quickly generate heat and emit far infrared light with a wavelength of 8-15 μm , which resonates with human tissues and rapidly warm up the body and promotes blood circulation and accelerate metabolism.



Far Infrared

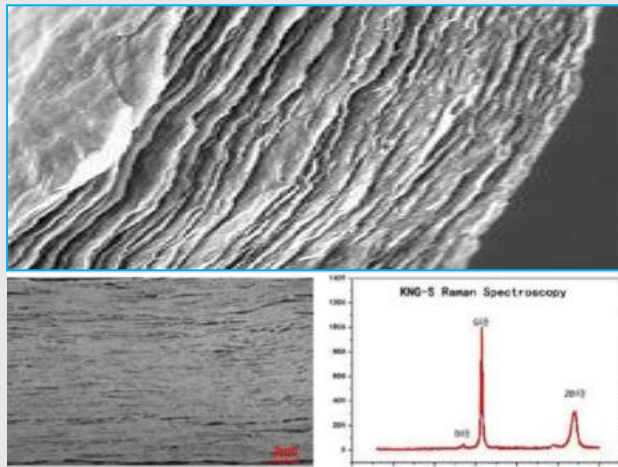
Rapid heating process in 3 seconds is realized by adopting specially developed graphene heating film. The heat goes deep into the body to adjust body functions inside out, making womb and stomach warm and relaxed.



Core products and technologies

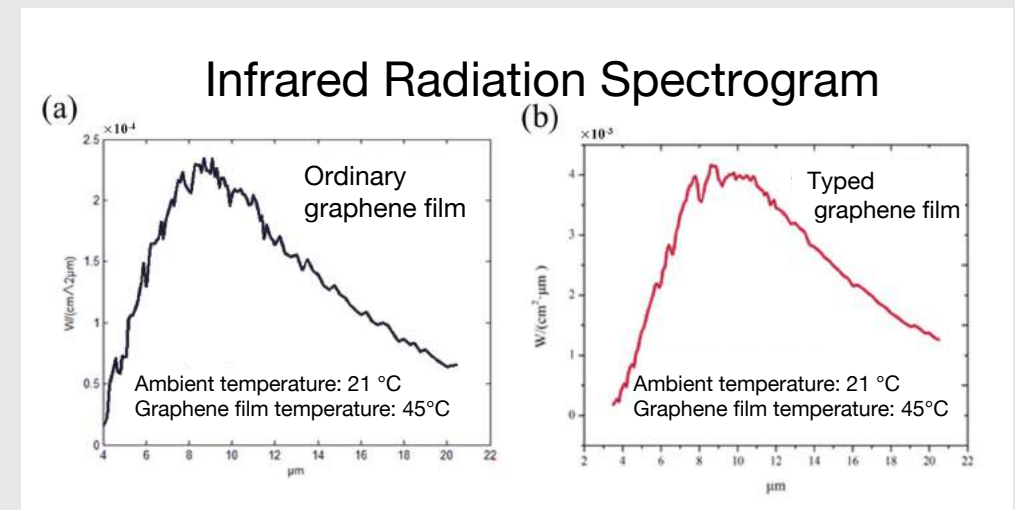
Ordered Stacking and Defects Repair

We have realized the orderly stacking of graphene with compact structure and controllable thickness, and repaired the defects of graphene with Nitrogen atom doping technology. It solves the problems of uneven number of layers and serious defects in the preparation of multi-layer graphene by traditional methods, and lays a solid foundation for subsequent product modification and microstructure design.



Infrared Radiant Heat Management Technology

Fractal-structured graphene films were prepared by micro-nano processing techniques such as nanoimprinting, combined with the adjustment and modification of the raw material ends. The fractal film has a very high infrared emissivity. At the same temperature, its infrared radiation energy density is close to twice that of ordinary graphene, which greatly improves the far-infrared physiotherapy effect of graphene.



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Core products and technologies

Quality Certification Focus on R&D of Graphene



Pure Graphene Film



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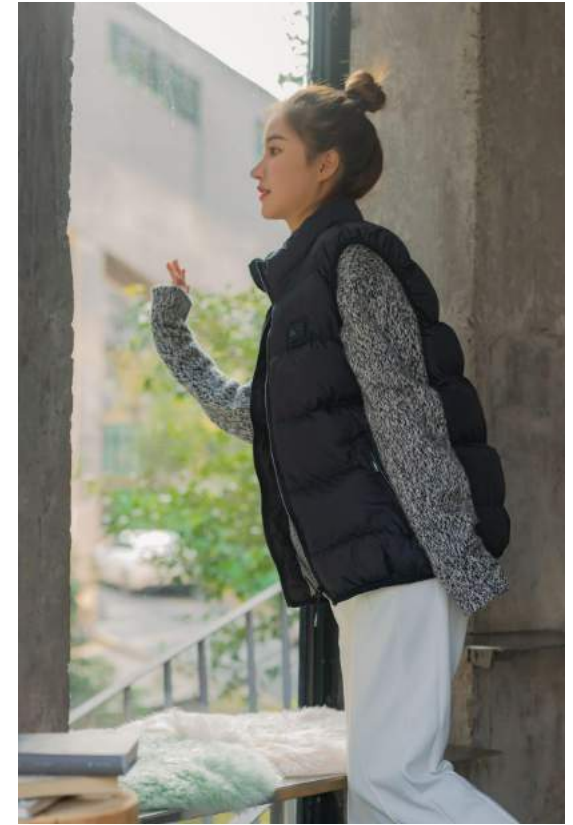
Main products



Graphene far infrared
intelligent heating scarf



Graphene far infrared
intelligent heating belt



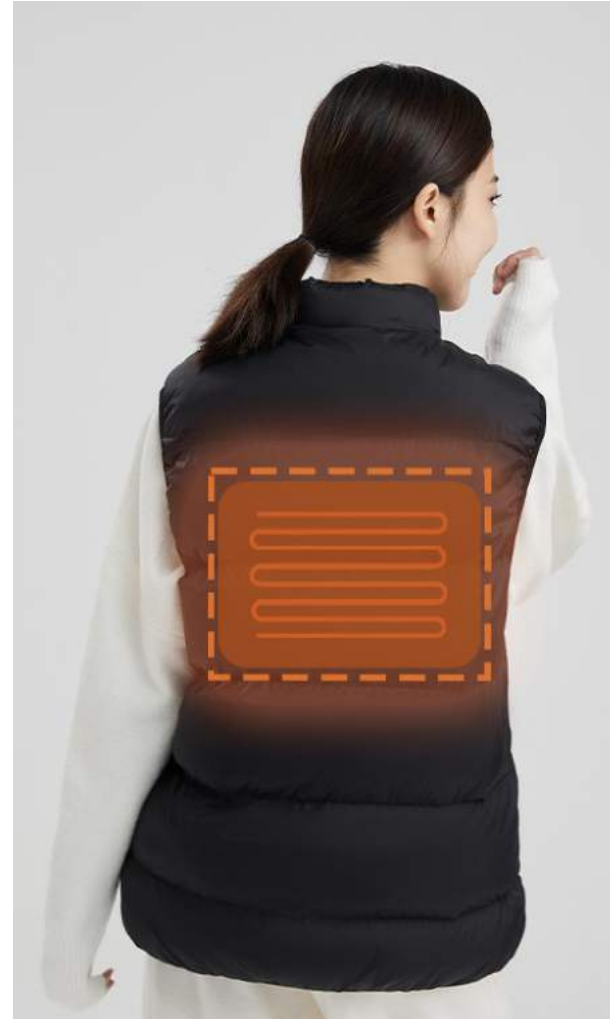
Graphene far infrared
intelligent heating vest

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Graphene far infrared intelligent heating vest

- Intelligent APP temperature control
- Far infrared life wavelength
- Rapid heating of graphene film



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Heating area: 20cmX5cm;
Belt material: 100% polyester inside; 100% leather outside



Graphene far infrared intelligent heating belt

- Bluetooth APP intelligent temperature control, three-gears heating
- Comprehensive maintenance of waist and abdomen, enriching different experience
- Far infrared continuously deep heat compress
- Black technology redefines warmth



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Graphene far infrared intelligent heating scarf

■ Fashion series

■ Sunshine velvet series

■ Silk series

- Lightweight and easy to use, neck support for a long time without tiring shoulders
- The high-quality fabric is soft and comfortable, and comprehensively cares for the neck
- Rapid and uniform heating in 3 seconds, BLE Bluetooth continuous temperature control



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Graphene far infrared intelligent heating down coat

- BLE Bluetooth continuous temperature control
- Far infrared life wavelength
- Rapid heating of graphene film
- Heating area: 22cmX16cm;
- Compared with electric heaters and electric blankets, it consumes less power (low power consumption) and keeps warm for a long time



■ Gelanfeng GEEFREE



original discovery 【Graphene mid- and far-infrared light excitation EEG Alpha wave, Theta wave】
One key to open 「Feel the physical and mental relaxation, easily enter deep sleep, relieve tension and anxiety」



Graphene Far Infrared
Smart Sleep Pillow

neck support sleep soothing

One key to open fast sleep

Give you sleep security

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Graphene far infrared intelligent heating carpet

- far infrared life wavelength
- graphene film rapid heating
- overall uniform temperature rise
- more comfortable and safer
- personalized temperature control



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Graphene far infrared intelligent fireplace



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Graphene far infrared intelligent vacuum cup



Performance Advantage

Far infrared physiotherapy

Graphene can emit far infrared light with a wavelength of 8+15 μm , which resonates with water molecules widely distributed in human body, rapidly warm up the body and promote the circulate of blood and accelerate metabolism.

Brain wave regulation

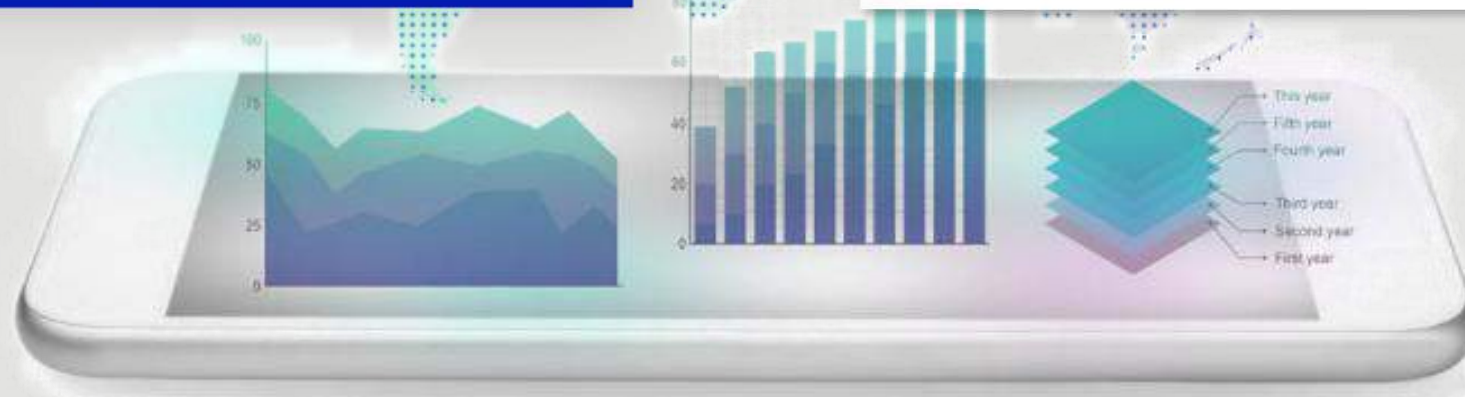
Graphene promotes the generation of and waves in the brain, which can help relieve tension and anxiety, make people relax, improve sleep and enhance memory, imagination and creativity.

Intelligent temperature control

Built-in three-gears of temperature control combined with Bluetooth chip, achieves personalized temperature control in wide range(30 +60), ensures your comfort

Energy conservation&Environmental production

Our graphene products have larger heating area and higher electrothermal conversion efficiency, can effectively save energy and reduce carbon emissions.



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Service Tent



service first
customer foremost



10 years of hard work, aim to warm your life
focusing on research and development of graphene

Serve Items



Pre-sale

"Customer satisfaction" is the direction we pursue. Service is not only about handling and maintenance, but also urgent for customers. Solve the customer's problems as they want. While we provide you with high-quality products, we also provide you with high-quality products.



In-sale

In the process of product manufacturing, relevant technicians from users are invited to our company to inspect the inspection of various processes in the manufacturing process. Check and provide the relevant technicians with the product inspection Songhuai and inspection results.



After-sale

Provide technical guidance on use and other aspects according to the requirements of consumers; be responsible for maintenance services; handle consumption. Visit to answer consumer inquiries.

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PART 03 Contact us

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Contact us

Manufacturer:

Hangzhou Gelanfeng Technology Co., Ltd

Production address:

No.88, Huancheng South Road, Tonglu county,
Hangzhou, Zhejiang Province.

Official website: <http://www.geefree.cn>

Tel: 0571-85093323



GELANFENG
Jingdong flagship store



GELANFENG
Tik Tok shop



GELANFENG
quick worker shop



GELANFENG
official website



GELANFENG
WeChat official account



GELANFENG
Taobao shop

GELANFENG's Website on 1688 International:
<https://geefree.m.en.alibaba.com/>

GELANFENG's Website on Xinhua Bookstore:
<https://m.xhsd.com/items/110001503308026?isShare=true>

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THANK YOU