ENSOLUTION PROVIDER FOR ELECTRONICS

WAIHJING ENTERPRISE CO., LTD.

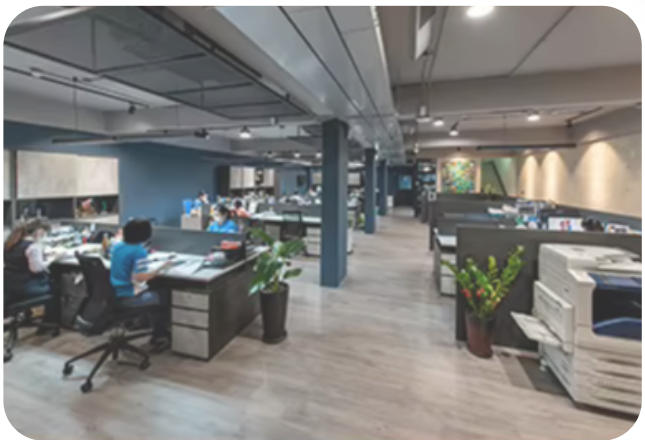
2026

COMPANY PROFILE

WJE was founded in Taiwan in March 2000 and has steadily expanded its presence across Asia. We established our Suzhou branch in China in 2003, followed by the Vietnam branch in 2024. By covering major manufacturing bases in the Asia region, we are well-positioned to support the needs of our international customers.

OUR VISION

At We, we uphold integrity and professionalism as our core values. Our goal is to build long-term partnerships with our customers through trust and mutual growth.



OUR MISSION

We are committed to product quality and on-time delivery, meeting the high standards and efficiency expectations of our clients.

COMPANY MILESTONES

2000
Established WAIH-JING Enterprise Co., Ltd. in Taiwan

2003
ISO 9001 Certified
Established Suzhou WAIH-JING Electronic Insulation Materials Co., Ltd. (China)

2008
ISO 14001 & OHSAS 18001 Certified

2014
Introduced Automated Rotary Die-Cutting Equipment
Enhancing production efficiency and quality stability

2015
Certified with Integrated Management Systems:
ISO 9001 / ISO 14001 / ISO 45001 / IATF 16949

2016
Established Class 1000 Cleanroom
Added Optical Film Slitting Production Line

2021
TTQS & ISO 13485 Certified
(Medical Device Quality Management System)

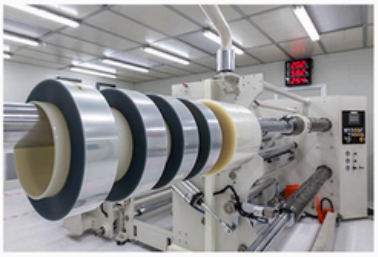
2023
VDA 6.3 Certified
Introduced AOI Inspection System

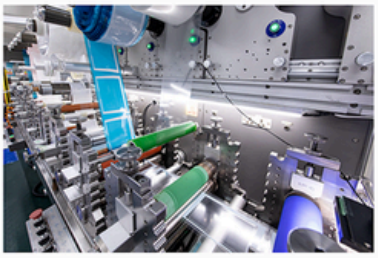
2024
Established Gi-Yong Vietnam Co., Ltd.
Expanding Southeast Asia Manufacturing Network
ISO 14064-1 Greenhouse gases — Part 1

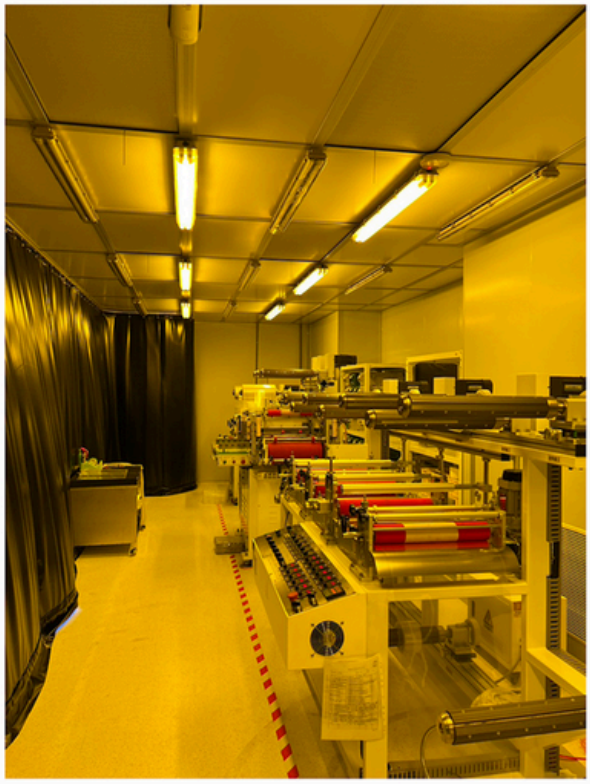
2025
Introduced 20-Axis Rotary Die-Cutting Equipment
Established Class 1000 Yellow-Light Cleanroom

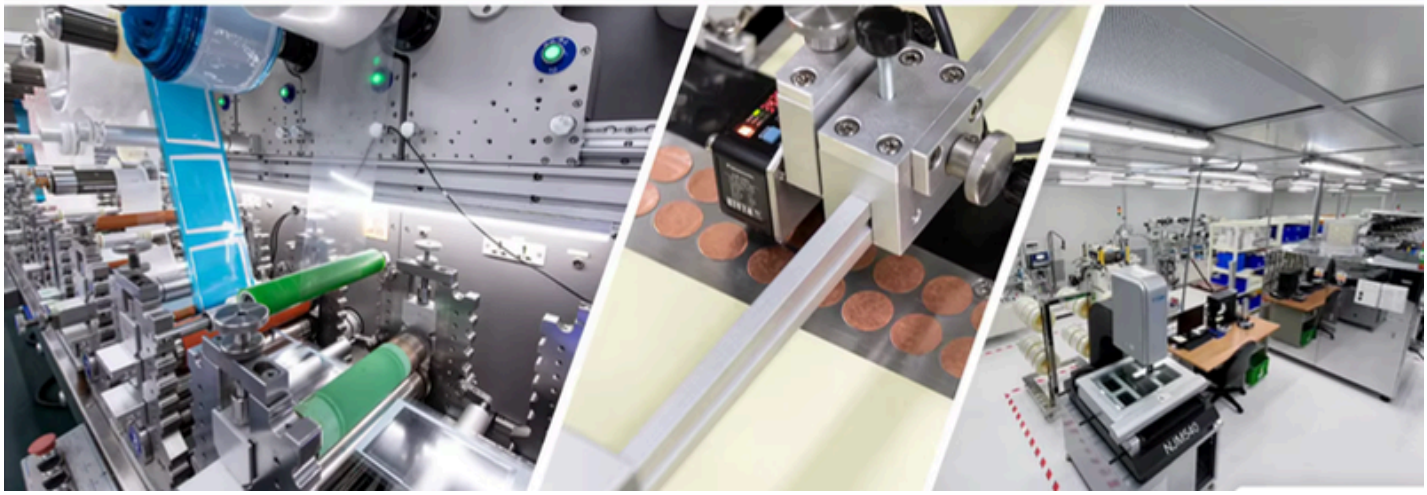
2026
Planned ISO 27001 Certification
Enhancing Information Security & Risk Management

PRECISION MANUFACTURING & CLEANROOM ENVIRONMENT

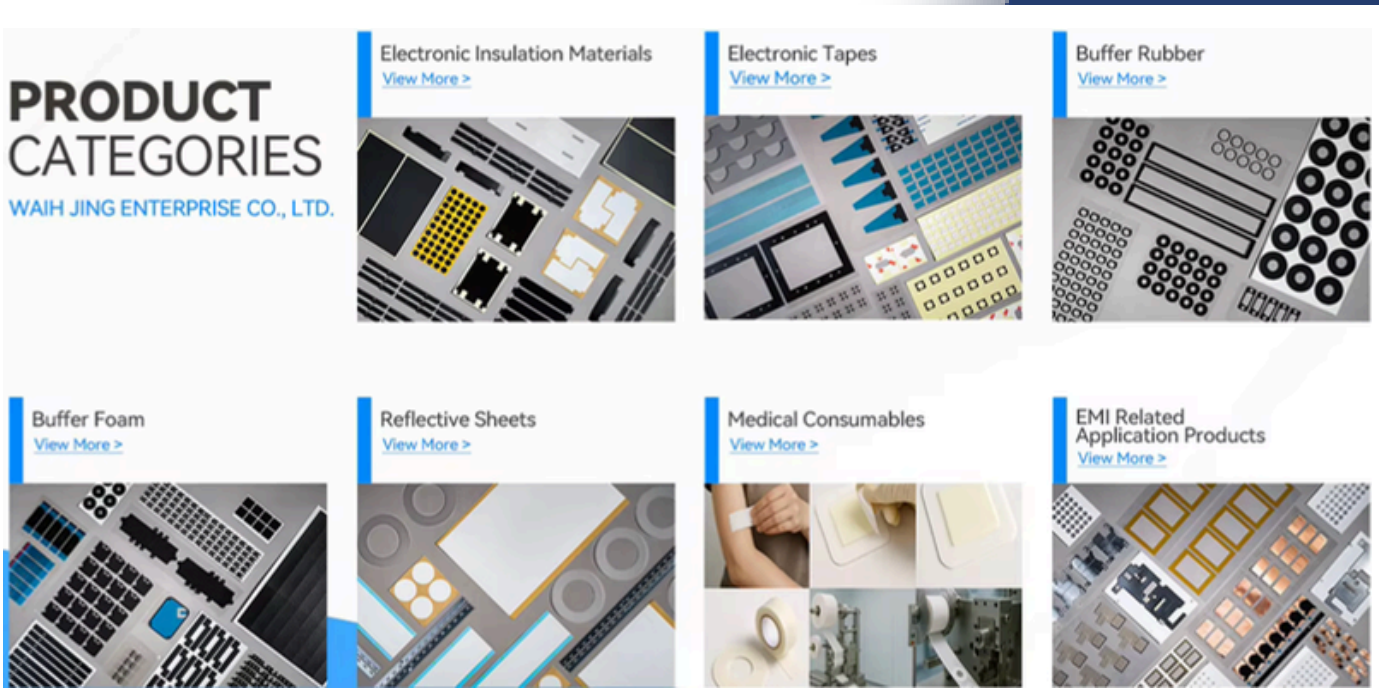




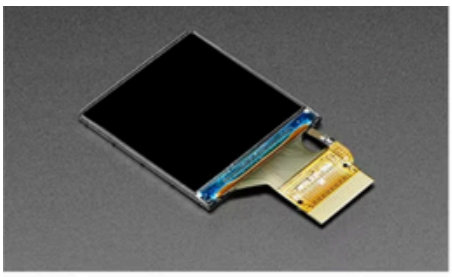




APPLICATION SHOWCASE



APPLICATION AREAS



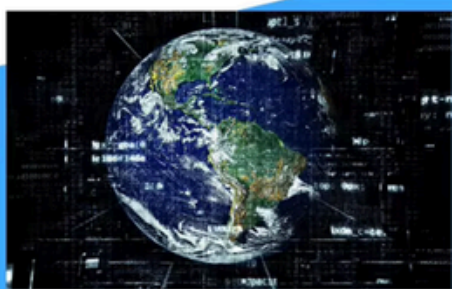
TFT -LCD Panels

Mobile Phones

Notebook Systems

Automotive Electronics Server

Medical Consumables



IOT Industries

OUR VALUED PARTNERS

ITW Formex · KIMOTO · SKC · TORAY Innovation by Chemistry · DUPONT · NAN YA PLASTICS · TEIJIN · TAIMIDE TECH. INC
Denka · INOAC · Laird · NBC · ROGERS CORPORATION · SAATI · pmp · Iwatani · Shin-Etsu
DOWSIL · SAINT-GOBAIN · 3M Science. Applied to Life. · Color & Comfort · Justapé · LG Chem · Tapex · tesa · MITSUBISHI CHEMICAL GROUP
Hitachi Chemical · Nitto · NEION · SEAL KING · DEER BRAND · TERAOKA · U-TEK · Pontex · Dexerials
SDK · 華越科技 · HX · SHARK TAPE · HANPIN · Soken · CACTUS · SEKISUI · Lohmann

ISO CERTIFICATIONSS

Adhesive Tape Solutions

Product Name	Substrate / Structure	Color	Thickness (mm)	Temperature Range	Key Features & Applications
PET-Based Tape	PET + Acrylic	Black / Transparent / White	0.01–0.30	-20°C to +100°C	Good adhesion and electrical insulation. Suitable for fixing, masking, and protection of electronic components.
Non-Woven Tape	Non-woven + Acrylic	White / Black	0.05–0.3	-40°C to +120°C	High conformability and adhesion. Suitable for bonding on rough surfaces and wire fixation.
Transfer Double-Sided Tape (Non-carrier)	Acrylic	Transparent	0.05–0.125	-40°C to +260°C	High bonding strength and heat resistance. Ideal for films and electronic component bonding.
Flame-Retardant Double-Sided Tape	Acrylic	White	0.055–0.14	-40°C to +120°C	Flame-retardant with strong adhesion. Suitable for electronic equipment and electrical safety applications.
OCA Optical Adhesive Tape	Acrylic / Silicone	Transparent / Semi-Black	0.025–1.0	-40°C to +150°C	High transparency and low haze. Suitable for optical bonding in display panels and touch modules.
Stretch-Release Double-Sided Tape	SEBS / TPU / TPE / PU Foam + Acrylic	Black / White / Transparent	0.1–1.2	Long-term 60°C / Short-term 90°C	Removable without residue by stretching. Suitable for removable fixing and decorative bonding.
PE Foam Tape	PE Foam + Acrylic	Black	0.15–0.8	-20°C to +90°C	Cushioning, waterproof, and sealing properties. Suitable for structural bonding in electronics.
PU Foam Tape	PU Foam + Acrylic	Natural	0.8–3.2	-20°C to +80°C	Good shock absorption and sealing. Suitable for industrial equipment and structural fixing.
VHB Acrylic Foam Tape	Acrylic Foam	Black / Gray / White	0.1–2.3	-40°C to +149°C	High-strength structural bonding with weather and water resistance. Suitable for automotive, exterior parts, and industrial bonding.
Low-Friction Tape	PE / PTFE / Fiberglass + Acrylic	Black / Transparent / Gray / Yellow	0.05–0.25	PTFE/Fiberglass: -73°C to 204°C	Low friction coefficient to reduce mechanical wear and noise.
Electro-Release Rework Tape	Acrylic (Ion-conductive material)	Transparent	0.05–0.2	-20°C to +130°C	Adhesion can be controlled and released by applying voltage. Suitable for precision assembly and rework processes.
Thermal-Release Double-Sided Tape	Acrylic (Thermal-release type)	Transparent	0.09–0.2	Release temp: 85–260°C	Adhesion reduces after heating. Suitable for electronics disassembly and rework.
UV-Release Tape	PO / PVC + Acrylic	Transparent	As required	As required	Adhesion decreases after UV exposure. Suitable for wafer grinding and dicing processes.
Wafer Dicing Tape	PO + Acrylic	Transparent	0.09–0.2	As required	High flatness and chemical resistance. Suitable for wafer processing and protection.
UV-Curable Adhesive Tape	Non-carrier / PVB / PET (Acrylic / Thermosetting)	Transparent	0.01–0.1	70°C	Forms high-strength bonding after UV exposure. Suitable for precision electronic assembly.
Single-Sided Insulation Tape	PET + Acrylic	Black / White / Transparent	0.01–0.1	-20°C to +100°C	Electrical insulation and light shielding. Suitable for electronic component protection.
Single-Sided PI Tape	PI + Silicone / Acrylic	Black / White / Amber	0.05–0.07	-40°C to +260°C	High-temperature resistant insulation. Suitable for PCB processing and high-temperature masking.
Double-Sided PI Tape	PI + Silicone	Black / White / Amber	0.09–0.225	-40°C to +260°C	High-temperature resistant bonding. Suitable for electronic component fixation.
Black & White Tape	PET + Acrylic	One side black / One side white	0.03–0.085	-20°C to +100°C	Light blocking and reflective properties. Suitable for display optical applications.
Masking Tape	Silicone / Acrylic / Rubber	Yellow / Green / Orange	0.075–0.155	-20°C to +180°C	Suitable for painting and coating masking. Easy removal without residue.
Acetate Cloth Tape	Acrylic	Black	0.22	-20°C to +100°C	Solvent-resistant and insulating. Suitable for transformers and electronic equipment fixing.
PE/PET Process Protection Film	PE/PET + (Silicone / Acrylic / PU Adhesive)	Transparent / Blue	0.05–0.1	60°C–150°C	Surface protection during processing. Stable adhesion with easy removal.
Industrial Protective Film	PU + Acrylic	Glossy / Matte	0.2–0.4	-10°C to +93°C	Wear-resistant and UV-resistant. Suitable for outdoor equipment surface protection.
Safety Film (Anti-shatter Film)	PET / TAC	Transparent	0.07–0.125	N/A	Prevents glass shattering and enhances safety protection.

Film Materials (Halogen-Free / Insulation / Heat-Resistant)

Product Name	Substrate	Color	Thickness (mm)	Temperature Range	Key Features & Applications
MYLAR	Polyester Film	Black / White / Natural / Transparent	0.023–0.35	-40°C to +100°C	Excellent mechanical strength and electrical insulation. Dimensionally stable. Widely used for insulation and protection in electronic products.
PC Film	PC Film	Black / White / Natural / Transparent	0.05–2.0	-40°C to +130°C	Good wear resistance and formability. Suitable for protection and structural reinforcement in electronic products.
PP Film	PP Film	Black / White / Natural / Transparent	0.06–0.125	-20°C to +120°C	Flexible and bend-resistant. Ideal for protection, insulation, and wrapping applications in electronics.
PI Film	PI Film	Black / Amber / White	0.01–0.225	-200°C to +260°C	High-temperature resistant insulation material. Suitable for PCB and electronic component insulation in high-temperature processes.
TPU Film	TPU Film	White	0.025–0.05	-40°C to +80°C	High elasticity and abrasion resistance. Suitable for product protection and structural bonding.
Nomex® Aramid Paper	Nomex® Paper	White	0.05–0.75	-196°C to +220°C	High dielectric strength and excellent heat resistance. Widely used in electrical equipment and high-performance insulation systems. UL94 VTM-0
PTFE Waterproof Breathable Membrane	PTFE	White / Gray / Black	N/A	-40°C to +150°C	Waterproof, dustproof, and breathable. Balances internal and external pressure while protecting devices.
Diffuser Film	Optical Film	Natural	0.036–0.129	-20°C to +100°C	Converts light into uniform surface illumination. Improves display brightness uniformity.
White Reflective Film	PET / PCR PET	White	0.05–0.3	-40°C to +105°C	Enhances light utilization efficiency and increases backlight brightness.
Silver Reflective Film	Reflective Film	Silver	0.05–0.1	-20°C to +70°C	High reflectivity for improved light efficiency and backlight brightness.
DBEF Brightness Enhancement Film	PET + Optical Polymer	Transparent	0.025–0.3	-40°C to +85°C	Enhances front brightness and improves light efficiency of displays.

Foam Cushioning Solutions

Product Name	Substrate / Structure	Color	Thickness (mm)	Temperature Range	Key Features & Applications
Silicone Rubber Sheet	Silicone Rubber Sheet	Black / White / Gray / Transparent	0.5–12	-50°C to +200°C	Excellent electrical insulation and elasticity. Suitable for insulation, cushioning, and protection in electronic devices.
KE Series (3u / 18u)	Silicone Rubber	Black / White / Gray	0.05–3	-50°C to +220°C	Provides light blocking, cushioning, and shock absorption. Ideal for display modules and precision structure protection.
Silicone Foam	Silicone (Closed-cell Foam)	Black / Gray / Red	0.8–25.4	-40°C to +220°C	High temperature resistance, vibration damping, and sealing performance. Suitable for electronics and high-temperature
EPDM Foam	EPDM Rubber (Open-cell / Closed-cell)	Black	0.5–50	-40°C to +110°C	Excellent weather resistance, ozone resistance, and sealing performance. Suitable for industrial equipment and automotive sealing
CR Foam	Neoprene Foam (Closed-cell)	Black / White	0.5–30	-40°C to +120°C	Flame resistance, oil resistance, and anti-aging properties. Suitable for electronics and industrial protection.
EVA Foam	EVA (Closed-cell)	Customizable	0.5–30	-40°C to +90°C	Good cushioning and thermal insulation performance. Suitable for electronic and industrial product protection.
PU Foam	Polyurethane Foam (Open-cell / Closed-cell)	Black	0.15–6.0	-20°C to +90°C	Soft with excellent shock absorption. Ideal for precision equipment cushioning and sealing.
PE Foam	HDPE & LDPE (Open-cell / Closed-cell)	Black	0.1–4.0	-30°C to +130°C	Lightweight with good cushioning and insulation properties. Suitable for electronics and industrial protection.
PP Foam	Polypropylene Foam (Closed-cell)	Black	0.1–1.0	-40°C to +100°C	Ultra-thin sealing foam. Suitable for sound insulation, dustproofing, and sealing of electronic components.
Melamine Foam	Melamine Foam (Open-cell)	Gray / White	1–500	-30°C to +150°C	Lightweight with excellent sound absorption and thermal insulation. Suitable for automotive, appliances, and building noise reduction.
Zotek F Foam	Zotek F (PVDF, Closed-cell Nitrogen Foamed)	Gray / White	0.5–30	-60°C to +205°C	High strength and high-temperature resistance. Suitable for automotive, aerospace, and industrial applications.

Thermal Management Materials Overview

Product Name	Substrate	Color	Thickness (mm)	Thermal Conductivity	Key Features & Applications
Thermally Conductive Double-Sided Tape	Fiberglass / Aluminum Foil / Copper Foil / Non-carrier	White	0.05–0.5	0.4–1.5 W/m・K	Used for bonding and heat transfer between electronic components and heat sinks. Provides good thermal conductivity, reduces thermal resistance, and improves heat dissipation efficiency.
Thermal Silicone Pad	Silicone Polymer	As required	0.5–10	1.0–17.0 W/m・K	Excellent thermal conductivity and electrical insulation. Fills gaps between components and heat sinks, improving contact area and heat dissipation.
Thermal Phase Change Material (PCM)	Non-carrier	Gray / White	0.1–0.45	2.0–8.0 W/m・K	Softens at specific temperatures to fill micro gaps and reduce thermal resistance. Suitable for high-power electronic heat dissipation.
Silicone-Free Thermal Pad	Acrylic / PU (Polyurethane)	As required	0.5–10	1.0–10 W/m・K	Silicone-free to avoid contamination. Offers good thermal conductivity and gap-filling capability. Ideal for silicone-sensitive components.
Artificial Graphite Sheet	Flexible Graphite Foil	Black/Gray	0.017–0.5	400–1500 W/m・K	Ultra-high thermal conductivity with excellent flexibility. Widely used in smartphones, laptops, and consumer electronics.
Thermally Conductive Foam Pad	Graphite + PET + Thermally Conductive Materials	Black/Gray	As required	0.5–3 W/m・K	Combines heat conduction and cushioning. Suitable for thermal transfer and shock absorption between components and heat modules.
Electrically Conductive & Thermal Foam Pad	Graphite + PET + Thermally Conductive Materials	Black/Gray	As required	0.5–2 W/m・K	Provides both thermal conduction and electrical grounding. Helps improve heat dissipation and suppress EMI interference.
Thermal Insulation Foam	NBR / EPDM / PU Foam	Black / Gray	0.5–6.0	0.030–0.045 W/m・K	Excellent thermal insulation. Prevents heat transfer and protects surrounding components.
Aerogel Insulation Material	Silica / Polyurethane Foam	White	0.5–2.0	0.013–0.02 W/m・K	Ultra-low thermal conductivity with outstanding insulation performance. Suitable for battery modules and electronic thermal management.
Thermal Insulation Film	Aerogel Composite	White	0.1–1.0	-20°C to +180°C	Low thermal conductivity with excellent heat resistance. Suitable for electronic devices and high-temperature insulation applications.

EMI / EMC Solutions

Product Name	Substrate	Color	Thickness (mm)	Surface Resistance	Key Features & Applications
Conductive Fabric Tape	Metalized Fabric	Black / Metallic	0.05–0.35	≤0.05 Ω/sq	Excellent electrical conductivity and EMI shielding performance. Flexible and easy to process. Suitable for grounding and EMI/ESD protection in electronic devices.
Conductive Foam	Conductive Fabric over Foam	Metallic	As required	≤0.05 Ω/sq	Provides grounding and EMI shielding. Foam elasticity ensures reliable conductive contact. Suitable for EMI protection in electronic equipment.
Omnidirectional Conductive Foam	PU Foam / Polyolefin Foam + Plating	Metallic	0.2–3.5	≤0.2 Ω/sq	Offers XYZ-axis conductivity and EMI/RFI shielding. Also provides cushioning and gap-filling functions.
Conductive Silicone Pad	Silicone & Carbon Fiber	Black / Gray	0.5–5.0	≤0.01–1 Ω/sq	Combines electrical and thermal conductivity. Excellent compressibility and flexibility. Suitable for high-power electronics heat dissipation and grounding.
EMI Absorber (Wave Absorbing Material)	Silicone / Rubber / Foam-based (PU/PE)	Metallic	0.1–5.0	≤10^2–10^5 Ω/sq	Absorbs electromagnetic waves and reduces reflection interference. Ideal for RF components and EMI/EMC suppression applications.
Nano Carbon Copper Foil	Copper Foil with Nano Carbon Thermal Layer	Metallic	0.03–0.095	≤0.01–0.1 Ω/sq	High thermal conductivity and EMI shielding performance. Suitable for high-speed electronics and thermal management applications.
Copper Foil	CU Foil	Metallic	0.025–0.2	≤0.005 Ω/sq	Extremely low resistance with excellent EMI shielding. Widely used for grounding, conductivity, and electromagnetic shielding.
Aluminum Foil	AL Foil	Metallic	0.025–0.1	≤0.01 Ω/sq	Lightweight with good EMI shielding performance. Suitable for electronic grounding and electromagnetic protection.
High Purity Lead Foil	Lead Foil	Metallic	0.05–0.5	≤0.02 Ω/sq	Excellent radiation shielding and conformability. Suitable for medical and industrial protection applications.

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