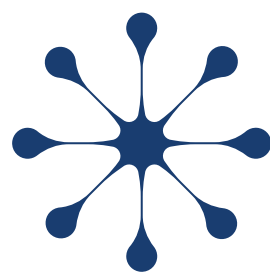




Global Electronics Materials Sourcing
& Technical Supply Solutions



ADVANCED ELECTRONIC MATERIALS SOURCING SOLUTIONS

Sourcing Solutions for:

- Electronics Manufacturing Services (EMS)
- Electric Vehicles (EV)
- Consumer Electronics
- Telecom & 5G
- Industrial Electronics
- Medical Electronics
- Aerospace & Defence
- AI Servers & Data Centres

Explore Our Technical Sourcing & Support Services.

PARAB CORP





About **PARATECH SOURCING**



PARATECH SOURCING™ is the electronics materials and technical sourcing division of PARAB Corp, focused on supporting manufacturers with globally sourced specialty materials used in electronics assembly and advanced manufacturing.

We work as:

- Technical sourcing partner
- Indenting & procurement support provider
- Import facilitation specialist
- Sample qualification coordinator
- Vendor development partner

Our objective is simple:

Help Indian manufacturers access globally competitive electronics materials with technical understanding and supply reliability.

International Product Sourcing:

- China
- Taiwan
- Japan
- South Korea
- Germany
- Vietnam

Services:

- *Product Identification*
- *Technical Product Matching*
- *Equivalent Product Development*
- *Vendor Identification*
- *Supplier Qualification*
- *Sample Procurement*
- *Commercial Negotiation*
- *Logistics Coordination*
- *Technical Support*

Industries We Serve:

-  Smartphone
-  EV
-  Battery
-  Automotive
-  Industrial Electronics
-  Medical Electronics
-  LED
-  AI Servers

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PARATECH SOURCING

E 309, Crystal Plaza, Andheri West,
Mumbai 400053, INDIA



Electronic Grade Adhesive Tapes

- Water Proof Adhesive Tapes
- Foam Tape
- Heat Reactive Tape
- High Adhesion Double Sided Tape
- Kapton Tape
- OCA
- Cell Tape
- Foldable Tapes & Films
- PET Tape
- Thermal Tape
- EMI Tape
- Multifunctional Tape



High-performance adhesive solutions for bonding, sealing, insulation and protection across advanced electronic manufacturing applications.

Applications & Typical Industries:

- Smartphones
- Smart Watches
- Outdoor Electronics
- Camera Modules
- Industrial Enclosure
- OLED Display
- PCB Protection
- Wearables
- Laptops, Tablets
- PCB Bonding
- Automobile Electronics
- EV Battery Pack
- Display Assembly
- Home Appliances

ELECTRONIC GRADE ADHESIVE TAPES

ENGINEERED FOR PERFORMANCE. BUILT FOR RELIABILITY.

- HIGH ADHESION
- ELECTRICAL INSULATION
- THERMAL RESISTANCE
- CHEMICAL RESISTANCE
- CLEAN REMOVAL

VERSATILE. STRONG. ESSENTIAL.

- ✓ SECURE BONDING
- ✓ INSULATION PROTECTION
- ✓ SPLICE & REPAIR
- ✓ MASKING & SHIELDING
- ✓ BUNDLING & FIXING

TRUSTED IN ELECTRONICS. PROVEN IN PERFORMANCE.

- CONSUMER ELECTRONICS
- AUTOMOTIVE
- INDUSTRIAL
- TELECOM
- AEROSPACE
- MEDICAL DEVICES

INSULATION **BUNDLING** **SPLICE & REPAIR** **HARNESSING** **SHIELDING**

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Thermal Interface Materials (TIM)

- Thermal Pads (silicone based sheets of varying thickness & conductivity)
- Thermal Phase Change Materials (PCM)
- Thermally Conductive Double Sided Tape
- Thermally Conductive Foam Pad
- Electrically Conductive & Thermal Foam Pad
- Thermal Insulation Foam
- Thermal Insulation Film/Sheets
- Thermal Paste
- Thermal Gap fillers/pad
- Thermal Conductive Gel
- Thermal Conductive Adhesives
- Thermal Silicone Pad
- Non Silicone Pads

Advanced Thermal Management Materials designed to efficiently dissipate heat and improve electronic device reliability.

Applications & Typical Industries:

- EV Batteries
- Consumer Electronics
- Automotive Electronics
- AI Servers
- Power Modules
- Heat Sink Bonding
- CPUs, GPUs,
- Telecom
- Industrial Electronics
- Inverters

THERMAL INTERFACE MATERIALS

The Invisible Bridge of Heat Transfer

TIMs fill microscopic gaps between surfaces, displacing air and improving thermal conductivity from a heat source (CPU/GPU) to a heatsink or cooler.

1. THERMAL PASTE
High-conductivity compounds that flow into microscopic surface imperfections.
Typical Conductivity: 1 – 12 W/m-K

2. THERMAL PAD
Soft, compressible materials for easy application and reusability.
Typical Conductivity: 1 – 8 W/m-K

PHASE CHANGE MATERIAL
Solid at room temperature, melts with heat to improve contact and conductivity.
Typical Conductivity: 2 – 10 W/m-K

GRAPHITE SHEET
Thin, flexible carbon layers that efficiently spread heat across a surface.
Typical Conductivity: 300 – 1500 W/m-K (in-plane)

LIQUID METAL
Metal alloys with exceptional thermal conductivity for maximum performance.
Typical Conductivity: 20 – 80 W/m-K

COMMON TIM TYPES

THERMAL PASTE
Easy to apply, ideal for most uses

THERMAL PAD
User-friendly, good for larger gaps

PHASE CHANGE MATERIAL
Advanced performance with heat activation

GRAPHITE SHEET
Excellent for heat spreading

LIQUID METAL
Maximum conductivity for enthusiasts

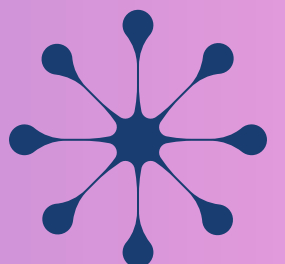
WHY TIMs MATTER

WITHOUT TIM
HEATSINK
CPU
Air gaps trap heat, leading to higher temperatures.

WITH TIM
HEATSINK
CPU
TIM fills gaps, maximizing heat transfer and cooling efficiency.

PRO TIP
Proper application and the right TIM choice can significantly reduce temperatures, improve performance, and extend the lifespan of your components.

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Conformal Coatings

- *Acrylic*
- *Silicone*
- *Polyurethane*
- *UV Cure*

Protective coatings safeguarding electronic assemblies against moisture, chemicals, dust, corrosion and harsh operating environments.

Applications & Typical Industries:

- *Automotive*
- *Aerospace & Defense*
- *Medical Devices*
- *Industrial Automation*
- *Consumer Electronics*
- *Telecommunications*



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Potting & Encapsulation Systems

- Epoxy
- PU
- Silicone
- UV Cure
- Thermally Conductive Potting
- Flame Retardant Potting

High-performance compounds providing insulation, mechanical protection and environmental sealing for sensitive electronic components.

Applications & Typical Industries:

- Automotive
- Electronics & Telecommunications
- Renewable Energy
- Aerospace & Defense
- Medical Devices
- Industrial Automation

POTTING & ENCAPSULATION SYSTEMS

Precision. Protection. Performance.

Advanced solutions for potting, encapsulation and casting—engineered for reliability, built for innovation.

- High Precision
- Superior Protection
- Maximum Efficiency



OUR SOLUTIONS

1. DISPENSING
High-accuracy metering and mixing systems for consistent results.



2. POTTING
Protect sensitive components from moisture, vibration and thermal stress.



3. ENCAPSULATION
Complete encapsulation for maximum reliability in demanding environments.



4. CURING
Controlled curing processes for optimal material properties and performance.



5. QUALITY CONTROL
Advanced inspection and testing for 100% quality assurance.



INNOVATIVE TECHNOLOGY
Pushing boundaries for tomorrow's challenges.



EXPERT TEAM
Skilled professionals dedicated to your success.



CUSTOM SOLUTIONS
Tailored systems to meet your unique application needs.



RELIABLE RESULTS
Engineered for performance. Proven by experience.



GLOBAL SUPPORT
Worldwide service and support you can count on.



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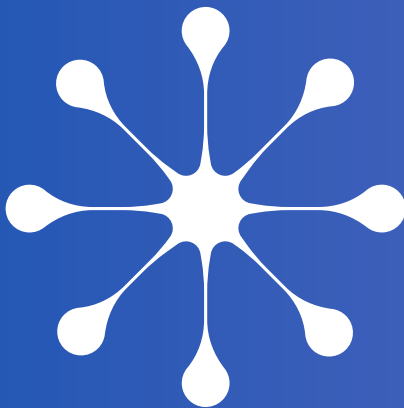
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EMI / EMC Shielding Solutions

- Conductive Foam
- Conductive Fabric
- EMI Gasket
- Conductive Tape
- Conductive Silicone
- EMI Absorber
- Microwave Absorber
- Copper Foil
- Nano Carbon Copper Foil
- Shielding Coating
- Graphite Sheet

Advanced shielding materials minimizing electromagnetic interference while ensuring reliable performance of electronic and communication systems.



- Consumer Electronics
- Telecommunications
- Automotive Electronics
- Medical Devices
- Aerospace & Defense
- Industrial Automation

EMI / EMC SHIELDING MATERIALS

Protecting Performance. Ensuring Reliability.

EMI/EMC shielding materials prevent electromagnetic interference that can disrupt electronic circuits, degrade performance, or cause system failure.



REDUCES EMI
Minimizes unwanted interference



WIDE FREQUENCY RANGE
Effective from kHz to GHz



IMPROVES RELIABILITY
Enhances signal integrity and device performance



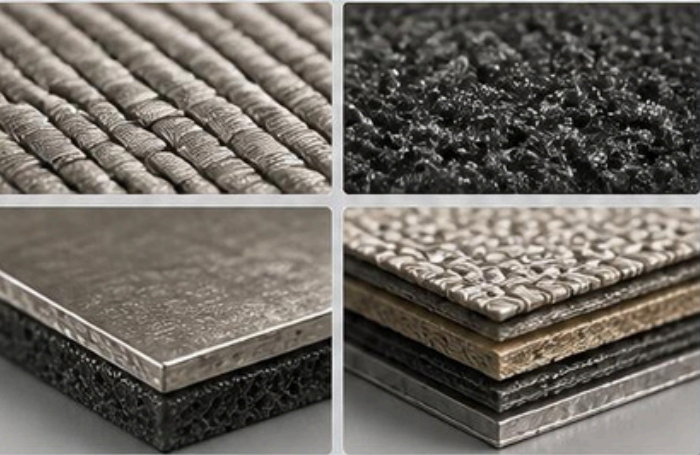
VERSATILE & CUSTOMIZABLE
Available in various forms, thicknesses & constructions



Key Properties

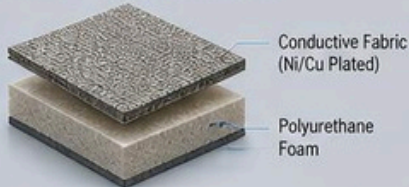
SHIELDING EFFECTIVENESS	Up to 120 dB (Depends on material and frequency)
FREQUENCY RANGE	10 kHz – 40 GHz
SURFACE RESISTIVITY	10^{-3} to 10^2 Ω /sq
THICKNESS RANGE	0.05 mm – 10 mm+
OPERATING TEMPERATURE	-40 °C to +125 °C (Varies by material)
FLAMMABILITY	UL 94 V-0 (Options Available)
ROHS / REACH COMPLIANT	✓

Close-Up: Texture & Layers

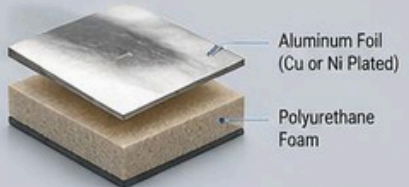


Material Constructions

FOAM + CONDUCTIVE FABRIC



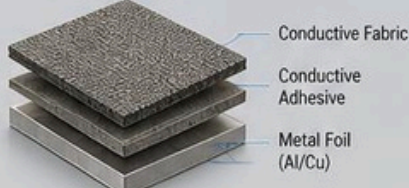
FOIL + FOAM



CONDUCTIVE RUBBER



MULTI-LAYER LAMINATE



Typical Applications

- Consumer Electronics
- Telecommunications
- Automotive Electronics
- Medical Devices
- Aerospace & Defense
- Industrial Equipment



The right shielding material. The right performance. The right solution.

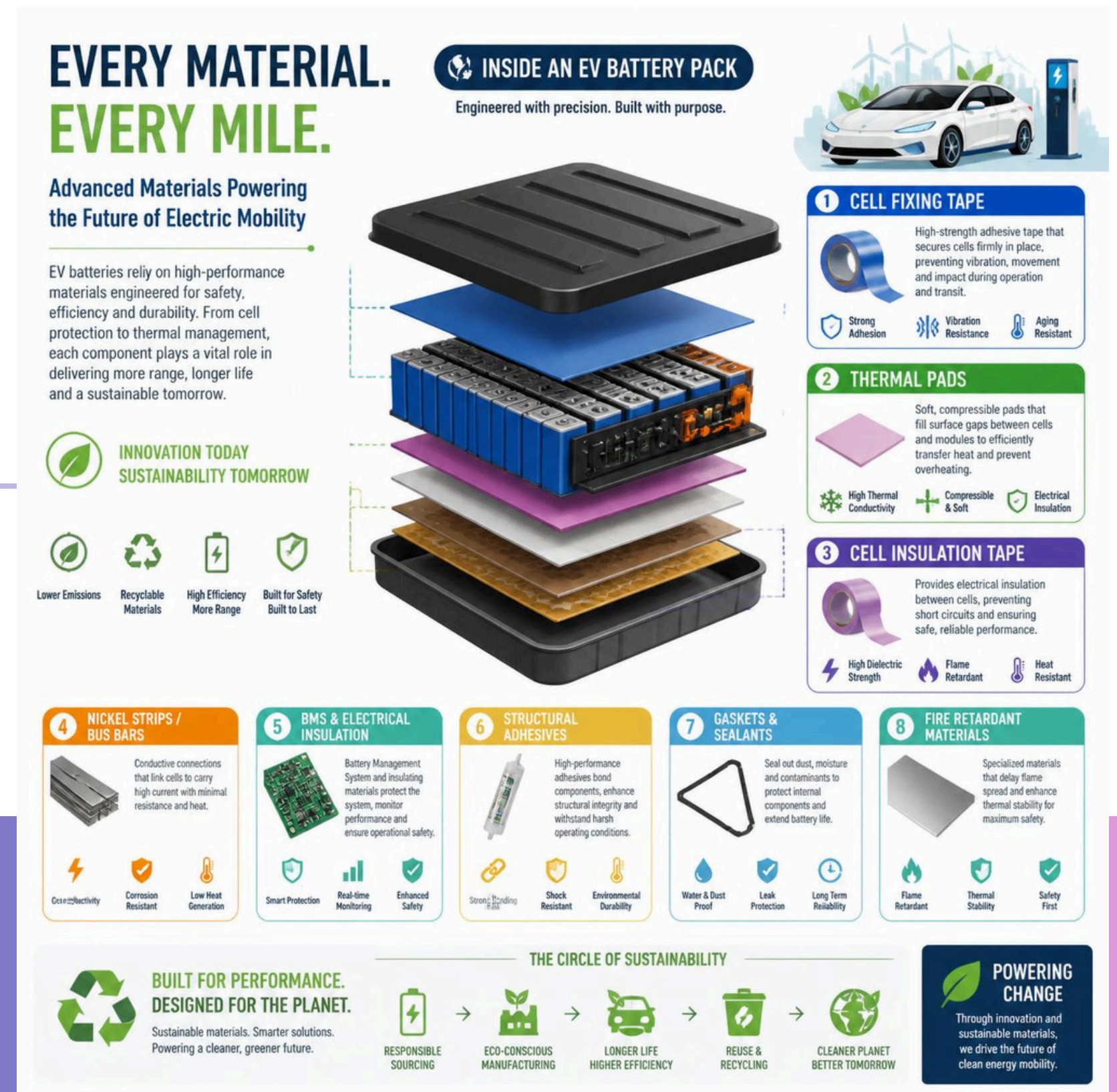
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EV Battery Materials

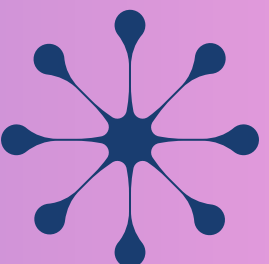
- Cell Fixing Tape
- Thermal Pad
- Gap Filler
- Compression Pad
- Busbar Insulation
- Battery Film
- Flame Retardant Tape
- Aerogel
- Mica
- Thermal Gel
- Thermal Grease
- RTV Silicone
- Potting Compound

Specialized materials enhancing battery safety, thermal management, electrical insulation and long-term performance in electric vehicles.

Specialized materials enhancing battery safety, thermal management, electrical insulation and long-term performance in electric vehicles.



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Why *PARATECH SOURCING*



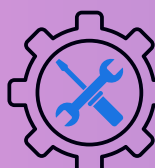
- Global Supplier Network



- Equivalent Product Identification



- Cost Optimization



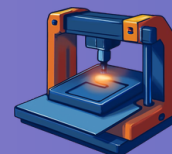
- Technical Support



- Product Sampling & Quality Testing



- Local Statutory Compliance



- Custom Die-Cutting



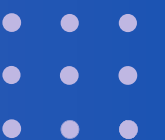
- Product Customization



- Supplier Audits



- Logistics Support



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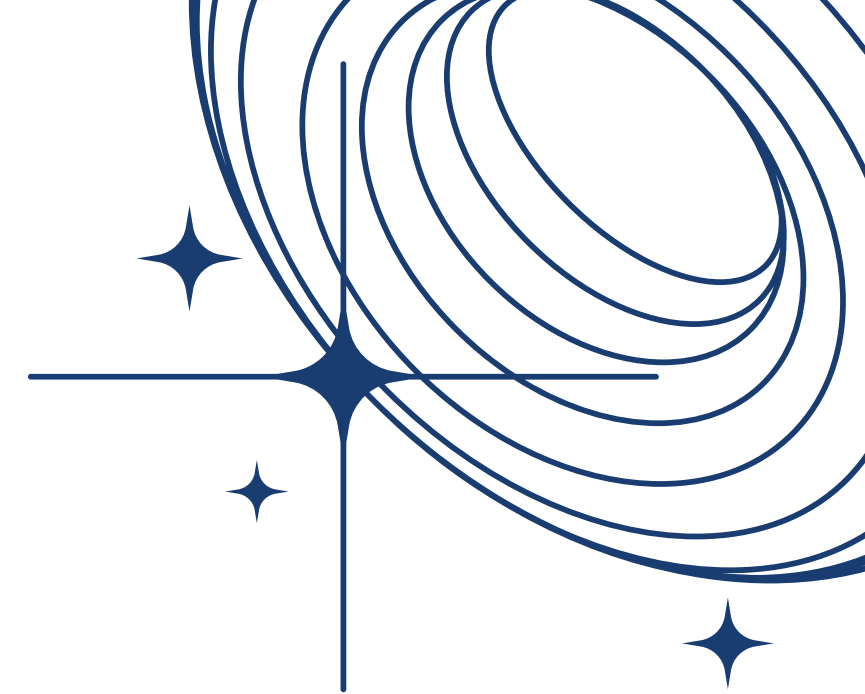
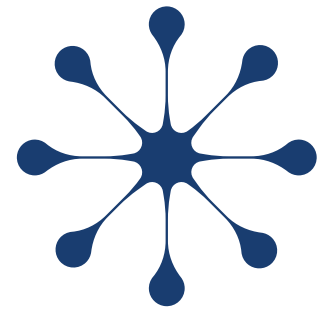
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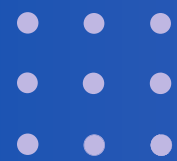
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- *Import & Export*
- *Technical Product Sourcing*
- *Electronic Materials*
- *Adhesives & Tapes*
- *Thermal Management Solutions*
- *EV Materials*
- *EMI Shielding Solutions*
- *Potting & Encapsulants*
- *Conformal Coatings*



“Connecting INDIAN SME/MSME with Global Markets”



Thank You!

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