

PROTECTING YOUR ELECTRONICS



HITEK
ELECTRONIC MATERIALS LTD

FAST & BESPOKE



JOSCAR & CYBER ESSENTIALS



AS9100D & ISO9001, ISO14001 & ISO45001



MATERIALS IN STOCK



MIL DTL - 83528 APPROVED



About us: HITEK Electronic Materials Limited, founded in 1985, headquartered in North Lincolnshire, is a trusted global partner in the Electronics Industry, boasting more than 40 years of experience in manufacturing and distribution. Our primary focus is on serving the Military Aerospace & Defence sectors, and we hold qualifications in accordance with MIL DTL 83528 QPL 9-2008. HITEK is proud to carry accreditations in AS9100D and BS EN ISO 9001:2015.

We aim to be the partner of choice for EMC, Microwave and Polymer Systems to key markets worldwide, by delivering unrivalled products, solutions, and service through continual development of our talent and technical expertise, to guide design in the protection of electronics. We offer customers prompt and effective solutions, using our excellent quality systems, processes, and technical expertise as well as our collaborative approach to partnerships.



EMI SHIELDING & SCREENING »

HITEK aren't just a distributor for some of the largest suppliers in the world, we offer specialised products fabricated within our production facility. Our products aim to provide you with the highest quality EMI Shielding performance while also fitting your design needs. With specialised machines and staff expertise in all our fabricating services. From conductive gaskets to board level shielding and precision metal parts, HITEK have the products and expertise to meet all of your EMC shielding needs and requirements.

THERMAL »

HITEK offer a broad range of Henkel Thermal Management products ranging from Gap and Sil pads to their Thermoplastics – Technomelt. We strongly recommend their gap pads within CPU cooling systems as their excellent shear and tear resistance provide excellent electrical isolation.

Technomelt offer a high performance at a low pressure moulding requirement. Due to its low viscosity it allows encapsulation of fragile components without damage. This allows for a good adhesion to a variety of substrates.

CHO-THERM high power thermal insulator pads are thermally conductive materials designed for use where the highest possible thermal, dielectric, and mechanical properties are required.

Parker Chomerics THERM-A-GAP GEL 75 is a high performance, one component, dispensable thermal interface material with 7.5 W/m-K thermal conductivity developed to conduct heat from electronics to a heat sink or enclosure.



ADHESIVES & ENCAPSULANTS »

From Henkel Bergquist adhesives and encapsulants to Permabond's massive catalogue of adhesives, HITEK have an adhesives solution to nearly all situations.

Decanting or down-packing adhesives is a key aspect of our services at HITEK. Our specially trained staff handle larger units of adhesives and encapsulants, sourced as a Henkel partner. This exclusive service positions us as the sole company in the United Kingdom capable of providing specialised sizes of Henkel adhesives and encapsulants.

HITEK's decanting and down packing services can offer a number of benefits to businesses that use adhesives. Advantages include: reduced waste, cost reduction, environmentally friendly and improved safety.



DIE-CUT & SPLICING SERVICES »

Among our primary fabrication services, HITEK provides spliced O-rings. Featuring a swift turnaround, these O-rings are crafted without incurring tooling costs, with lower minimum order quantities (MOQs).

Additionally, the MIL SPEC properties of the material seamlessly transfer to the spliced gasket produced by HITEK.

HITEK offer high quality Conductive Elastomers from Chomerics' CHO-SEAL range to make our specialised gaskets.

We offer this service across a wide range of conductive elastomers with the expertise to die-cut sheets down to your specific drawings.



XY CUTTING CAPABILITIES »

Introducing one of our newer capabilities: the provision of clean and precisely cut flat gaskets. This cost-effective and efficient solution enhances HITEK's outstanding quality by employing a multiheaded cutter, ensuring impeccable accuracy across a variety of materials.



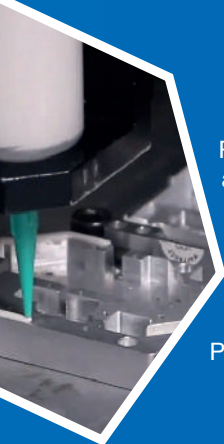
CONDUCTIVE YARNS & FABRICS »

As one of Shieldex's worldwide partners we offer their extensive range of fabric and yarns.

These offer comfortable EMI shielding solutions within the medical and clothing industries. Their highly conductive fabrics are metallised with combinations of nickel, copper and silver which is available in rip-stop, voile mesh and woven and non-woven solutions. These are then typically combined with Shieldex's Twisted and monofilament yarns.

Metallised to give excellent performance, these provide electrically conductive paths within technical textiles this allows you to combine fabrics into clothing or other things maintaining their EMI shielding capabilities.





FORM-IN-PLACE »

Parker Chomerics' CHO-FORM (Conductive) and ParPHorm (non-conductive) are two types of form-in-place gasketing materials that are used in a variety of industries, including electronics, automotive, and aerospace. These materials are able to conform to complex shapes and create a watertight seal, making them ideal for applications where traditional gaskets cannot be used.

HITEK offers a form-in-place gasketing service that uses CHO-FORM and ParPHorm to create custom gaskets for a wide range of applications. Our team of experienced technicians can work with you to design and manufacture a gasket that meets your specific needs.

PORTABLE SHIELDED ENCLOSURES »

The significance of shielded enclosures becomes apparent, as their design effectively prevents electromagnetic interference from occurring. Designed for applications that require an interference free environment for design verification, performance testing, pre-compliance tests, production line measurements and quality assurance tests.

- Isolate sensitive and susceptible medical equipment
- Large equipment and vehicle testing
- Secure communications chamber
- Pre-compliance testing
- Prototype testing
- On-site testing

IGOS ENCLOSURES »

With a vast array of sizes and shapes IGOS shielded boxes and ovens are designed for many differing setups. Whether you need to test at differing temperatures (OV), or just to store in a rack shelving system.

We recommend the IG-460B Shielded enclosure, with its build in gloves and webcam, you are able to interrogate and observe electronic devices within the box, without exposing them to potentially dangerous wireless signals.

These boxes are ideal for police forces, forensics teams requiring this form of EMI Shielding.



PERMABOND »

Permabond are a leading manufacturer of engineering adhesives with a strong history of innovation.

Permabond provide a broad range of adhesives ranging from Cyanoacrylates (super glue) for the quick and simple jobs, through to their Structural Acrylics for the precise and intricate bonding situations.

ANTI-CORROSION »

Protection & Removal

Outstanding materials from Cortec that protect systems, parts and equipment from corrosion. Providing superior corrosion protection in adverse conditions and the ability of use on multiple metals.

Applications

VpCI or Vapour phase Corrosion Inhibitors are a revolutionary technology that simplifies corrosion protection and is ideal for keeping enclosed void spaces (e.g. packages, equipment internals, or structural metal cavities) rust-free.

VpCI can be supplied in many forms, from packaging materials to additives for water, oil and fuel systems.

- Machined parts protection
- Shipping protection
- Short to long-term protection of assets during lay-up maintenance periods
- Long-term storage without the need for controlled humidity environments
- Reduced corrosion rates for equipment in use in high corrosion environment



HSL DESCALER »

Industrial descalers are used to remove limescale from water systems. They are environmentally friendly with one of the lowest corrosion rates on the market.



BEFORE »

AFTER »



JIM LAWTON
Managing Director



ROGER DENT
Operations Director



RICHARD FORD
Finance Director



MARK HATFIELD *CMgr MCM1*
Operations Manager



CAMERON FINCH
Business Development Manager
UK North and Ireland



MO KHAN
Business Development Manager
UK South



DAVID MCALLISTER
Technical Manager



DAN BROWN
Costings Lead



HANNAH DALTON
Costings

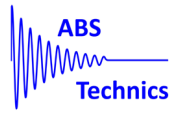




EMI Shielding & Thermal
Management Solutions



Encapsulants,
Adhesives &
Compounds



Microwave
Absorber Materials



Engineering Adhesives

shieldex

Highly Conductive Yarns
& Textiles



Highly Conductive Yarns
& Fabrics

tecan

RFI & EMI Shielding &
Screening Solutions



Precision Metal Parts



Environmentally Friendly Vapour
Corrosion Protection Solutions



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