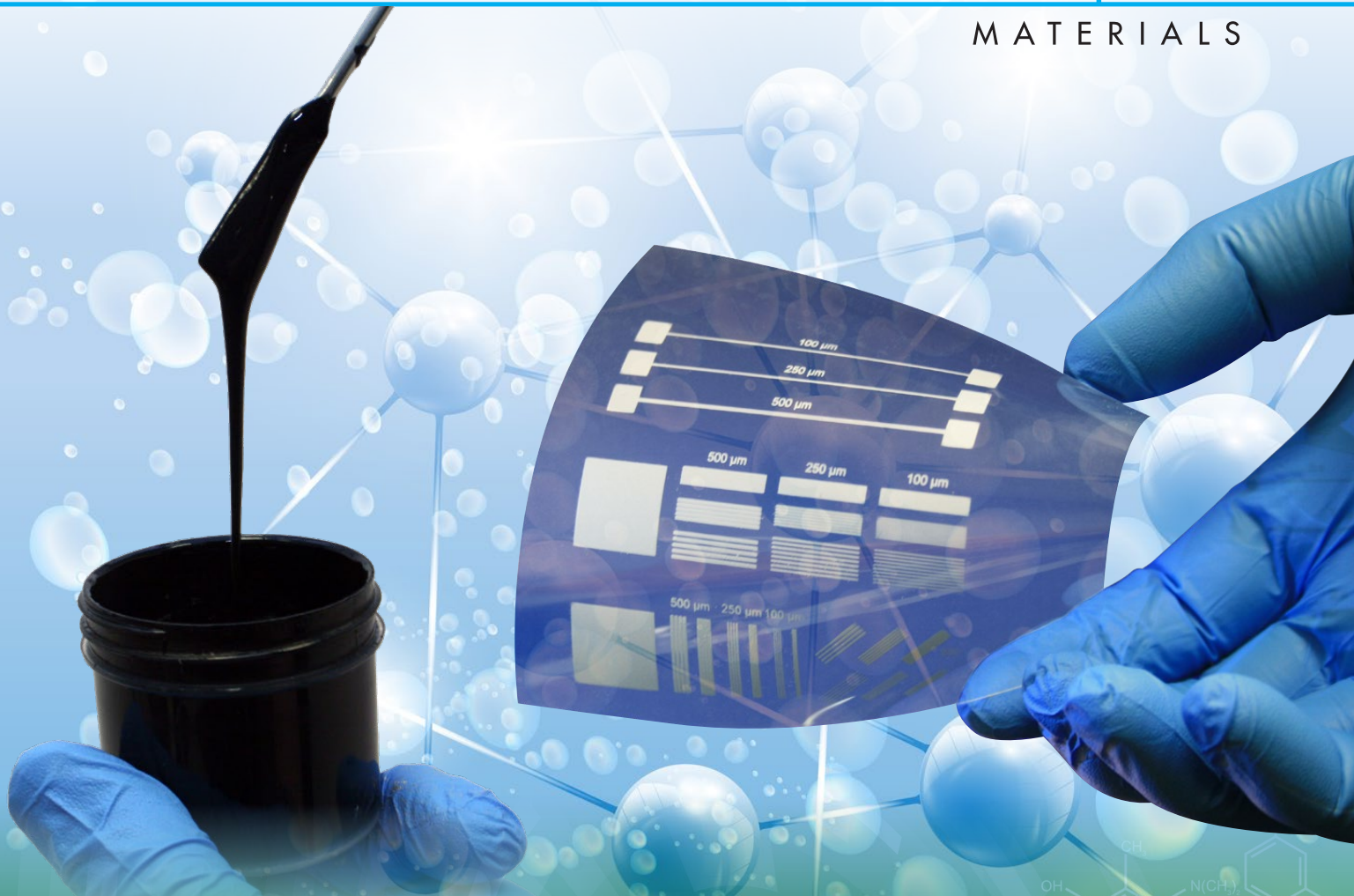


*The difference is material*

DYCOTE<sup>C</sup>EC  
MATERIALS



# The difference is material

## Introduction to the Company

Dycotec Materials Ltd is an advanced materials company that develops, manufactures and globally distributes electrically and thermally conductive, adhesive, insulator and overcoat inks and sheets. In addition to our standard range of products, we also work with our customers to tailor materials specifically to meet their requirements.

At our purpose built Technology Centre in the UK, our materials are subjected to rigorous testing standards to ensure approval in applications for the military and industrial sectors. We provide materials from sample quantity to high volume, working collaboratively with our customers to ensure rapid adoption of our materials in their products.

## Tailored Material Service

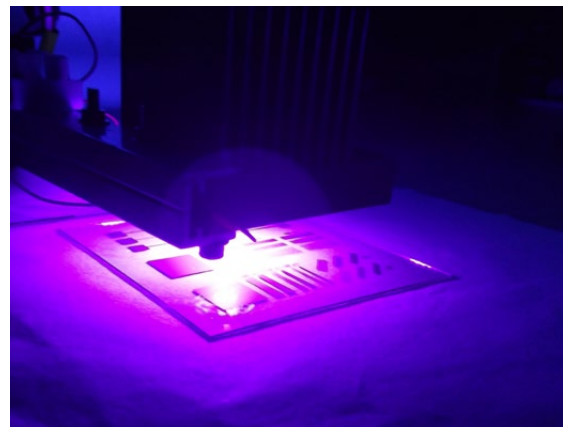
Dycotec Materials have unparalleled experience in the development of tailored material solutions for a broad range of deposition techniques including:

- Electronically conductive
- Transparent conductive
- Thermally conductive pastes and sheets
- Barrier and overcoat layers
- Insulating dielectric layers
- Adhesives
- Development of smart coatings technology

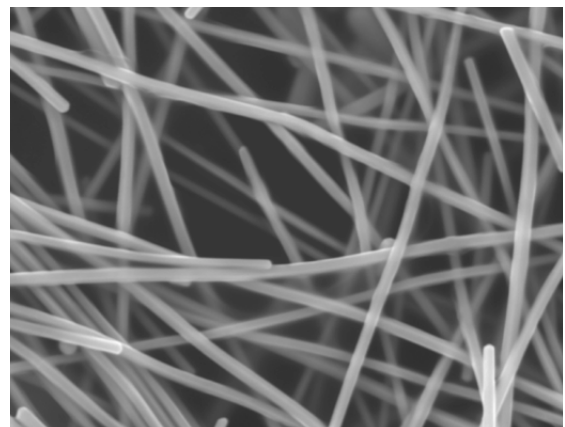
We tailor our materials to meet the exacting specification requirements of our customers. Our materials are designed to be highly durable offering excellent chemical resistance and mechanical performance. We work in close collaboration with our customers to ensure materials developed can be readily adopted in production by ensuring the inks are compatible with existing process technology including deposition techniques such as ink-jet, spray, flat-bed and rotary screen and syringe printing.

## Dedicated Engineering Support

To support our customers' product development, using our advanced materials systems, we have a dedicated engineering team with a diverse range of skill sets including capabilities in software development, electronics design and 3D mechanical design and assembly. This enables Dycotec Materials to efficiently take our customers' concepts from prototype to product launch.



UV curable overcoat layers



Transparent Conductive Materials

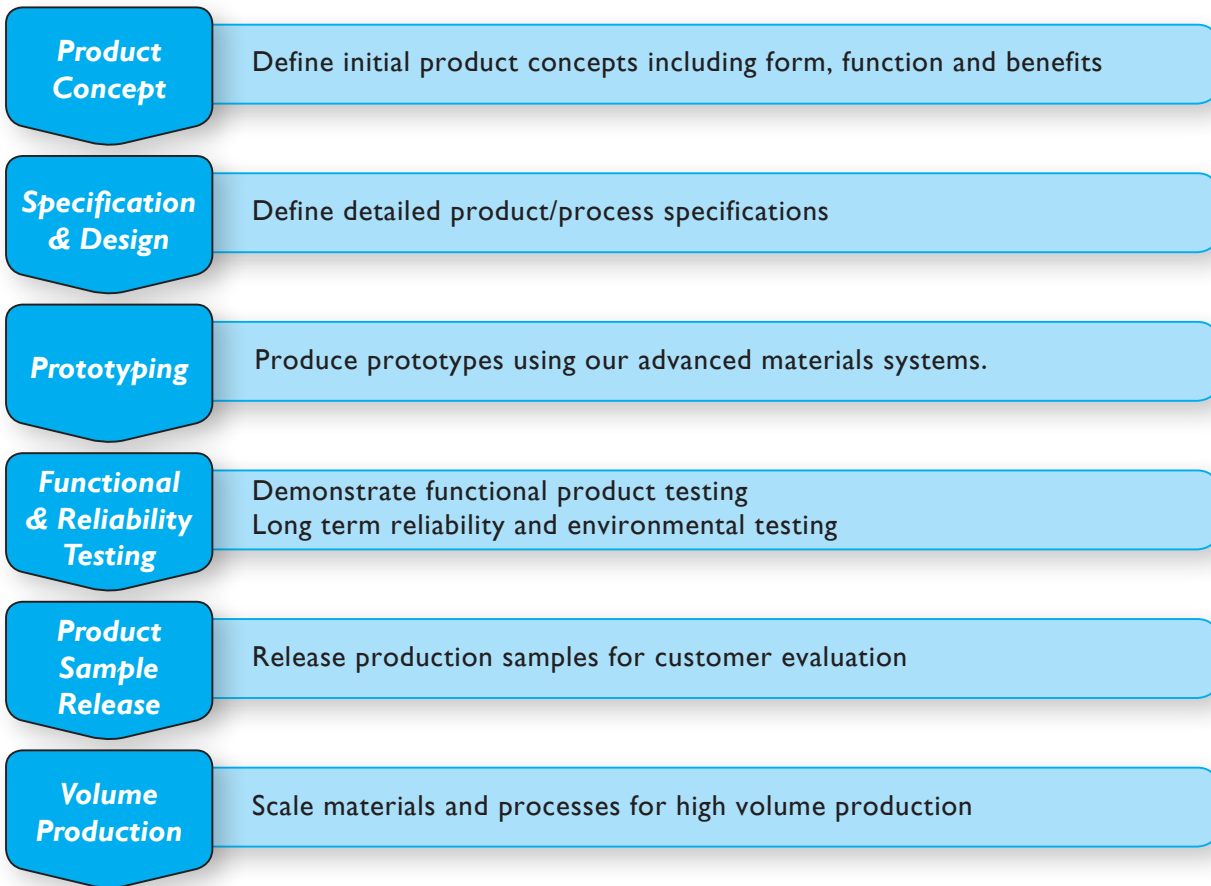
## Products

Product Name	Type	Deposition Method	Typical Application
DM-SIP-2100 DM-ENC-2500	Stretchable Conductive	Screen	Stretchable conductive and encapsulating pastes for wearable applications.
DM-SIP-3000S Series DM-SIP-3100 Series	Silver Conductive	Screen/Syringe	High electrical conductivity silver and nanosilver pastes suitable for thin film solar cell, sensors & printed electronics
DM-CAP-4000S Series	Carbon Conductive	Screen	Resistive pastes for hard wearing applications such as potentiometer and printed resistors
DM-CAP-4300 Series DM-CAP-4400 Series DM-CAP-4500 Series	Carbon Conductive	Screen	Resistive pastes (10-10k $\Omega/\square$ ) for heaters, medical devices and sensors. Compatible with PET.
DM-CUI-5002	Copper Conductive	Ink-jet	For thin-film PV & general printed electronics use.
DM-CUP-5000 Series	Copper Conductive	Screen, syringe	Nanocopper pastes for use on low temperature substrates for antenna, automotive and semiconductor
DM-OC-6000 Series	Protective Overcoat	Ink-jet, slot-die, spray	UV curable. High Abrasion resistance overcoat layer for touch-screen, display, OLED & general printed electronics
DM-OC-6010S DM-OC-6020S	Protective Overcoat	Screen	Thermal/UV curable. High abrasion resistance overcoat layer for touch-screen, display, OLED & general printed electronics
DM-INI-7003	Insulator	Ink-jet	UV curable insulator. For thin-film PV and multilayer PCB
DM-IN-7010S	Insulator	Screen	UV curable insulator. For multilayer flex PCB, PV, OLED & general printed electronics
DM-IN-7020S	Insulator	Screen	Thermally curable insulator. For multilayer PCB, PV, OLED & general printed electronics
DM-SNW-8000 Series	Transparent Conductive	Spin-coat, Slot-die, Spray	Thin-film PV, touch-screen
DM-GRA-9000 Series	Graphene Conductive	Spray, Inkjet	Sensors & general printed electronics use
DM-GRA-9100 Series	Graphene Hybrid Conductive	Screen	General printed electronics use
DM-SAS-10000 Series	Conductive Assembly	Screen, manual	General electronics use
DM-AS-11001	Adhesive	Screen, manual	General electronics use
DM-UVR-12001	UV Reflective	Spray, Screen	LED & industrial use.
TRIUMPHANT PCM Series	Thermally Conductive	Paste	Microprocessor, graphic cards, IGBT, MOSFET, Automotive

# Concept to Product

We work closely with our customers either as part of joint development agreements, offering complete product management services or smaller proof of concept/feasibility studies.

We operate at every stage of the product development process.



Dycotec Materials offer very rapid turn around time on material, process and product development. We are flexible in how we work with our customers handling a variety of projects from just a few days of consultancy to identify suitable material systems to complete product development and volume material supply.

**DYCOTEC**  
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