

The difference is material

DYCOTE^CEC
MATERIALS



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Introduction to the Company

Dycotec Materials Ltd, based in the UK, is an advanced materials company developing, manufacturing and globally distributing; conductive, insulator and overcoat layer inks and coatings for electronics and clean technology applications. In addition to our standard range of products, we work with our customers to tailor materials specifically to meet their requirements.

Our materials are subjected to rigorous testing standards to ensure approval in applications for the military and industrial sectors. Working in conjunction with our materials development activities, our dedicated engineering team has expertise in electronics design and software development to advance our customers' concepts from prototype through to production.

Tailored Material Service

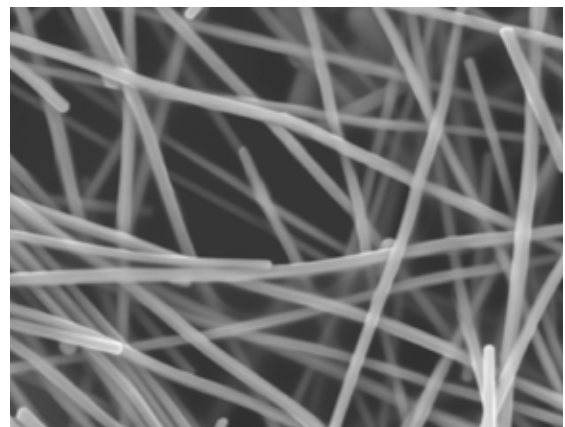
Dycotec Materials have unparalleled experience in the development of tailored material solutions for a broad range of deposition techniques including:

- Electronically conductive including transparent conductive materials
- Thermally conductive inks
- Barrier and overcoat layers designed to protect underlying electronic circuitry
- Production of insulating dielectric layers
- Production of materials with specific light reflective or fluorescent properties
- 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 and mechanical resistance. 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, screen and syringe printing.



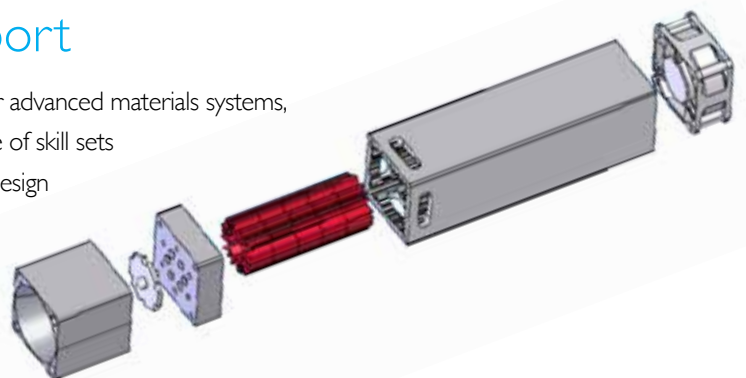
DM-UVC-380 Curing equipment



Silver nanowires (TC-SC-50011)

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.



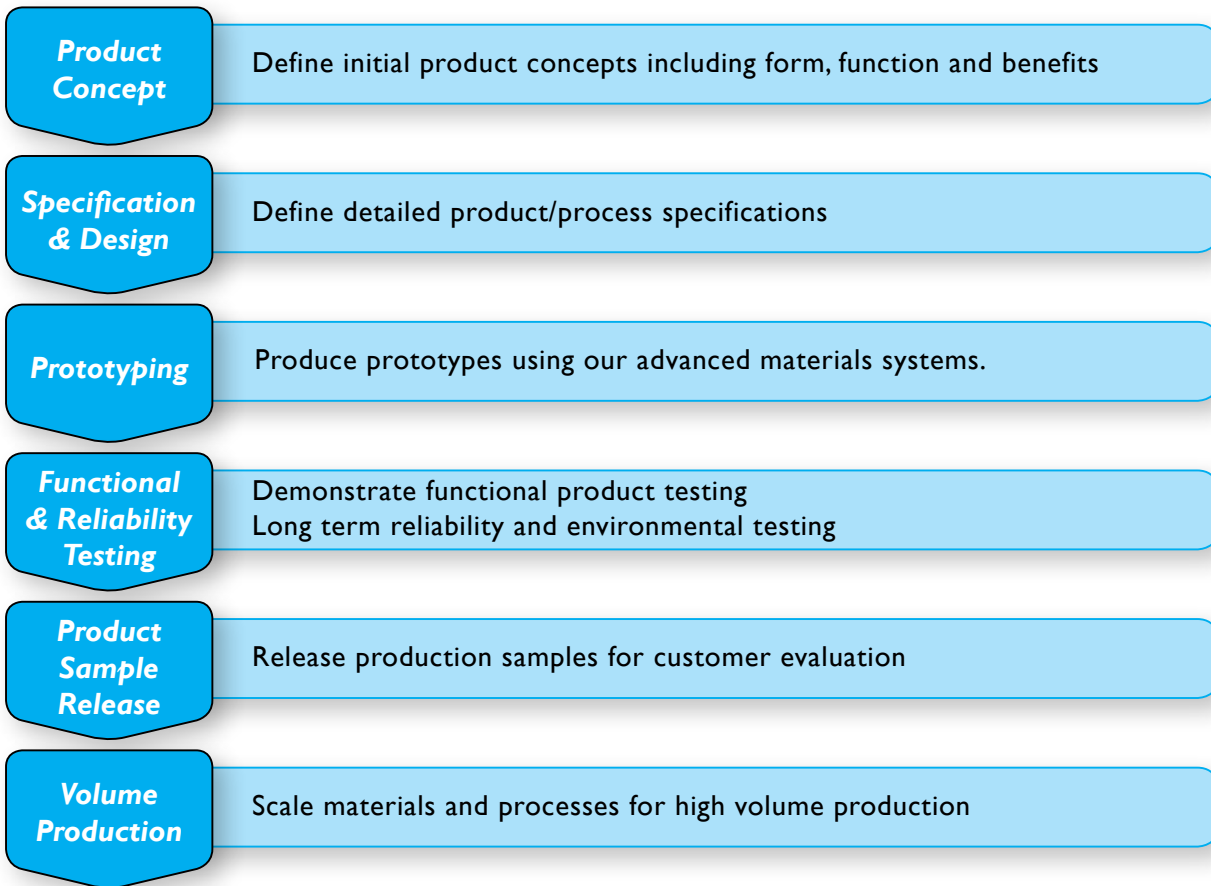
Products

Product Name	Type	Deposition Method	Typical Application
DM-SIP-3002S	Silver Conductive	Screen	Rugged applications, acid and water resistant for use in sensors, display & general electronics
DM-SIP-3012S	Silver Conductive	Screen	Thin-film PV, sensors & general electronics
DIM-SIP-3013S	Silver Conductive	Screen	Low temperature sintered paste for general printed electronics use
DM-SIP-3060	Silver Conductive	Screen, Stencil, Syringe	High conductivity paste suitable for applications such as thin film PV, RFID and general electronics
DM-CAP-4000 Series	Carbon Conductive with a range of electrical conductivities	Screen	Resistive Pastes for hard wearing applications such as printed resistors and potentiometers
DM-CAP-4300 Series	Carbon Conductive with a range of electrical conductivities	Screen	Resistive Pastes for flexible low temperature substrates for sensors, thin-film PV & general electronics use
DM-CUI-5001	Copper Conductive	Inkjet	Thin-film PV, automotive, RFID, aerospace & general electronics use
DM-CUI-5005	Copper Conductive	Inkjet	Thin-film PV, automotive, RFID, aerospace & general electronics use
DM-CUP-5051	Copper Conductive	Screen, stencil, syringe	Thin-film PV, automotive, antenna, aerospace & general electronics use
DM-CUP-5052	Copper Conductive	Screen, stencil, syringe	Thin-film PV, automotive, antenna, aerospace & general electronics use
DM-CUP-5200	Copper Conductive	Screen, stencil, syringe	Thin-film PV, automotive, antenna, aerospace & general electronics use
DM-OC-6000 Series	UV Curable Protective Overcoat	Ink-Jet	Touch screen, OLED, thin film PV, hybrid electronics, multilayer
DM-OC-6010S	UV Curable Protective Overcoat	Screen	Touch screen, OLED, hybrid electronics, multilayer
DM-OC-6020S	Thermally Curable Overcoat	Screen	Touch screen, OLED, hybrid electronics, multilayer
DM-IN-7000 Series	UV Curable Insulator	Ink-jet	OLED, thin film PV, hybrid electronics, multilayer
DM-IN-7010S	UV Curable Insulator	Screen	OLED, thin film PV, hybrid electronics, multilayer
DM-IN-7020S	Thermally Curable Insulator	Screen	OLED, hybrid electronics, multilayer
DM-SNW-8000 Series	Transparent Conductive	Spin-coat, slot-die, spray	Thin-film PV, touch-screen
DM-GRA-9000 Series	Graphene Conductive	Spin-coat, slot-die, spray, ink-jet	Sensors & general electronics use
DM-GRA-9100	Graphene Conductive	Screen	General electronics use
DM-SAS-10000 Series	Assembly	Screen print, brush	General electronics use
DM-UVR-11001	UV Reflective	Spray, slot die	Hard wearing coatings for general electronics use

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.

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