

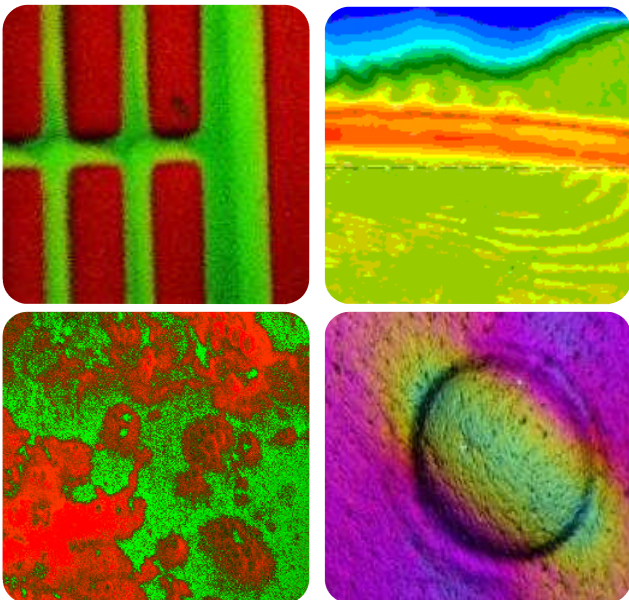
Specialist Analytical Services for Plastic/ Flexible Electronics

Why Intertek MSG?

Intertek MSG's expertise in polymer characterisation and problem solving has spanned over 30 years.

- R&D & Production Support
- Defect & Contamination Analysis
- Surface & Interface Expertise
- Adhesion & Failure
- Chemical Imaging
- Deformulation

This experience has been applied to the development of the latest generation of flexible electronics to benefit our clients in R&D, production and commercial roles.



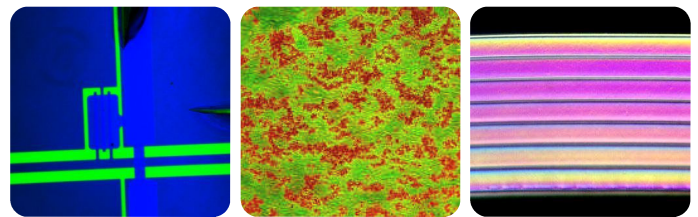
Experience

Systems: OSC, OLED, PLED, TFT, OTFT, LEP, LCD, PV, OPV, RFID, OFET, solar cells, FPD, etc.

Substrates: PET, PEN, PC, acrylic, PS, PEEK, metal, glass, etc

Coatings: Planariser, pretreat, ITO, ZnO, AlO, Cu, Ti, Au, Ag etc.

Others: Adhesives, nano-materials, active matrix, inks, additives, PA, PEDOT, PSS, packaging, etc.



Expertise

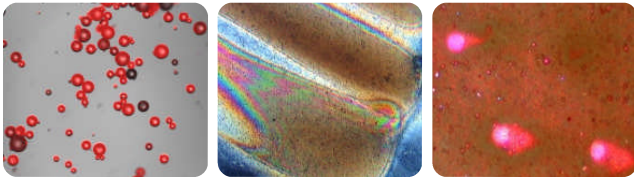
- Composition and deformulation
- Substrate and laminate morphology
- Active matrix blend characterisation
- Coating chemistry and continuity
- Delamination and plane of failure
- Contamination and defect analysis
- Fault investigations and resolution
- Additive and filler (nano) dispersion
- Trace level impurities and residuals
- Inorganic grain boundary, crystal form
- Phase separation, material compatibility
- Surface treatment effects, annealing
- Print quality and surface chemistry
- Raw material quality control
- Metallisation cleanliness, work function
- Layer thickness, laminate structure
- Adhesive characterisation, performance
- Chemical imaging

Characterised by Expertise

Equipment

Intertek MSG offers a full range of analytical and physical capabilities.

XPS/SIMS, IR/RAMAN, NMR, MS, TEM, SEM, EDX, XRD, NMR, ICP, XRF, IA, TA, mechanical, rheological, GC/LC, GPC, etc.



Intertek also offers:

In the field of electrical equipment and electronics, Intertek also offers its certification and validation services. See www.intertek.com or ask for more detail.

Give us a call to find out if we can assist you.

Contact us:

If you would like to learn more about MSG's capabilities and how they might be used to help your business, please address your enquiries to Drs Allan Stewart or Simon Allen.

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Characterised by Expertise