Solve static electricity problems!

Electrostatic damage (ESD) in electronics manufacturing

A small amount of static electricity can damage sensitive electronic components, causing failures, reduced reliability and product reputation, and increased rework costs. High expertise consultancy services provide a cost effective contribution to electronics manufacturing Quality Assurance, helping the client get the best out of their facilities. Electrostatic Solutions offers independent static electricity expertise to work with client in-house staff, bringing the advantage of experience in a wide range of manufacturing situations.

- Site surveys
- Electrostatic damage risk assessment
- EPA design and implementation advisory services
- Independent site survey or audit
- EPA equipment and furniture evaluation
- Seminars and courses

Static electricity hazards and nuisance

- Design for reduction and control of static electricity
- Static electricity in tools, machinery and manufacturing processes
- Static in buildings and working environments
- Static spark explosion hazards advisory

Applications of static electricity

Electrostatic technologies feature low energy consumption and offer solutions where few other competing technologies exist, e.g.

- Electrostatic separation of materials for recycling
- Electrostatic atomisation and paint spraying
- Many other possible applications - contact us to discuss your ideas
Finite Element electrostatic modelling

- Electric field & potential visualisation
- Electron or ion trajectory
- Electrostatic force calculation
- Capacitance calculation

Materials for electrostatics

- Materials selection and specification
- Static electrification and charge decay measurements
- Resistivity, dielectric permittivity and loss measurements under controlled atmospheric humidity
- Conductive polymer applications

General consultancy facilities and services

- Literature and patent search
- Electrostatics in British, European and International Standards advisory services

Electrostatic Solutions maintains close monitoring of key electrostatic standards and technology areas. This enables us to provide top level R&D and consultancy taking account of likely future developments.

Special client services

Our aim is to foster a Client-Consultant relationship which optimises the consultancy value to the client. The consultant's understanding of the client's particular needs is enhanced by regular easy and informal consultancy contact. We are happy to offer services tailored to our clients needs, including consultancy and R&D support by phone, fax and internet. These services are particularly attractive to clients wishing to have top quality electrostatics expertise supporting their in-house team.

- Consultancy by phone, fax, internet and email
- Other services by arrangement, tailored to clients needs

Contact Information

If you would like to discuss static electricity solutions, please contact Dr Jeremy Smallwood at

Electrostatic Solutions Ltd

Telephone: +44 (0)23 8090 5600

Email: jeremys@electrostatics.net

13 Redhill Crescent, Bassett, Southampton, Hampshire, SO16 7BQ, UK.

http://www.electrostatics.net