



## PRODUCT PERFORMANCE FRACTURE ANALYSIS

**Glass fracture and failure analysis is a powerful technique that allows the root cause of glass failure to be determined.**

Causes include design problems, glass quality issues, manufacturing problems, inadequate surface protection, handling and abuse.

Determining the true cause of failure can help to eliminate future problems and resolve disputes, whether between manufacturer and supplier, or when the end user has experienced glass failure. In the case of injury, where perhaps a claim may be pending, expert witness services can be offered.



The benefits of using our specialist glass services are independence, confidentiality and flexibility.

### SERVICES AVAILABLE

- Reconstruction of failed articles
- Interpretation of fracture patterns
- Analysis of fracture origins
- Scanning Electron Microscopy (SEM)

### EXAMPLES OF THE RANGE OF GLASS PRODUCTS COVERED

- Glazing – failure of both normal annealed glass and toughened glass
- Chemical plant (ie glass in reaction vessels, sight glass, condenser tubes)
- Bottles and Jars
- Domestic glass
- Technical glass
- Pharmaceutical glass
- Industrial Equipment glass

### RELATED SERVICES

- Product Evaluation
- Expert Witness Service
- Glass Defect Analysis
- Mechanical Testing
- Consultancy
- Training

**If you would like further information please contact the Product Performance Department.**

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