SMART Group Scotland are delighted to be able to run the first event of its kind in the UK. Covering the main cleaning topics relating to current board assembly, our full-day hands-on workshop will not just discuss the issues but will allow you to see the results for yourself as we process a selection of assemblies through both water-based and solvent cleaning equipment.

- Facing a need to clean assemblies following the move to lead-free?
- Asked to improve cosmetic appearance or to apply a conformal coating?
- Concerned about contamination-related failures?
- Messy jigs or misprints to clean up?
- Confused about the costs of different technologies?
- Don’t know whether to go for a batch or in-line solution?
- Worried about the impact of cleaning on the environment?
- Want practical solutions and not just theory?
- Uncertain how to be sure that your cleaning has been effective?

If this describes your challenges, come to this unique event, and get access both to expertise and a wide range of equipment.

9:00am  Registration starts – tea/coffee available
9.30am  Chairman’s welcome

Bob Willis (SMART Group): “Why do we need to clean?” “How clean is clean?”
“Design for cleaning” “Component compatibility for cleaning”

Tom Forsyth (Kyzen Corporation): “21st Century cleaning chemistries”

Graham Fraser (Fraser Cleaning Technologies): “Cleaning equipment technologies”

12.30pm  Buffet lunch
1.15pm  Hands-on workshop
Workshop equipment includes:
- Aqueous ultrasonic batch-cleaning (4-stage: wash; rinse; DI rinse; hot air dry)
- Aqueous batch spray-wash (spray wash; DI rinse; hot air dry)
- Non-flammable solvent batch-cleaning (immersion wash + rinse; vapour rinse; dry)
- Ultrasonic stencil and misprint cleaning system

3.30pm  End of workshop
Please reserve _____ places at the User workshop: Cleaning electronic assemblies 27th February
£50 SMART Group members / £100 Non-members ( + VAT)
Special offer: book three places for the price of two

Name: _____________________________________________ Name/s: _____________________________________________
Company: ___________________________________________ Address: ________________________________________________
Telephone: _________________________________________ Fax: ____________________________________________________
Email: ___________________________________________ @ _______________________________________________________
Emails: ___________________________________________ @ _______________________________________________________
Card type: Visa/Mastercard Card no: ____________________________
Card expiry date: ________________ Card security code (3 numerals on signature strip) ___________
Signature: ____________________________________________

Directions to the venue:

Fraser Cleaning Technologies, 24 Grange Road, Houstoun Industrial Estate, Livingston, West Lothian EH54 5DE

From Glasgow and Edinburgh
M8 to Junction 3 From Glasgow, follow the spur road to Livingston East Roundabout and take the first exit (A899, Livingston and West Calder); from Edinburgh, take the left-hand slip road, merging onto the A899.

After 600m, turn off left at the first junction onto Houston Road (east-bound).

After 400m, turn right onto Grange Road.

Fraser’s offices can be seen on the left after 300m.

From Livingston Centre
A899 Livingston spine road northwards to the final junction before the Deer Park Services.

Take the second slip road, marked Houston Industrial Estate, and join Houston Road (east-bound). After 400m, turn right onto Grange Road. Fraser’s offices can be seen on the left after 300m.

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