WORKSHOP

ARCHITECTURAL GLASS QUALITY

SUMMARY

The "must attend" workshop for all architectural glass professionals to discover the latest innovations in the glass quality assessment.

In the morning part of this workshop, a summary of norms governing the architectural glass and how they impact the quality will be covered. Subsequently four measurement instrumentation companies present their solutions for quality control and process support for the production of quality glass.

During the afternoon, participants are invited to visit Glaston facilities to check out the air furnace (i.e. I-look) and Rakla factory to have a look at Sparklike devices, in order to see how these solutions are implemented.

Participants are strongly invited to bring their own small samples (size 35 x 35 cm) or architectural glass, whether they are laminated tempered or IGUs.

KEY POINTS

Measurement Covered During the Workshop:

- Ayrox
  Offline solutions for precise surface stress, roller wave and edge lift measurements according to EN and ASTM norms.
- Glaston
  Online measurement applications for tempering lines. Featuring roller wave, edge lift and anisotropy measurement.
- Sparklike
  Non-invasive gas measurement for i) standard double glazed IGU's and ii) triple glazed insulating glass units with coating and lamination
- Suragus
  Inline, offline and mobile glass characterization through the measurement of metal layer thickness, sheet resistance and emissivity.

TIMETABLE

9.00	Introduction to Architectural glass EU norms
9.15	Glaston
9:35	Spraklike
9:55	Suragus
10:15	Ayrox
10:30	Measurements of samples
12:00	Lunch
13:00	Visit to Glaston R&D
14:30	Visit to Rakla
16:00	End

Duration: 7 hours

ORGANISERS

Mikko Suomi, Ayrox
Mikko Suomi is a Technical Manager at Ayrox scrl. He joined Ayrox in 2003 as a technical specialist for optical stress measurement and calibration of the related instruments. In 2008 he moved to the PVB shaping and stretching development team where he is active in the R&D as well as in the installation of the machinery at clients' premises. For over ten years he has taken an active part in problem solving services, from glass breakage to dysfunctional machinery. The combination of theoretical, practical and R&D experience makes him the person in our team for all glass quality control solutions.

Mauri Saksala, Sparklike
Mauri Saksala has been working within the glass industry for over 25 years. He has held positions such as Advisor for International Sales, Key Account Director for Glaston (former Tamglass) and worked as Sales Director for Rakennuskone Oy. Mr. Saksala is currently working as Sales Director for Sparklike Oy.

Janne Aittokallio, Glaston Finland Oy
Janne Aittokallio is an Application Engineer at Glaston. He joined Glaston in 2008, as a software testing engineer for the iControl furnace operating system. Since 2012 he has been involved in the iLooK online glass quality measurement system development and installations.

Markus Klein, Sugarus GmbH
Dipl.-Wi.-Ing. Marcus Klein is managing director of SURAGUS GmbH. He got his master degree in Business and Engineering from University of Technology Dresden focusing on microelectronics and electronic packaging. Past working experiences include Siemens Pte Singapore, Wacker Chemie, Advanced Mask Technology Center and Fraunhofer Institute for non-destructive testing Dresden. He is managing director of SURAGUS since 2010.

Riku Färm, Glaston Finland Oy
Riku Färm is working as a product manager at Glaston. He joined Glaston in 2015 to do his Master's thesis and stayed with the company after graduating. Currently he is responsible for Glaston Insight product family.