

Introduction to Aluminium Surfaces & Treatments.

This training course equips delegates with a solid foundational understanding of aluminium surfaces and treatments. Whilst it is pitched at an introductory level, the topics are explored in some depth.

We aim to bridge the gap between fundamental knowledge and real-world applications to ensure that delegates are well-prepared to address processing challenges and contribute to maintaining high product quality.

This 2 x 0.5-day online training course contains the following modules:

Aluminium surfaces.

- Surface characteristics
- Surface generation during processing
- Factors affecting surface properties
- Quality requirements and inspection
- Common product defects

Surface cleaning.

- Objectives of surface cleaning
- Cleaning types and reaction mechanisms
- Critical control parameters in production
- Evaluation of surface cleanliness
- Common issues and remedies

Surface pretreatment.

- Typical requirements
- Pretreatment developments
- Formation mechanisms
- Automotive pretreatments
- Application techniques

Anodising.

- Purpose of anodising
- Mechanism of anodising
- Influence of processing parameters
- Anodising types and applications
- Common issues and remedies

Surface coating.

- General characteristics
- Adhesion properties
- Coating chemistry
- Performance testing
- Coating modifications

Sample agenda:

Day 1	Day 2
Welcome and brief introduction to Innoval Technology (TBC) 09:00 - 09:20	Surface Pretreatment 09:00 - 10:00
Aluminium Surfaces 09:20 - 10:20	BREAK 10:00 - 10:10
BREAK 10:20 - 10:30	Anodising 10:10 - 11:10
Surface Cleaning 1 10:30 - 11:30	BREAK 11:10 - 11:20
BREAK 11:30 - 11:40	Surface Coating 11:20 - 12:20
Surface Cleaning 2 11:40 - 12:30	Final Q&A and Wrap-up (TBC) 12:20 - 12:30

For more information please contact

Jordan Holland

Tel: +44 (0) 1709724300

Mobile: +44 (0) 7739296194

Jordan.holland@innovaltec.com