

**'Introduction to Aerosol Technology'  
Training Workshop**

**WEDNESDAY 27<sup>TH</sup> AUGUST 2025**

Room 2305, Macquarie University City Campus,  
'Angel Place', 123 Pitt St, Sydney 2000.  
[ACCESS VIA LEVEL 24]



**REGISTRATION & WELCOME COFFEE – Room 2305**

**8:30 onwards**

**Welcome & Housekeeping (15 mins)**

9:00 – 9:15

Philip Fleming,

Executive Director, Aerosol Association of Australia

**Aerosols: The Basics (40 mins)**

9:15 – 9:55

David Cowper,

Product Realisation Manager, Ensign Laboratories

*An overview of the possibilities of the aerosol, the various potential applications and the principles and technologies that lie behind them.*

**COFFEE BREAK – FOYER (20 mins)**

**9:55 – 10:15**

**Aerosol Containers: Steel (40 mins)**

10:15 – 10:55

John Oppy,

Business Development Manager, NCI Packaging

*How steel (tinplate) aerosol cans are manufactured and decorated, their benefits and performance considerations.*

**Aerosol Containers: Aluminium (45 mins)**

10:55 – 11:40

Ron Smith,

Aerosols Technical Manager, Jamestrong Packaging

*How aluminium aerosol cans are manufactured and decorated, their benefits and performance considerations.*

**Valves and Actuators (30 mins)**

11:40 – 12:10

Akira Takahashi,

Mitani Valve (Japan)

*How aerosol valves work, and selecting the right valve and actuator for your applications.*

**Morning Session Wrap-up (10 mins)**

12:10 – 12:20

David Cowper,

Product Realisation Manager, Ensign Laboratories

**LUNCH BREAK (40 mins)**

**12:20 – 1:00**

**Propellants: Types and Applications (40 mins)**

1:00 – 1:40

David Cowper,

Product Realisation Manager, Ensign Laboratories

*An introduction to the propellants used in aerosol products and their advantages, pressure considerations, and use in formulations.*

**Aerosol Filling: An Introduction (60 mins)**

1:40 – 2:40

Paul Sullivan,

Managing Director, DH Industries Ltd

*An overview of aerosol production - with an especial focus on safety - including filling methods and considerations, crimping, line speeds, gas houses, and tank farms.*

**COFFEE BREAK – FOYER (15 mins)**

**2:40 – 2:55**

**Ensuring a Safe Product: Quality and Safety in the Manufacturing Process (incl. 'The Waterbath: Why? How? and the Alternatives') (40 mins)**

2:55 – 3:35

Paul Jackson, Regulatory Affairs Director,

British Aerosol Manufacturers' Association

*A deep-dive into how industry guides and Standards, legislation and international requirements work together to ensure safety on shelf.*

**The Regulatory Basics: Australia and Global (45 mins)**

3:35 – 4:20

Paul Jackson, Regulatory Affairs Director,

British Aerosol Manufacturers' Association

... with...

Philip Fleming,

Executive Director, Aerosol Association of Australia Inc.

*A brief overview of basic labelling and transport requirements, locally and in the EU and UK, plus some observations on forthcoming changes.*

**Closing Remarks (10 mins)**

4:20 – 4:30

David Cowper,

Product Realisation Manager, Ensign Laboratories

**CLOSE: 4:30 [APPROX.]**

**NOTE: PROGRAMME AND SPEAKERS SUBJECT TO CHANGE**

**'Challenges & Insights: Industry Update and International Perspectives'**  
**THURSDAY 28<sup>TH</sup> AUGUST 2025**  
 Room 2305, Macquarie University City Campus,  
 'Angel Place', 123 Pitt St, Sydney 2000.  
 [ACCESS VIA LEVEL 24]



**REGISTRATION & WELCOME COFFEE – Room 2305**  
**8:30 onwards**

**Welcome & Housekeeping (10 mins)**

9:00 – 9:10

Philip Fleming.

Executive Director, Aerosol Association of Australia.

**Introduction: Current Challenges for Aerosols (20 mins)**

9:10 – 9:30

David Cowper.

Product Realisation Manager, Ensign Laboratories

*An overview of challenges facing the aerosol packaging and industry from a domestic perspective*

**Current Challenges for Aerosols: An International Perspective (45 mins)**

9:30 – 10:15

Paul Jackson, Regulatory Affairs Director,

British Aerosol Manufacturers' Association

*An overview of challenges facing the aerosol packaging and industry from the BAMA and UK industry perspective including f-gases, EPR fees, 'Design for Recycling' and alternative pathways for recovery and recycling of aerosols*

**COFFEE BREAK – FOYER (20 mins)**  
**10:15 – 10:35**

**Packaging Circularity: Responding to Government and Consumer Expectations (45 mins)**

10:35 – 11:20

Peter Brisbane, Head of Government Partnerships,  
 APCO

*An update on moves to introduce a new regulatory environment for packaging in Australia and what it will likely mean for packaging suppliers, manufacturers and brandowners*

**Packaging Circularity: The French Experience (30 mins)**

11:20 – 11:50

Jean Blottière, Délégué Général,

Comité Français des Aérosols (CFA) *via video*

*With a recovery rate of 87% in 2025, the French aerosol industry is a leader in packaging circularity. What can we learn from them?*

**Recycling Aluminium for Can Production: Advantages for Sustainability and Challenges to Scale (30 mins)**

11:50 – 12:20

Dr Sriniraghavan, Materials Scientist, UNSW Centre for Sustainable Materials Research and Technology

*This talk explores the production of secondary aluminium using the innovative Thermal Disengagement Technology (TDT) developed by the UNSW SMaRT Centre, and its application with industry partner Jamestrong Packaging*

**Morning Session Wrap-up (10 mins)**

12:20 – 12:30

David Cowper,

Product Realisation Manager, Ensign Laboratories

**LUNCH BREAK (30 mins)**  
**12:30 – 1:00**

**Valve and Actuator Innovations to support the Sustainability Journey (30 mins)**

1:00 – 1:30

Akira Takahashi,

Mitani Valve (Japan)

*A look at Innovative valves and actuators from Japan designed with sustainability in mind*

**New Technology for Aerosol Filling (45 mins)**

1:30 – 2:15

Benjamin Margot,

Chief Customer Officer, Pamasol Willi Mäder AG

*An overview of new developments in filling technology for aerosol packing*

**Volatile Substance Misuse: Local and International Responses (45 mins)**

2:15 – 3:00

Paul Jackson, Regulatory Affairs Director,

British Aerosol Manufacturers' Association

&

Philip Fleming,

Executive Director, Aerosol Association of Australia Inc.

*The issue of consumers misusing aerosol products continues to be an industry-wide problem in Australia and several overseas markets. How do we react and respond to this complex issue?*

**COFFEE BREAK – FOYER (15 mins)**  
**3:00 – 3:15**

**CO<sup>2</sup> and Compressed Gas Aerosol Filling (45 mins)**

3:15 – 4:00

Paul Sullivan, Managing Director,

DH Industries Limited (UK)

*How aerosol filling companies are assisting fillers and brandowners address the search for sustainable solutions*

**Panel: International Perspectives (20 mins)**

4:00 – 4:20

Various Speakers

*What are the perspectives of our international sister organisations?*

*How are they rising to the same challenges we face?*

*Can we learn from their knowledge and experience?*

**Closing Remarks (10 mins)**

4:20 – 4:30

David Cowper,

Product Realisation Manager, Ensign Laboratories

**CLOSE: 4:30 [APPROX.]**

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