**Meech to use The Battery Show 2023 to demonstrate the importance of static control and surface cleaning in the battery manufacturing process**

Meech International will be presenting its range of static control and web cleaning solutions at The Battery Show 2023 (Booth 10-H100).

Static Control and surface cleaning are critical in the battery manufacturing process for the removal of contamination and to ensure optimum, high-quality output. Meech offers a dedicated approach to surface contamination and static charge removal with a range of solutions, tailored to the battery manufacturing industry, which can be matched to the material, process and contamination type.

In March 2023, Meech underlined its expertise in the sector by hosting the webinar: “Avoiding thermal runaway in EV batteries.” Held in partnership with subject expert Dr. Paul Christensen, this successful webinar examined multiple causes of thermal runaway, including dangerous contamination within the manufacturing process, and how specialised static control and web cleaning solutions can help to reduce this risk. Professor Christensen offered a compelling perspective by stating, "There is strong evidence to suggest that spontaneous fires are often attributable to contamination or manufacturing defects." This statement effectively highlights the critical significance of contamination removal and manufacturing quality within the battery industry. The Battery Show 2023 comes at the perfect time for Meech to develop and build on this message.

Products on display at The Battery Show include:

**RoClean C**

Unlike other brush cleaning web cleaners on market, RoClean-C combines dynamic air flow and rotating brush technology. The battery web passes through an ionisation cloud on entrance and exit, while the brushes rotates in the opposite direction to the web for thorough disruption of any challenging contamination particles. Contaminants are drawn into the vacuum chamber. The positive air flow not only disrupts contamination on the web, but it also ensures that any contamination left on the brush is also moved to vacuum chamber.

**Cyclean R**

CyClean-R incorporates advanced computational fluid dynamics that allow converters to thoroughly clean low-tension webs.

Ideal for use in a wide variety of applications, including narrow, mid and wide web, CyClean-R is available as a single-sided and double-sided web cleaner. From its position on the web roller, it delivers optimal, consistent removal of dry, unbonded contamination from any web material (particle removal to 0.5 micron is achievable).

**Compact AHU**

The Meech AHUv3 range is integral to the Cyclean-R™ and RoClean™ specialised surface cleaners. The AHUv3 provides positive and vacuum pressure airflows and houses the system filters. It is of robust design and requires minimal maintenance.

**Smart Control Touch**

SmartControl Touch harnesses the power of Industry 4.0 within scaled up battery manufacturing applications by connecting multiple ionisation bars and sensors for advanced monitoring and control. This system offers improved productivity, quality and safety assurance. The unit allows users to monitor, control and adjust the performance of multiple connected Hyperion ionising bars and distance sensors via an integrated touchscreen, or remotely via a mobile phone, tablet, or desktop.

**Hyperion bars**

Meech’s Hyperion pulsed DC ionising bars – the 971IPS, 960IPS, 924IPS, and 314IPS provide short, medium and long-distance static elimination respectively, and can be installed quickly and easily onto converter’s lines.

Ian Atkinson, Director, International Business Development, Meech International Comments: “We are delighted to be exhibiting at The Battery Show once again. Our presence in this market has grown exponentially in recent years and we are excited to showcase our capabilities and connect with existing and prospective customers. Neglecting to consider static charges and surface contamination within the battery manufacturing process can have serious consequences. This was highlighted in the recent webinar we hostedon the importance of reducing contamination within battery manufacturing. We are proud to manufacture products that make a real difference.”

To learn more, visit Meech at The Battery Show (Booth 10-H100) or to watch Meech’s webinar on avoiding thermal runaway in EV batteries visit: <https://youtu.be/-ACn6jrTUr0>

The full list of products displayed by Meech at The Battery Show 2023 are:

Web Cleaners:

RoClean

CyClean

CyClean R

AVUv3 Compact – 2 Pump

Static Control:

Hyperion bar 314IPS

Hyperion bar 924IPS

Hyperion bar 960IPS

Hyperion bar 971 IPS-30

SmartControl Touch

Feedback Sensor

Short extension cables to connect bars and sensor

**ENDS**

**About Meech International**

Founded in 1907 and headquartered in Oxfordshire, UK, Meech International is a specialist developer and manufacturer of electrostatic controls and related solutions. The Meech product range is organised into three key groupings: static control, air technology plus contact and non-contact web cleaning systems. These are used extensively within a wide range of industries including printing, packaging, converting, plastics, automotive, pharmaceutical and food production. With an established worldwide network of subsidiaries and distributors, around 80% of the systems produced by Meech are sold in 45 overseas markets.

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