Press release

Valeo uses Dürr’s rotary atomizer for the first time

The EcoBell cost-effectively paints plastic parts with minimal material consumption

Bietigheim-Bissingen, November 14, 2023 – Plastic parts are very often painted using conventional spray guns. But with prices for materials and cleaning rising, high-speed rotary atomizers are becoming more and more cost-effective. Valeo, a global technology company, is using Dürr's EcoBell technology for the first time at its production facility in Hungary, resulting in heightened efficiency, increased productivity, and reduced paint consumption.

The **Eco**Bell atomizer series sets the standard for intricate industrial painting tasks with its high application quality, minimal paint consumption, and short flushing time. Plastic parts are often coated by spray guns, which cost less to purchase. Valeo has opted for a change: For the first time, the global supplier will use high-speed rotary atomizers at its Hungarian site.

In the future, an **Eco**Bell rotary atomizer mounted on a Kawasaki robot will paint plastic interiors for electric vehicles. With an **Eco**Pump AD package, a fluid board, a two-component mixing and dosing system, and the **Eco**Bell high-speed rotary atomizer without high tension, Dürr is supplying the full range of equipment from paint distribution to application for the new paint shop.

**Successfully proven compatibility**

Before implementing any rotary atomizer at Valeo, Dürr had to demonstrate the compatibility of the technology with the company’s processes and standards. Collaborating closely with partner integrator ERMA Concept, Dürr successfully furnished proof at ERMA Lab test center.

The **Eco**Bell convinces with its high-quality surface finishing results and cost-effectiveness. The atomizer’s high transfer efficiency and mix block upstream on the robot arm greatly reduce paint loss, rinsing agent consumption and minimize required cleaning. In addition, the cycle time is shorter than with the previous application, increasing productivity. Higher cost savings and efficiency improvements result in the rapid cost recovery of the initial investment for a high-speed rotary atomizer, particularly considering projected increases in paint and rinsing agent costs. Minimal paint loss and rinsing agent consumption also ensure a more sustainable painting process.

Pictures



**Picture:** With Dürr’s **Eco**Bell rotary atomizer, Valeo paints plastic parts with high quality surface finishes efficiently and with fast cycle times.

The Dürr Group is one of the world's leading mechanical and plant engineering firms with particular expertise in the technology fields of automation, digitalization, and energy efficiency. Its products, systems, and services enable highly efficient and sustainable manufacturing processes – mainly in the automotive industry and for producers of furniture and timber houses, but also in sectors such as the chemical and pharmaceutical industries, medical devices, electrical engineering, and battery production. In 2022, the company generated sales of €4.3 billion. The Dürr Group has over 20,500 employees and 140 business locations in 32 countries, and it operates in the market with five divisions:

* **Paint and Final Assembly Systems**: paint shops as well as final assembly, testing, and filling technology for the automotive industry
* **Application Technology**: robots and products for the automated application of paint, sealants, and adhesives
* **Clean Technology Systems**: air pollution control, coating systems for battery electrodes, and noise abatement systems
* **Industrial Automation Systems**: automated assembly and test systems for automotive components, medical devices, and consumer goods as well as balancing and diagnostic technology
* **Woodworking Machinery and Systems**: machinery and equipment for the woodworking industry

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