Press release

Dürr equips the top coat line for Audi electric vehicles

18,000th Dürr robot will paint vehicles in Ingolstadt

Bietigheim-Bissingen, May 24, 2024 – Mechanical and plant engineering company Dürr produced its 18,000th painting robot for Audi in Ingolstadt. The robot features the latest EcoBell4 atomizer with 4-main needle technology for rapid color changes with minimal paint and rinsing agent losses.

Dürr is equipping a new top coat line for car manufacturer Audi in Ingolstadt to paint the interior and exterior of the new Audi Q6 e-tron series. The milestone robot, an **Eco**RP L033i, will be installed in May in the interior paint booth. The six-axis painting robot, equipped with Dürr’s latest **Eco**Bell4 atomizer, requires just four seconds for each color change thanks to the patented 4-main-needle technology. “This application technology enables us to connect our three most frequently used colors directly to the atomizer, significantly reducing paint and rinsing agent consumption,” explained Sven Veit, Director Manufacturing Engineering Paint Shop at AUDI AG. With Dürr’s latest **Eco**Bell4 atomizer technology, the car manufacturer not only saves operating costs but also protects the environment with fewer VOC emissions.

**Sustainable paint supply**

The new top coat line includes a total of 28 robots and corresponding application technology. Dürr is also supplying a quality measurement cell to measure paint layer thickness, structure, and shade, as well as a cleaning station where two **Eco**RS Clean F robots use feather rollers to clean the car bodies. For this project, Audi is also using Dürr‘s **Eco**Supply P special color supply system with pigging technology to flexibly provide unlimited colors consecutively for application.

**Painting robots success story**

In 1998, Dürr supplied its first painting robot, an RP7 robot, to Nissan in Spain. The mechanical and plant engineering company is now on its third robot generation, introduced in 2016, benefiting from a modular structure that places the color changer and metering pump on the robot’s front arm, ensuring fast color changes with minimal paint loss and rinsing agent consumption.

At the end of April, Dürr delivered the milestone robot to Audi at its Bietigheim-Bissingen headquarters. “We are always prepared to take on a challenging project. After all, painting a large volume of cars to a high-quality standard is what we do every day. New at Audi are the numerous innovations we are implementing for the first time: the **Eco**Bell4 with 4-main needle technology and high transfer efficiency painting technology. This is what makes the project so special,” said Dr. Lars Friedrich, Head of Division Application Technology at Dürr.

**Pictures**

Ein Bild, das Kleidung, Mann, Person, Anzug enthält.

Automatisch generierte Beschreibung

Picture 1: Delivering the 18,000th Dürr painting robot to AUDI AG. From left to right:

Jürgen Haas, Head of Product Development Application Technology, Dürr, Marcus Treppschuh, Head of Sales Application Technology, Dürr, Jörg Spindler, Head of Manufacturing Engineering, AUDI AG, Dr. Lars Friedrich, Head of the Application Technology division, Dürr, Sven Veit, Director Manufacturing Engineering Paint Shop, AUDI AG, Hannes Kupke, Manufacturing Engineering Paint Shop Audi Ingolstadt site.

Ein Bild, das Maschine, Gebäude, Bautechnik, Text enthält.

Automatisch generierte Beschreibung  
  
Picture 2: The 18,000th robot Dürr sold

Ein Bild, das Zug, Fahrzeug, Im Haus, Bahn enthält.

Automatisch generierte Beschreibung  
Picture 3: Top coat is applied to the exterior of the Audi Q6 e-tron.   
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**About Dürr**

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 2023, the company generated sales of €4.6 billion. The Dürr Group has around 20,500 employees and 142 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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