Press release

Flexible, compact, and scalable pretreatment process for paint shop

**Dürr expands EcoProWet pretreatment system to include cathodic electrocoating**

**Bietigheim-Bissingen, May 6, 2025 – Dürr is expanding its modular pretreatment system, EcoProWet EC, to include cathodic electrocoating. With its compact design, the wet system requires significantly less space than conventional continuous systems, making it ideal for small to medium production capacities of up to 30 units per hour.**

In vehicle painting, pretreatment remains one of the most space-intensive process steps. This is due to the large tanks required for both basic cleaning and electrocoating, which are designed to accommodate the largest car body dimensions and longest process times. Dürr developed the modular **Eco**ProWet pretreatment system, making the process more flexible, compact, and scalable. Previously, the company introduced the **Eco**ProWet PT pretreatment system. Now, it has expanded the system to include the **Eco**ProWet EC cathodic electrocoating system.

**Cathodic electrocoating: flexible, compact, and scalable**

After pretreatment, the bodies are conveyed to the cathodic electrocoating system. This process ensures that a seamless primer coat is applied to the body’s surfaces, providing corrosion protection and serving as an adhesive base for future topcoats. In contrast to conventional PT/EC systems, **Eco**ProWet is the only system on the market that is scalable and sets new standards in terms of space requirements, sustainability, and investment costs.

The innovative design of the **Eco**ProWet EC system features individual compact basins instead of continuous systems filled with paint. Two independently controllable pendulum towers lift the car bodies from the roller conveyor and gently guide them into the bath. With an immersion angle of up to 60 degrees, automakers can customize the immersion process for different models. Each dip tank supports up to ten units per hour. During the three- to five-minute dip, the paint is energized, forming a thin even coating on the body surface.

The **Eco**ProWet system is ideal for small to medium production capacities. Its modular design allows for staged expansion from 7.5 to 30 units per hour without significant operational disruptions. This enables automotive manufacturers to scale the system according to their production needs, reducing paint and operating costs compared to continuous systems. Additionally, it minimizes the space required for a paint shop while allowing for a flexible layout.

Ein Bild, das Wasser, Boot, draußen enthält.

KI-generierte Inhalte können fehlerhaft sein.  
**Figure 1**: **Eco**ProWet EC has an innovative system design.

Ein Bild, das Gebäude, Bautechnik, Im Haus, Blau enthält.

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**Figure 2:** The **Eco**ProWet PT/ED system is characterized by its scalability.

**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 2024, the company generated sales of €4.7 billion. The Dürr Group has around 20,000 employees and 139 business locations in 33 countries. As of January 1, 2025, the former divisions Paint and Final Assembly Systems and Application Technology were merged to form the new Automotive division. Since then, the Dürr Group has been operating in the market with four divisions:

* **Automotive:** painting technology, final assembly, testing and filling technology
* **Industrial Automation:** automated assembly and test systems for automotive components, medical devices, and consumer goods as well as balancing technology solutions and coating systems for battery electrodes
* **Woodworking:** machinery and equipment for the woodworking industry
* **Clean Technology Systems Environmental:** air pollution control and noise abatement systems

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