

PRESS RELEASE

11th Dürr innovation show: digital solutions for smart production
Bietigheim-Bissingen, May 10, 2019 – Under the banner “Smart up your plant”, Dürr will present new solutions for efficient and smart production at its 11th Open House from May 13 to 17. The focus will be on digital technology for networked production processes. Around 1,000 visitors from across the world, most of them from the automotive industry, are expected to attend the innovation show in Bietigheim-Bissingen.

Ralf W. Dieter, CEO of Dürr AG, says: “As a world market leader, not just in paint systems, we know the processes in automotive production inside out, and we know what is important. We combine this expertise with our software skills to develop applications for optimizing production processes. Our customers will see the results at the Open House.”

At Dürr’s Digital Factory, a cross-departmental software competence center, around 100 experts work on innovative applications. Among them is the digital maintenance assistant, **DXQ**equipment.maintenance. It shows maintenance dates for components in automotive paint shops, for instance for robots, pumps or valves. In addition, it provides access to instructions and creates a maintenance history. Another example to be showcased at the Open House is the analytics software, **DXQ**equipment.analytics. It records all data from the painting process, creating a ‘digital fingerprint’ for each painted car body. It contains information, for example, on the robots’ movements, on paint consumption, and on the exact position of the car body during painting. In the event of a quality problem, the cause can be determined immediately using the recorded data.

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Customized paint application without overspray

The trend for car colors is toward customization. Dürr has developed the pioneering **EcoPaintJet** process for the two-tone painting of car bodies. Aside from saving carmakers time and energy, it also generates less waste. In this overspray-free painting process, a robot applies the contrasting or accent color so accurately that no overspray is produced. This dispenses with the need for masking the other areas of the car body. **EcoPaintJet** also offers benefits in the painting of electric vehicles. These often have a higher structure to accommodate the battery in the vehicle floor. Two-tone painting makes them look flatter. Aside from overspray-free painting, Dürr's Open House will also feature other automation solutions for paint application, sealing and cleaning of car bodies.

Talking about the importance of overspray-free painting, Dr. Jochen Weyrauch, CEO of Dürr Systems AG, says: "Applying sharp lines of paint enables us to forge new paths in paint application and offer carmakers significant productivity benefits. This process sets us apart from our competitors."

Automated guided vehicles

In automotive factories of the future, automated guided vehicles (AGVs) take car bodies and materials to their relevant processing stations. AGVs are more versatile than conventional conveyor technology lines. As a result, they enable factories to have a more compact design. Dürr's new **EcoProFleet** automated guided vehicle, which will premiere at the Open House, is equipped with smart sensors and used in paint shops. Dürr has recently received a design award for this innovative conveyor system.

Another topic at the innovation show will be the purification of polluted exhaust air, generated in industrial production processes. Thanks to the latest generation of Dürr's environmental technology systems, it is now possible not only to comply with but even to stay below the increasingly stringent emission limits.

Pictures for this press release can be found [here](#).

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The Dürr Group is one of the world's leading mechanical and plant engineering firms with extensive expertise in automation and digitization/Industry 4.0. Its products, systems and services enable highly efficient manufacturing processes in different industries. The Dürr Group supplies sectors like the automotive industry, mechanical engineering, chemical, pharmaceutical and woodworking industries. It generated sales of € 3.87 billion in 2018. In October 2018, the Dürr Group acquired the industrial environmental technology business of US-based company Babcock & Wilcox, comprising the Megtec and Universal brands. Since then, it has over 16,300 employees and 108 business locations in 32 countries. The Group operates in the market with five divisions:

- **Paint and Final Assembly Systems:** *paint shops and final assembly systems for the automotive industry*
- **Application Technology:** *robot technologies for the automated application of paint, sealants and adhesives*
- **Clean Technology Systems:** *air pollution control, noise abatement systems and battery coating lines*
- **Measuring and Process Systems:** *balancing equipment as well as assembly, testing and filling technology*
- **Woodworking Machinery and Systems:** *machinery and equipment for the woodworking industry*

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