Press release

Dürr shows its application technology portfolio at Korea Metal Week

High quality painting and gluing solutions for various industries

Seoul, June 13, 2019 – From high quality automatic painting solutions to gluing technology for e-mobility: Dürr shows its application technology portfolio for various industries at the Korea Metal Week from June 19 to 21. The leading industry exhibition in Seoul deals with all aspects of production in various branches.

Dürr is one of the world's leading mechanical and plant engineering firms with 108 business locations in 32 countries along with own manufacturing sites and warehouses. The global player with a leading role in application technology for the automotive industry also transfers this knowledge to other sectors and positions itself with new solutions in the e-mobility sector.

Application technology for efficient battery manufacturing

The more electric mobility is gaining momentum worldwide, the more important it is for the automotive industry to manufacture batteries efficiently. For this particular challenge, Dürr developed a complete solution in the application technology for battery systems. The batteries in electric vehicles consist of many individual cells which are glued together to form modules and are then inserted into battery boxes. Dürr’s modular concept for the application of adhesives, sealing compounds and fillers adapts highly flexibly to different viscosities and different mixing ratios. Since the system is variably configurable, it can process small quantities in the laboratory up to large volumes in the course of series production. A particular manufacturing challenge involves protecting the battery component against overheating during charging. To this end, Dürr has developed innovative processes in the area of thermal management for the casting of thermally conductive materials.

**Automated painting for all industries – Pre-assembled and ready to spray**

Manufacturers from various industries outside the automotive industry equally want to produce surfaces of the highest paintwork quality and to this end have formulated a growing demand for fully automated application technology. Dürr meets these requirements with fully equipped painting solutions for quick commissioning and easy installation in existing systems. The **Eco**RP 10 R1100 robot is a real innovation on the market, with its compact dimensions and integrated concept. It was developed and launched on the market in cooperation with Kuka. The painting robot system consists of a small six-axis Kuka robot equipped with Dürr paint application technology and comes in different configurations. With application technology for solvent- and water-based one- and two-component paints, the system is well suited for a wide range of painting tasks.

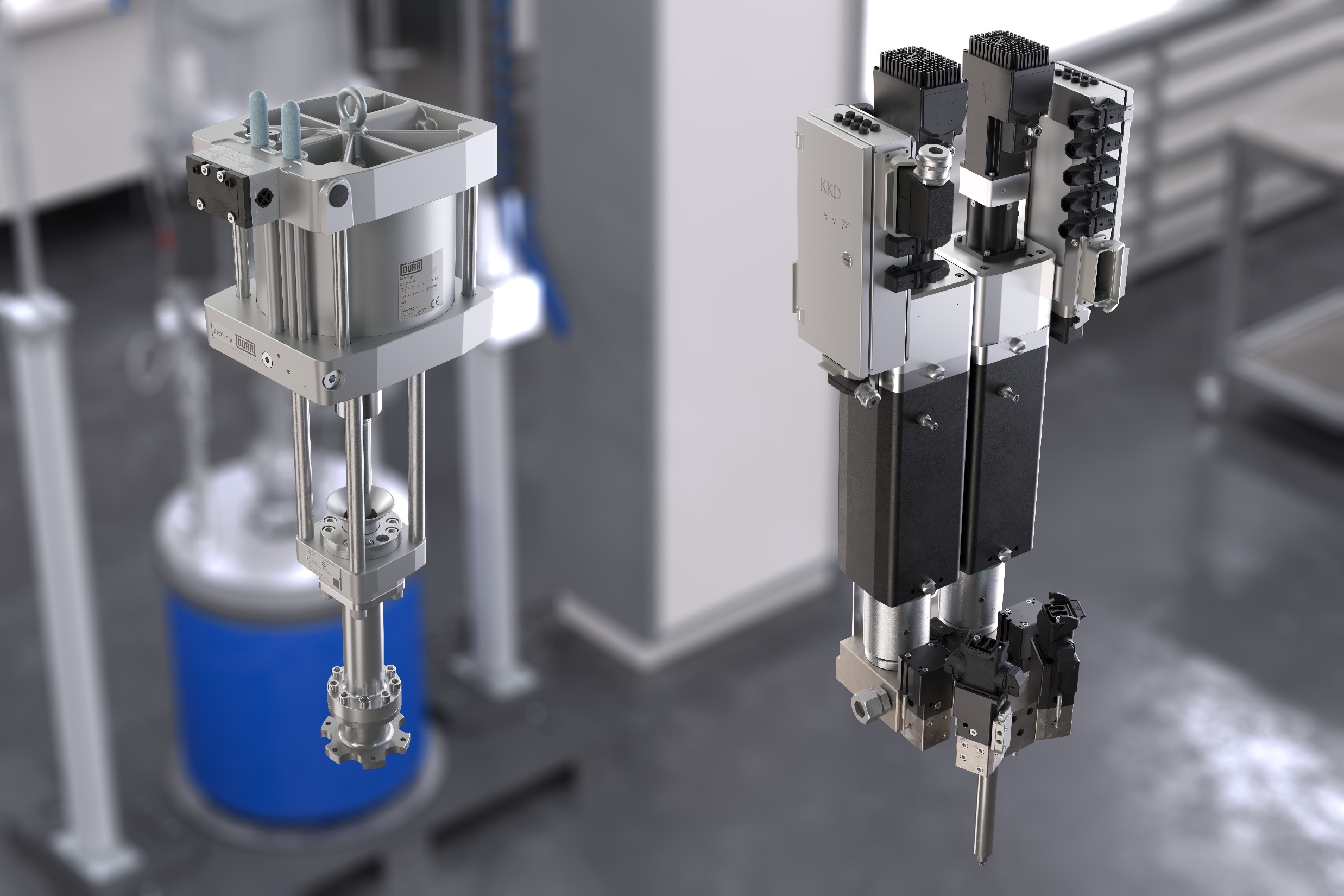
**EcoDose 2K – Solution for 2K paint application**

The Dürr **Eco**Dose 2K unit is an electronic dosing system, suitable for high and low pressure applications. It can be used in manual and automatic processes. Optimized for quick color changes and easy flushing, it enhances resource utilization and contributes to higher application efficiency. Fluid flow rates and mix ratios are measured consistently and precisely. Typical fluids handled are one- and two-component materials, water and solvent-based paints, varnishes, lacquers and monolayer paints. The **Eco**Dose 2K has many benefits such as flow rate measuring by coriolis or gear flowmeter, volume control, very high mixing ratio accuracy and monitoring of all dosing functions.

Dürr will present its industrial product portfolio as well as its application technology solution for battery systems at the Korea Metal Week in hall 2,3, booth 2e 142.

Pictures

The following pictures are available for download [here](https://www.durr.com/en/media/news/news-detail/view/high-quality-painting-and-gluing-solutions-for-various-industries-76633/) on our website.



Picture 1: The products **Eco**PumpVPS for high abrasive fluids and the 2K metering system **Eco**Shot meter 300/600 are part of Dürr’s application technology for battery production.



Picture 2: Pre-assembled and ready-to-spray: the paint robot **Eco**RP10 R1100 perfectly suits the requirements of general industry and offers a unique combination in the market.



Picture 3: The electronic dosing system **Eco**Dose 2K is suitable for high and low pressure applications

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 16,400 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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