Press release

Feel the Innovative Spirit of the Future

Dürr China hosts Open House: Showcasing clean technology systems

Shanghai, November 15, 2024 – Dürr China hosted an Open House event from November 12 to 15, 2024, under the theme “Feel the Innovative Spirit of the Future”. Each day highlighted different topics, from innovations in painting and final assembly systems for automotive production to advancements in painting, gluing, and environmental technology for various industries. On the event’s final day, the focus was shifted to Dürr’s environmental portfolio, highlighting customized eco-friendly solutions for industrial applications.

With a longstanding commitment to helping customers meet emissions regulations, Dürr offers advanced technologies—such as thermal oxidation, catalytic oxidation, adsorption, and absorption—that make a significant impact on energy savings and emission reductions across numerous industries. Dürr's solutions enable compliance with strict global pollution standards, making it possible to meet or exceed the limits set by countries around the world. The Open House event featured live demonstrations, technical presentations, and in-depth discussions, offering attendees a comprehensive look at the latest advancements in clean technology product upgrades and innovations from Dürr.

**Electric RTO: flameless and CO2-free by using green electricity**

The Dürr Oxi.**X** RV regenerative thermal oxidizer (RTO) sets itself apart as a flameless, compact, and modular solution for VOC abatement and control of hazardous air pollutants (HAPs). Designed with advantages such as low operating costs, minimal maintenance, and high purification capabilities, it serves a wide range of industries such as printing, painting, and food processing.

Creating value with solvent recovery and distillation

The Sorpt.X LC solvent recovery technology conserves valuable resources such as air and water in multiple ways. When combined with a distillation system, Sorpt.X LC ensures that over 95% of the recovered solvent can be reused a, offering both environmental and economic advantages.

5, 7 or 9-tower RTO in the chemical and recycling industry

The Oxi.X RTO wins favor in the market with its high flexibility, making it an ideal solution for numerous applications. For industries such as chemical and recycling, Dürr offers multi-tower RTOs, easily meeting the demands of handling large exhaust gas volumes. With excellent thermal efficiency, the RTO can achieve self-sustained operation when exhaust gas concentration reaches 1.5g/Nm³, providing low-maintenance and stable operation.

3-in-1 multi-pollutant emission control: DeDust, DeNOx and DeSOx

Dürr’s catalytic candle filter (CCF) is a multi-pollutant control technology that simultaneously filters dust, sulfur dioxides, and nitrogen oxides from exhaust air. This is accomplished by integrating three individual processes in a single, compact system. The CCF’s design it to be retrofitted into existing industrial plants with limited space. The system can significantly reduce air pollution across energy-intensive industries, such as glass manufacturing and coal-fired power generation.

Classic and reliable, better than ever in Generation 6

The Oxi.X TR system is a recuperative thermal oxidizer that has been reliably used for over 40 years to remove a variety of pollutants from exhaust air.

It is applied to nearly all types of painting processes worldwide, from vehicle bodies and small automotive components to flooring and wallpaper production. Key benefits of the Oxi.X TR system include its effective thermal oxidation process, and its resilience to silicon dioxide (SiO2) deposits.

Dürr China Open House 2024 provided and excellent opportunity to see explore new technologies, exchange ideas, and explore products that contribute to a greener and more sustainable manufacturing. The event was aimed at customers, integrators, partners, and media representatives from across China, Japan, South Korea and Southeast Asia.

Dürr is dedicated to industrial air purification, efficient emission reduction, and energy savings. Since the late 1990s, the company's environmental technology division has been active in China, delivering thousands of customized air pollution control systems to industries such as the automotive, printing, chemical, pharmaceutical, and carbon fiber.

In the future, Dürr will continue to work with its partners to jointly address new challenges and opportunities to make production more sustainable.

Feel the Innovative Spirit of the Future!

Pictures

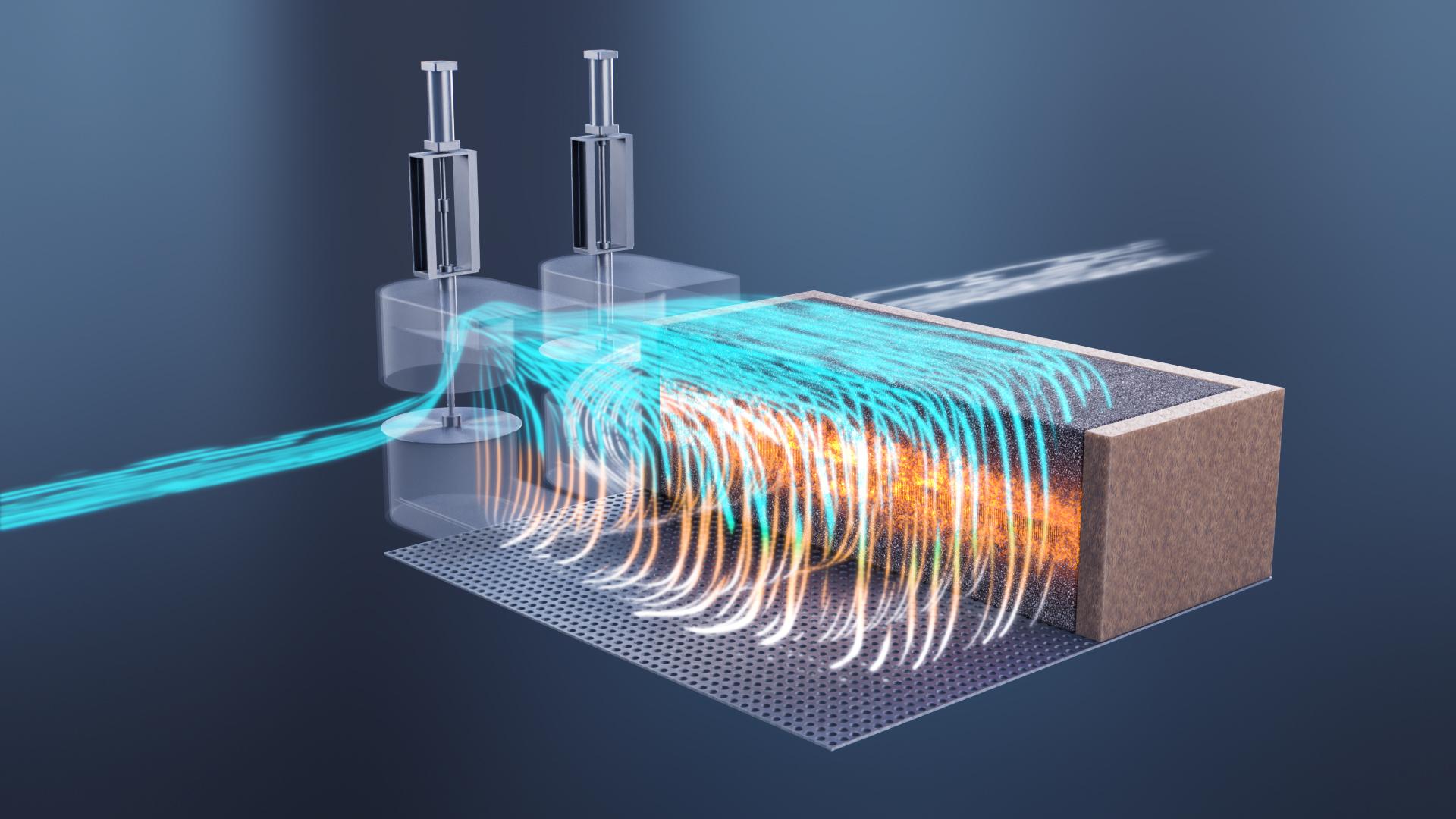
 **Picture 2**: The exhaust air is purified with a flameless Oxi**.X** RV in accordance with the principle of regenerative thermal oxidation (RTO).

Figure 2: The catalytic filter element concept is a technology that combines the removal of sulfur, nitrogen oxides, and dust using catalytic candle filters (CCFs).

**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 20,000 employees and 141 business locations in 33 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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