

PRESS RELEASE

Dürr designs highly flexible assembly layout for the new Lamborghini Urus

Chennai, November 07th, 2018 – The Urus super SUV from Lamborghini is manufactured under the most modern conditions. The plant at the headquarters of the Italian sports car manufacturer in Sant'Agata Bolognese, which was rebuilt in record time, is characterized by highly flexible assembly lines with newly developed AGVs (Automated Guided Vehicles) and especially ergonomic workstations. As the general contractor, Dürr was responsible for the installation of the assembly lines as well as for the integration and optimization of innovative technologies and processes.

With a view to the market launch of the new Urus super SUV, Lamborghini modernized its long-established plant within just 18 months during ongoing production. Not only was the production space doubled from 80,000 m² to 160,000 m², but also the overall capacity to 7,000 vehicles annually. For this strategically important project for the future of the brand, Lamborghini entrusted Dürr with developing new production lines for complete vehicle assembly. This is based on a forward-looking layout in which each area can be used flexibly. That allows the line configuration to be modified at any time following installation, in other words it remains adaptable to changing requirements.

AGV fleet in various sizes

The conveying system with AGVs, specifically developed by Dürr for the Urus, guarantees a high degree of flexibility. The AGVs move individual components and bodies separately instead of one after another in a linear conveyor system as it

has been the case up to now. They also run without rails, are freely programmable like robots, and can be controlled flexibly. This means that future model series can also be manufactured on existing lines, since they can be changed over quickly in order to be appropriate to new market scenarios and varied production requirements. The AGVs at Lamborghini come in three different sizes and are suitable for line feeding tasks, the processes in the main line, and for subassembly and powertrain operations.

Ergonomically optimized workstations

In addition to the AGVs, Dürr installed further technologies that also meet the most demanding standards for ergonomics in the workplace. These include loading carriers (body on AGV), unloading devices (car from AGV), rotating and vertical adjustable carriers for body transport and lifting, as well as slat conveyors with a lifting table for moving the vehicle into an ergonomic position.

Overall control of the project on behalf of the Dürr Group rested with CPM, its Italian subsidiary specializing in final assembly. CPM and Lamborghini were already working hand in hand on layout design for conveyor technology, assembly lines, marriage stations, trim lines, and the end-of-line area. CPM was supported by its German colleagues from Dürr Assembly Products, which among other things supplied the x-road roll/brake test stand and adjusted it precisely to the Urus.

About Dürr India

The Dürr Group has had a direct representation in India since 1997, and Schenck RoTec has since 1986. The Dürr Group currently employs around 590 staff there, offering the entire portfolio including sales and service: Dürr India, based in Chennai, offers painting, application, final assembly and energy efficiency technology products as well as exhaust-air purification systems. Since April 2015, Dürr India has also been offering on-the-job as well as classroom training in paint and application systems to customers at its new training center. Schenck RoTec India, in Noida, is responsible for balancing technology as well as for testing and filling technology. The HOMAG Group has a presence in Bangalore, where it operates a production site (HOMAG Machinery Bangalore) and sales and service company HOMAG India.

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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. Products, systems and services offered by the Group enable highly efficient manufacturing processes in different industries. Dürr supplies sectors like the automotive industry, mechanical engineering, chemical, pharmaceutical and woodworking industries. The Group generated sales of € 3.71 billion in 2017. In October 2018, Dürr acquired the industrial environmental technology business of US-based company Babcock & Wilcox, comprising the MEGTEC and Universal brands. Since then, the company has over 16,000 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 systems and noise abatement systems
- **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



Flexible line configuration for Urus assembly thanks to innovative solutions from Dürr.

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