

Dürr Builds Environmentally Friendly Paint Shop for BAIC in China

Bietigheim-Bissingen Germany, October 17th, 2011 – As general contractor, Dürr is building the new paint shop for the Chinese automobile manufacturer BAIC Motor Corporation Ltd. in Beijing. Along with its quality, the equipment at this facility also places increased emphasis on ecological aspects. The volume of this contract, issued by BAIC in the second quarter of 2011, amounts to a figure in the upper double-digit million-euro range.

Dürr is responsible for the construction of the complete paint shop, including the application technology. Pretreatment and electro dipping areas will be equipped with RoDip – the rotational dip process from Dürr – with which more than 6 million vehicle bodies are coated annually. The rotational movement of the car bodies allows inclined sections at the entrance and exit of the dip tank to be eliminated. This fact not only leads to significant savings of space, but less energy and fewer chemicals are consumed due to the smaller bath volumes.

The underbody protection and the sealing line will be partially automated with *EcoRS* 16 robots. Type *EcoRP* E033 painting robots from Dürr take care of the exterior primer and topcoat painting in the spray booth. These robots allow for a reduced booth width because of their raised travel rails. The results of this are a smaller volume of air in the spray booth and thus lower energy costs. The complete paint supply system is performed with electric pumps.

Construction is planned in two phases: after the completion of phase one, 30 car bodies per hour can be painted. The completed construction in

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phase 2 will then increase the capacity of the plant to 60 car bodies per hour.

Dürr is a mechanical and plant engineering group that holds leading positions in the world market in its areas of operation. It generates a good 80% of its sales in business with the automotive industry. It furthermore supplies the aircraft, machinery, chemical, and pharmaceutical industries with innovative production and environmental technologies. The Dürr Group operates in the market with three divisions. The Paint and Assembly Systems division supplies production and painting technology, especially for car bodies. Machinery and systems from the Measuring and Process Systems division are used in engine and transmission manufacturing and in final vehicle assembly, among other areas. The third division, Clean Technology Systems, is focused on processes to improve energy efficiency and on exhaust air purification. Dürr has 48 business locations in 21 countries worldwide. The Group achieved sales of € 1.26 billion with approximately 5,900 employees in 2010..

Image: Increasing quality and reducing costs: the RoDip rotational dip coating process from Dürr.

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