



Customer Report

January 2021

Solutions for efficient powder coating at Wandel GmbH

The company Wandel GmbH in the German city Rottenburg specialized in electrostatic powder coating about 40 years ago. Today, over 60 employees work in 2-shift operation on an area of over 5,000 m². The chemical pre-treatment of workpieces as preparation for powder coating is just as much a part of the company's activities as complex masking work. Customers include international suppliers from the mechanical engineering, electrical appliance and automotive industry. The coating spectrum ranges from flat metal parts to various pipe and wire geometries.

In the beginning, Wandel used equipment for manual powder coating. In the course of time, the customers' requirements for surface quality increased and the workpieces became more complex. Wandel required reliable coating systems with which the company can react flexibly to different customer orders. They invested more and more in automated systems - the choice fell on WAGNER.

After Wandel had already had good experience with WAGNER guns and controls, the company decided on automatic systems with the plastic booths PrimaCube and SuperCube. These meet the increasing requirements for speed and number of color changes and offer a high coating quality.

The automatic gap, height and depth control records the workpiece contours and optimizes the gun distances. This results in a high application efficiency with minimized powder consumption. By using a robot, the degree of automation of the coating process could be increased in most cases so that manual coating is no longer necessary. However, the system has been designed in such a way that a recoater can be used if necessary for particularly complex shapes.

During color change, the injectors, powder hoses and guns are automatically cleaned. The booth can be blown out quickly and easily.

PXS powder centers are used as the central powder supply and color change system. During color change the operator is guided through the process on the touch screen. Short suction distances, fluidization with vibration and integrated ultrasonic sieving allow an optimal powder preparation. The innovative injector technology from WAGNER meets the high quality demands of Wandel with its low-air feeding and high



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coating efficiency. The change of the long-life collector nozzle is possible in a few seconds and minimizes maintenance time considerably.

By the increasing automation of the production with the coating systems and innovative injector technology from WAGNER the company Wandel sees itself very well positioned to master the challenges of the future.

You can find more information here: <https://www.wagner-group.com/en/industry/customerreferences/wandel/>

Pictures:



By means of a laser scan, the workpiece contours are recorded before powder coating. The gun distances in the booth are optimized accordingly by the automatic gap, height and depth control.

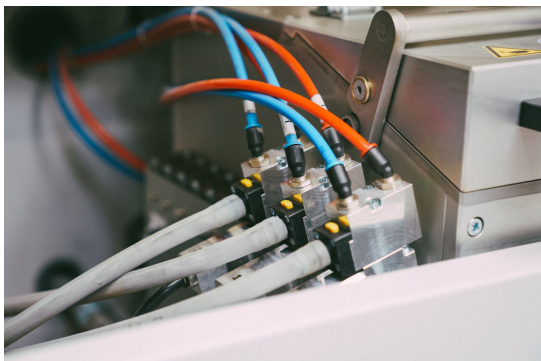


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The workpieces are coated in a highly automated process to meet Wandel GmbH's increasing requirements in terms of speed and number of color changes.



WAGNER's injector technology enables low-air powder feeding with high coating efficiency.

About WAGNER:

J. Wagner GmbH is part of the WAGNER Group, one of the world's leading manufacturers of equipment and systems for surface coating with powder and liquid lacquers, paints and other liquid materials. The WAGNER Group portfolio also includes bonding, sealing and encapsulation technology including injection moulding with the brands WAGNER, Titan, HomeRight, WALTHER PILOT, Reinhardt-Technik and CA Technologies. The beginnings of the company go back to the year 1947. Today the innovative coating technologies of WAGNER are used in industry as well as by craftsmen and do-it-yourselfers and set standards in the industry. The WAGNER Group is represented worldwide by around 1,700 employees in 16 operative companies and around 400 agencies. Owners of the WAGNER Group are the Josef Wagner Foundations, which pursue exclusively charitable goals.

More information can be found at www.wagner-group.com