

Application Success Stories

Wessling Oberflächenveredelung GmbH Job coating of extra-large parts

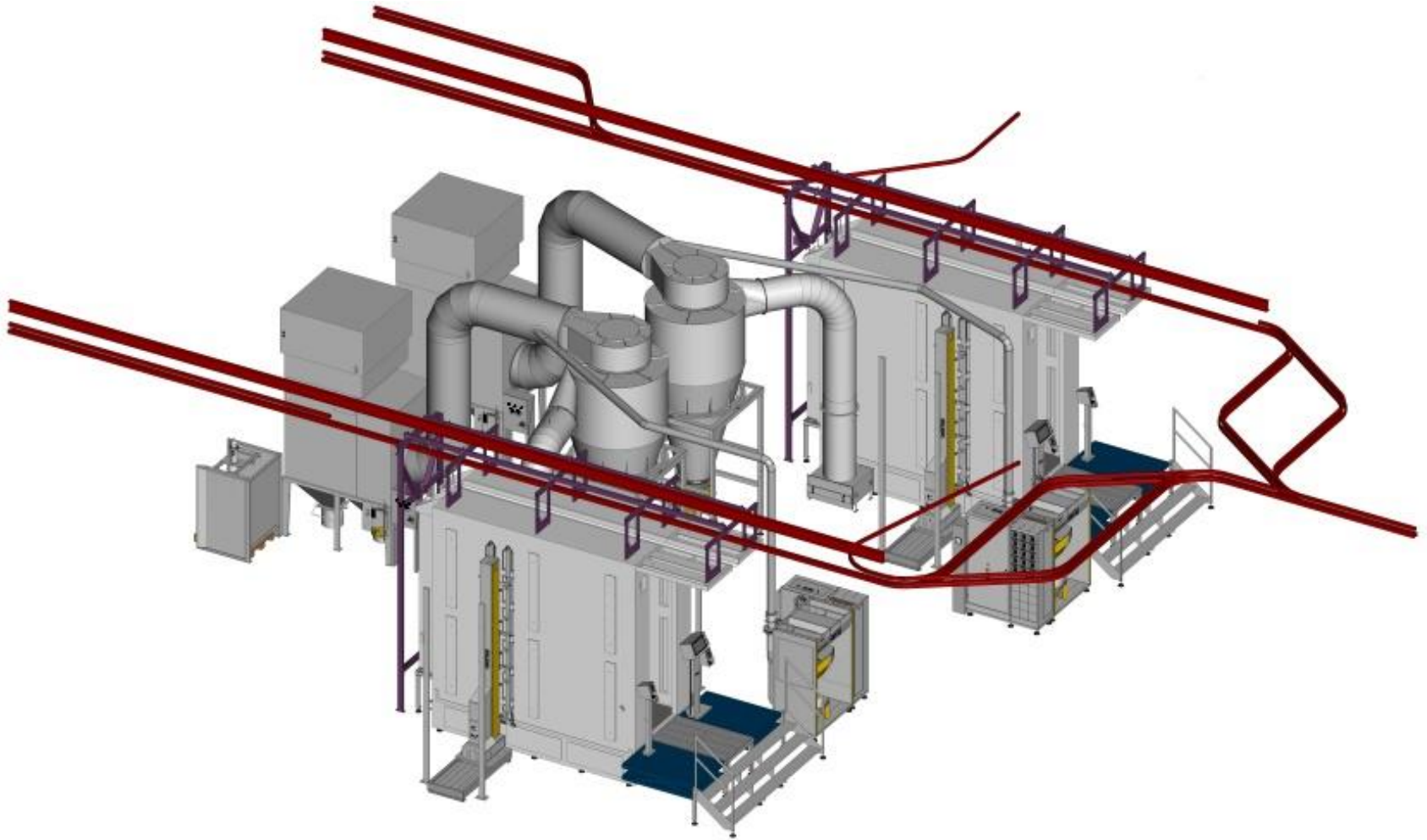


Quality standard

Capacity increase

Flexibility

Application Success Stories



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Technical Data

Parts:

XXL parts job coating

Parts size:

H 3'800 mm

W 600 mm

L 4'500 mm

Conveyor speed:

V 2 m/min

Scope of delivery (2 lines with each):

1 x MagicCompact® EquiFlow®

1 x OptiFlex® AS06-22 P

20 x OptiGun® GA03P-1700 automatic gun

2 x OptiSelect®2 GM03 manual gun

1 x OptiCenter® OC03 with 22 x AP01 application pump

1 x MagicControl® 4.0 system control

2 x ZA07-28 / XT10-10 reciprocator

1 x BigBag for waste powder

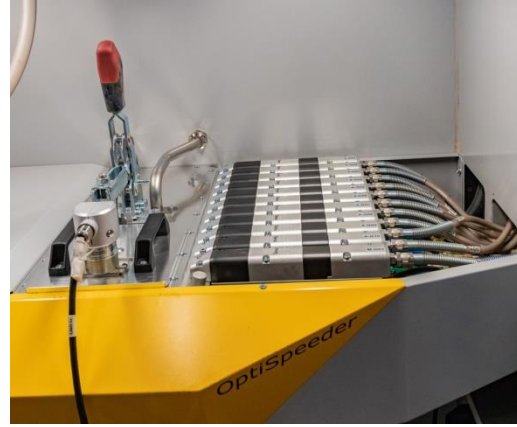


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At the company headquarters in Geeste (Germany), WOB is running the largest contract-coating facility in Europe. Finishing coats are applied to XXL components up to 16 m long, 2.6 m wide and 3.6 m high and weighing up to 6.5 t!

A further, modern powder-coating system was set to increase capacity and improve coating quality. During tests involving various providers, Gema's concept combining OptiCenter, EquiFlow technology in powder cabins booth, and application pumps provided excellent results.



Initially, WOB specified to implement injector technology for powder transport. The final tests at the technical laboratory in St. Gallen convinced the responsible persons at WOB about the capabilities, ease of operation and excellent performance of the OptiSpray AP01 application pump.

The planning window for the two fast-color-change systems was very tight. Gema was asked to come up with a concept in July 2018, tests were run in September 2018, and regular coating started in June 2019. WOB turned its plans into reality in no time at all.



WOB is particularly impressed with the neatness of coating surfaces and the high level of automation. The ambition of having "1 program for all parts" was implemented from practically the begin. With two post-coating unit stations on elevating platforms, WOB is able to work with great flexibility, achieve outstanding quality levels, and ensure faster throughput rates. There has also been a massive reduction in the rework associated with the complex diversity of parts.

This system is the ultimate proof that job-coating companies also benefit from using application pumps – in terms of quality and performance!

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