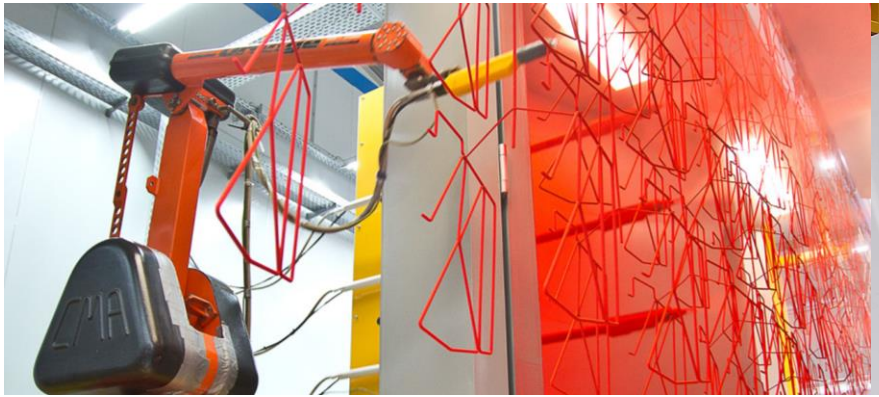
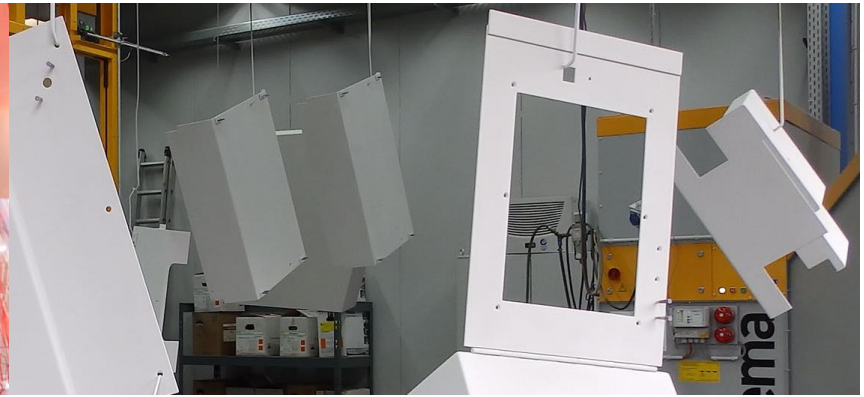
Application Success Stories

KURT OPFER
Job coater





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Powder savings

Production increase

Cost reduction

Application Success Stories

Installation Key Data

Parts: Job coating
Parts size: H 2’000 mm
W 800 mm
L 3’000 mm
Conveyor speed: v 2,5 m/min

Scope of delivery:

1 x MagicCylinder® EquiFlow® QCS01 for Robots (2014)
1 x OptiFlex® Automatic A2-12P (Retrofit 2022)
12 x OptiGun® GA03AX automatic gun (Retrofit 2022)
1 x OptiCenter® OC07 with ultrasonic sieve and 12 x application pump AP01 (Retrofit 2022)
2 x ZA06 on XT (2014)
1 x MagicControl CM30 (2014)
2 x OptiFlex® 2B manual unit (2014)

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The family-owned company Kurt Opfer Oberflächenschutz from Mudersbach, Germany, has been using two robots for automatic coating for many years. Instead of manual coaters, these robots carry out pre- and post-coating in a MagicCylinder QCS01 with central medium extraction. As a result, high-quality coating results have always been achieved in automatic mode, with the robots and during manual coating.

To increase plant efficiency and economy, in 2022 the powder conveying system was changed to an OptiCenter OC07 with an ultrasonic sieve and AP01 application pumps. At the same time, the new GA03 automatic gun generation with controls was also installed. The MagicControl control, the booth and the axes remained. The AP01 application pumps constantly convey the powder coating and reduce the coating thicknesses continuously and reproducibly to the minimum coating thickness. Thanks to improved application efficiency, there is also much less waste powder.

The retrofit, completed in just 5 days, has improved reproducibility, reduced production costs and increased productivity, especially due to improved penetration depth on complex geometries. The company Kurt Opfer Oberflächenschutz now coats in a very resource-saving and yield-efficient manner. Production output has been significantly increased and powder consumption has been reduced in the double-digit range.

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