

# Application Success Stories

**Gasitech**  
**Industrie-Gas-Handelsgesellschaft mbH**  
**Gas cylinder services**

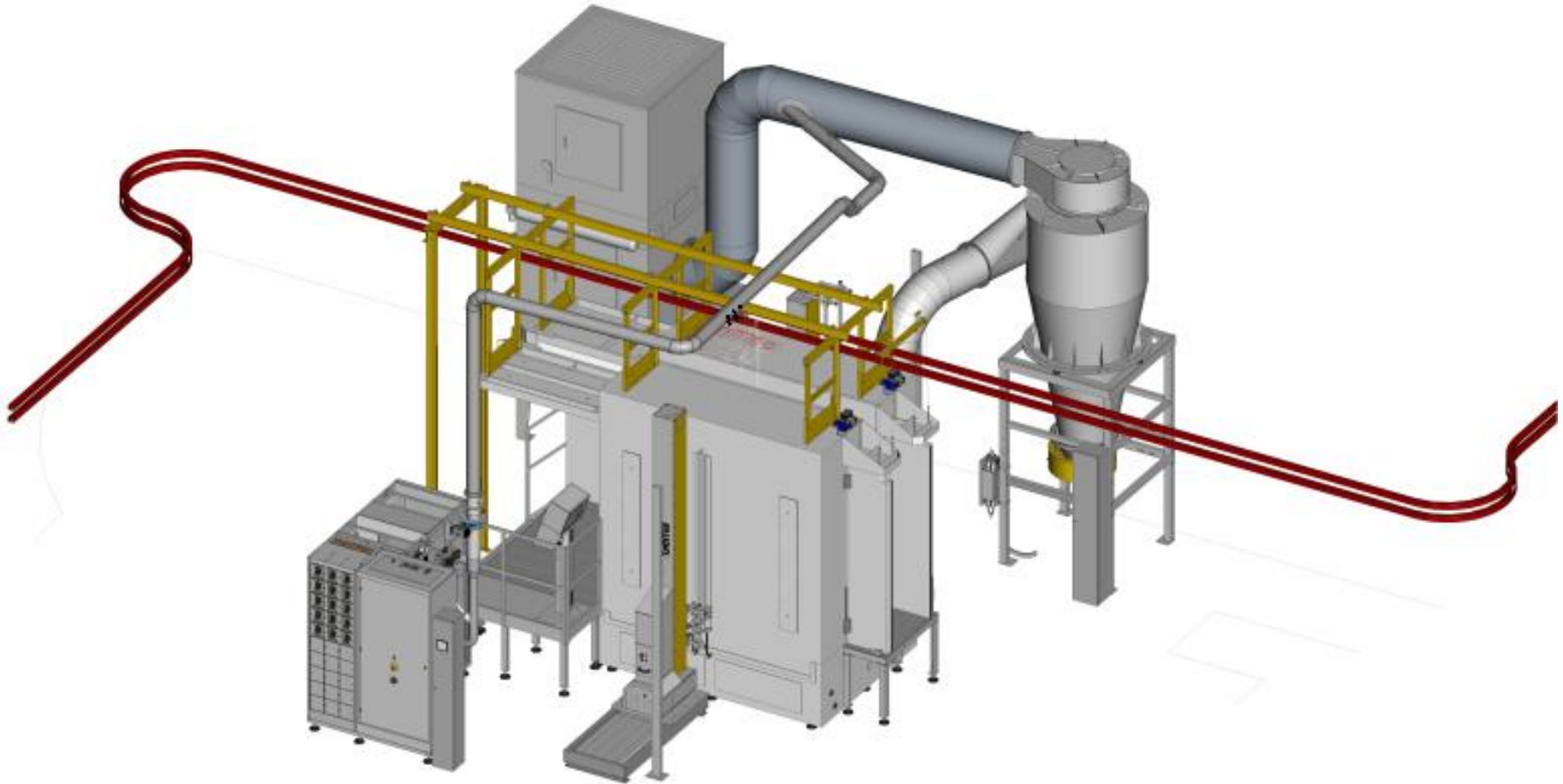


Automation

Capacity increase

Environment  
protection

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## Technical Data

### Parts:

Seamless gas cylinders

### Parts size:

H 1'800 mm

Ø 420 mm

### Conveyor speed:

Cyclic operation 45 s

### Scope of delivery:

1 x MagicCompact® EquiFlow®

1 x OptiFlex® AS06-5 P

4 x OptiGun® GA03-P-1300 automatic gun

1 x OptiSelect® GM03 manual gun

1 x OptiCenter® OC03 with 5 x OptiSpray application pump

1 x MagicControl CM30

1 x ZA07-23 / XT10-10 reciprocator

1 x ZA07-2 reciprocator



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Gasitech Industrie-Gas-Handelsgesellschaft mbH was founded in 1995 by Christian Hagen in the town of Walsleben, Germany. The family company specialises in the industrial processing of seamless gas cylinders made of steel, aluminium and composite materials. For customers from the gas industry, fire protection and container / steel construction, gas cylinders are repainted according to standard specifications, tested and remarketed in mint condition.

The biggest danger for a gas cylinder is corrosion. This attacks the metal shell, reduces the wall thickness and weakens the gas



cylinder. This can have dangerous consequences at a pressure of at least 200 bar. As early as the 1990s, Gasitech convinced its customers that electrostatic powder coatings are the best corrosion protection and extend the service life of gas cylinders.

A new powder-coating facility from Gema was added to the existing coatings in 2019. Drawing on Gasitech's experience, it was possible to optimise the coating results with new application and conveyor technology. The AP01 powder pumps, in combination with state-of-the-art gun and control technology, meet the key



requirement for fully uniform layer thickness distribution. Accurate distribution is a must to ensure that the markings and characters on each type of gas cylinder remain perfectly legible after the burning-in process.

The second coating line by Gema secures Gasitech's production capacity in the long term and has a highly automated production process. The share of wet-painted gas cylinders at Gasitech will decrease more and more in the future, which will reduce solvent consumption and protect the environment!



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