

# Application Success Stories

## GWG Gasflaschenwerk Grünhain GmbH Welded steel gas cylinders



GRÜNHAIN GMBH



Bildquellen: GWG

Retrofit

Production reliability

Powder saving

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## Installation Key Data

**Parts:** Welded steel gas cylinders

**Parts size:** H 1'300 mm  
Ø 320 mm

**Conveyor speed:** v 2,0 m/min

**Retrofit per coating line (2 coating lines in total):**

- 1 x OptiFlex® Automatic AS08-9 P with MagicControl 4.0 (CM40) system control
- 9 x OptiGun® GA03-P automatic gun
- 2 x 45° angle nozzle
- 2 x 90° angle nozzle
- 9 x OptiFlow IG07 injector for installation in existing powder supply center (third-party product)

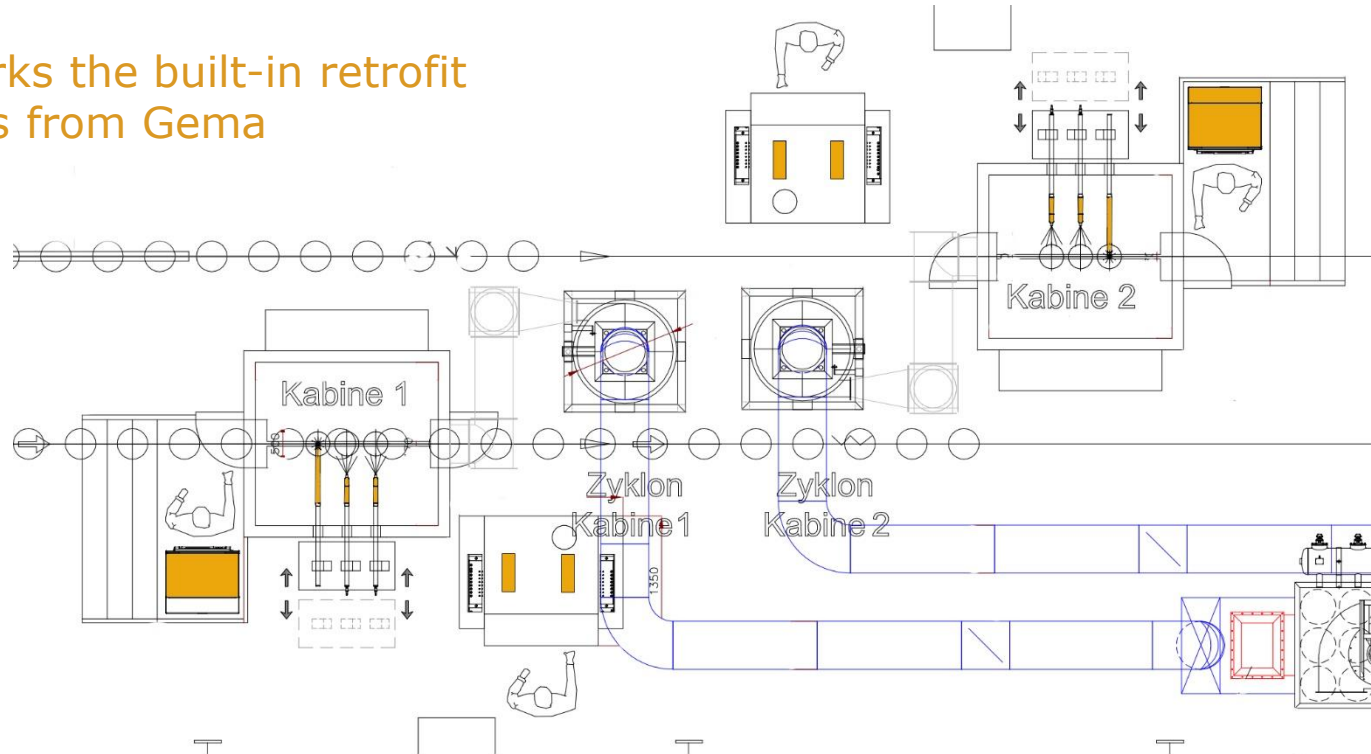


Image source: GWG

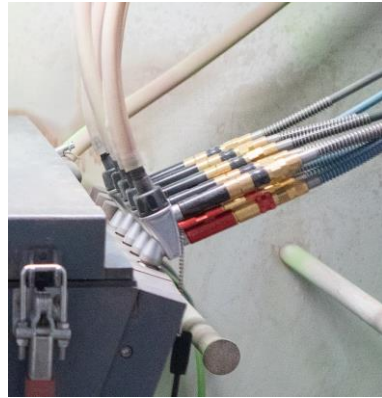
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## Layout

Orange marks the built-in retrofit components from Gema



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GWG Gasflaschenwerk Grünhain GmbH is the only manufacturer of welded gas cylinders in Germany. Quality, flexibility and reliability are the most important indicators for GWG to meet the requirements of customers from all over Europe. Over 900,000 steel cylinders are processed, manufactured and powder-coated on two lines every year.

When an industrial PC on tribo coating line 1 suffered irreparable damage at the end of 2022, a solution had to be found quickly.

Within a few weeks, Gema installed an electrostatic test application with a controller, guns and injectors. After just a short time, the production department had become accustomed to the switch from tribo to electrostatic and quickly recognized the advantages of electrostatic coating. After the quality assurance department at GWG had also been convinced of the coating quality, line 2 was also converted to modern electrostatic application after a short time.

In close cooperation with Gema, GWG managed the changeover from tribo coating to electrostatics quickly and without any major problems. The speedy implementation, reliable on-site service, stable production parameters and reduced powder consumption are some of the benefits that GWG now greatly appreciates following the switch to electrostatics. The three-shift operation is now once again coating gas cylinders in all conceivable RAL colors flexibly and in the usual GWG quality.