

Application Success Stories

BOMAG Construction machinery



Fotos: BOMAG GmbH

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Process reliability

Reproducibility

Saving resources

Application Success Stories

Installation Key Data

Parts: Construction machinery

Parts size: H 1'600 mm
W 1'200 mm
L 3'000 mm

Conveyor speed: v 1.5 – 2,0 m/min

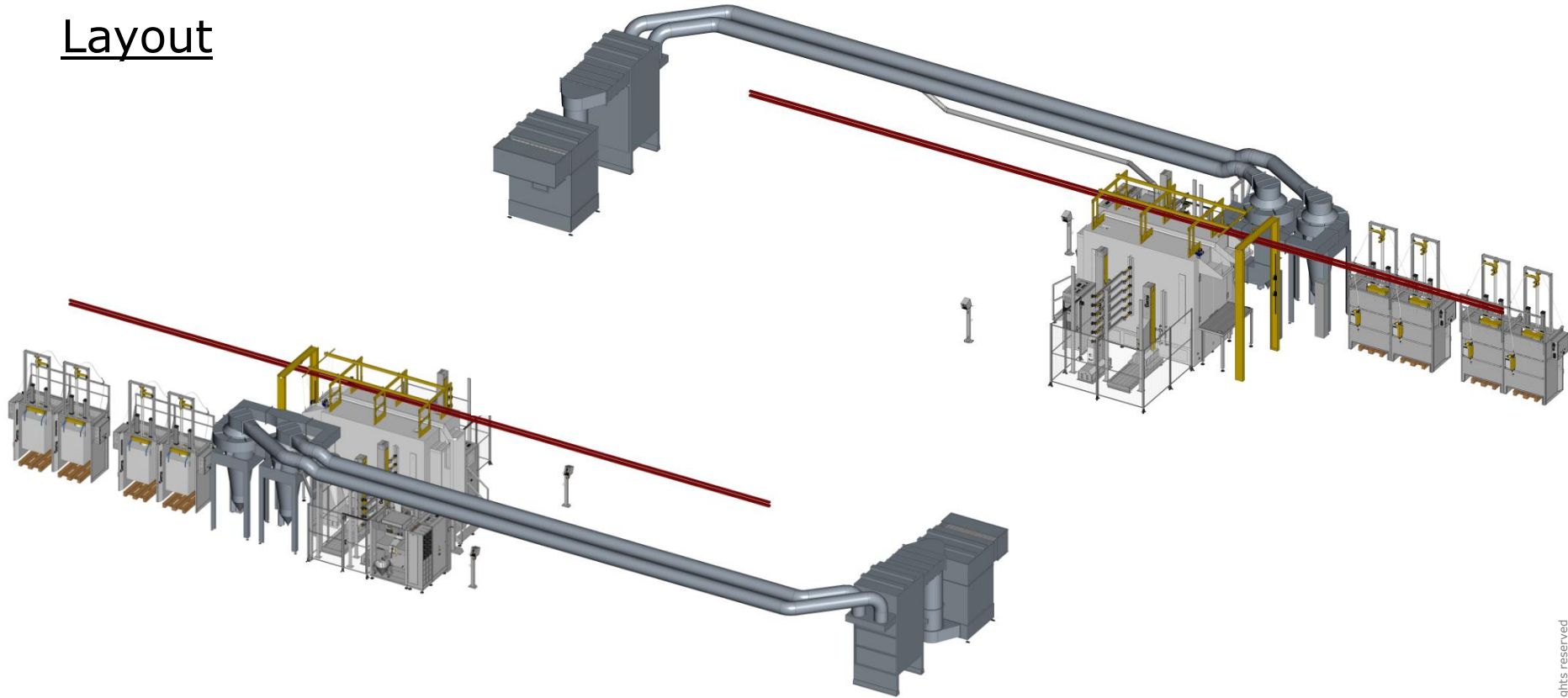
Scope of delivery:

- 1 x MagicCompact® EquiFlow® booth system
- 1 x OptiFlex® AS06-14 P gun control
- 12 x OptiGun® GA03-P automatic gun
- 2 x OptiSelect® Pro (GM04) manual gun
- 1 x OptiCenter® OC08 with 14 x OptiFlow IG07-P injectors
- 1 x MagicControl 4.0 (CM40) control unit
- 12 x UA05 gun axis
- 2 x ZA16-18; ZA07-18 / XT10-10 axis systems
- 4 x FPS16 Big Bag fresh powder stations
- Dynamic Contour Detection with 2 x Laser-Scanner



Application Success Stories

Layout



Application Success Stories



As the world market leader, BOMAG produces machines and construction equipment for compacting soil, asphalt, and waste. Founded in 1957, the company now employs over 2300 people in 12 foreign subsidiaries and manufactures in Germany, Italy, China, and the USA. A large dealer and sales network ensures service to the customers.

The new automatic powder coating plant, equipped with the latest application, motion and control technology, coats construction



machinery assemblies in reproducible quality and with maximum process reliability. Laser scanners precisely scan the component geometries. The data is used to position the UA05 gun axes with automatic guns individually and in real time. This reduces the effort required for manual coating to a minimum.

The CM40 MagicControl stores and controls all application parameters. The ultrasonic sieve integrated in the OptiCenter ensures the highest coating quality of the powder



coatings used. This means that even small batches of machine components in special color shades can be run in recovery-mode, which further optimizes resource consumption.

With the modern coating technology, process reliability has increased at BOMAG, and reproducible high surface quality is ensured. Thanks to improved recycling of the powder, a significant increase in efficiency has also been achieved.

