

Application Success Stories

HORSCH Maschinen GmbH



Automation

Coating quality

Cost optimization

Image sources: Horsch

Gema

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published 23.04.2025

Application Success Stories

Installation Key Data

Parts: Agricultural machinery

Parts size: H 3'000 mm

W 1'500 mm

Conveyor speed: v 1,5 m/min

Scope of delivery:

1 x MagicCompact® EquiFlow® BA04-XXL

20 x OptiGun® GA03-P automatic guns

2 x OptiSelect® Pro GM04 manual guns

1 x OptiCenter® OC07

with 22 x OptiSpray AP01.1 application pump

1 x MagicControl 4.0 (CM40) control unit

2 x ZA07-28 reciprocator with XT10 horizontal axis

2 x ZA16-33 reciprocator with XT10 horizontal axis

16 x UA05 gun axis

1 x OptiFeed BigBag for wasted powder

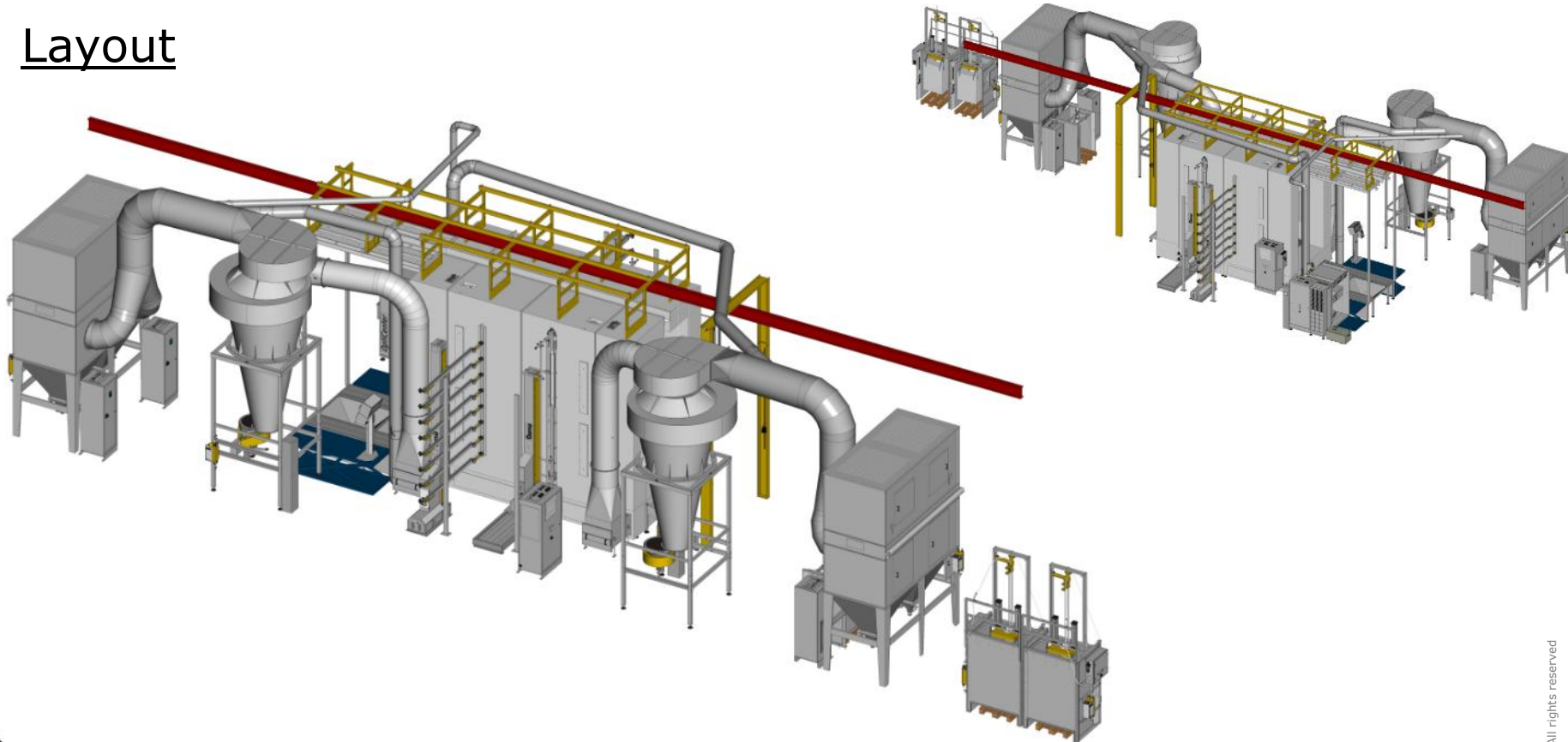
2 x EZ05-24 monocyclone w. after filter 48'000 Nm³/h



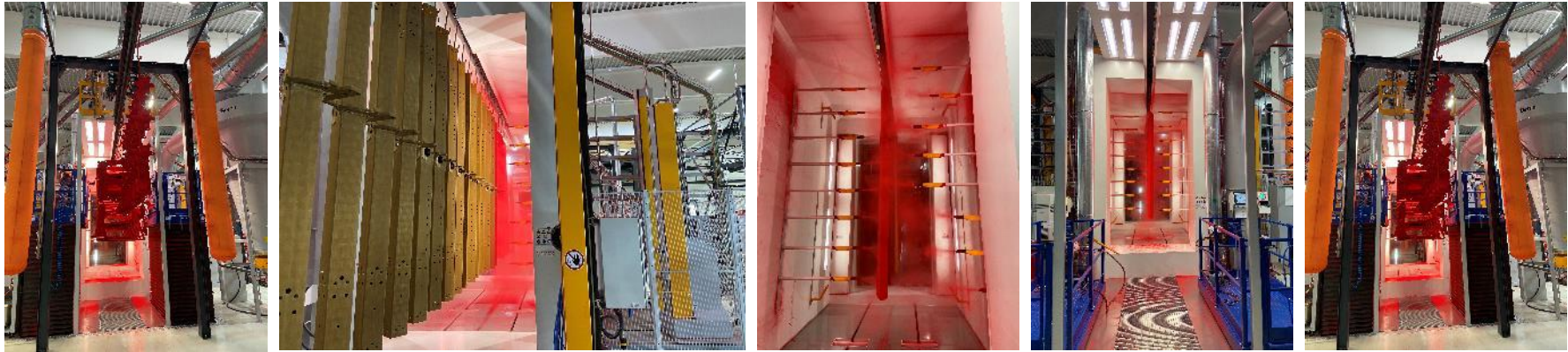
Image source: Gema

Application Success Stories

Layout



Application Success Stories



HORSCH is a leading global manufacturer of innovative agricultural machinery and modern solutions for tillage, seeding and plant protection.

To reduce VOCs, improve surface quality and expand production capacity, the Schwandorf (Germany) plant switched from wet painting to powder coating in 2023. Modern, energy-efficient and sustainable plant technology from Gema was installed for this purpose. The centerpiece is the very large XXL powder booth with lifting

platforms and automatic, vertical gun axes. To optimally coat the large, complex components, pump technology was used throughout for uniform powder delivery and optimum application efficiency.

The construction phase took place at a time when the economy was struggling with a shortage of raw materials, bottlenecks supply and skyrocketing prices.

However, thanks to close and cooperative collaboration between all departments

involved and the suppliers, HORSCH was able to complete the project on time and according to plan.

By integrating and automating the coating process, HORSCH was able to reduce throughput times as well as production, quality and transportation costs. At the same time, ergonomics and employee protection were improved.