

Application Success Stories

Amazonen Werke Agricultural machines



AMAZONE

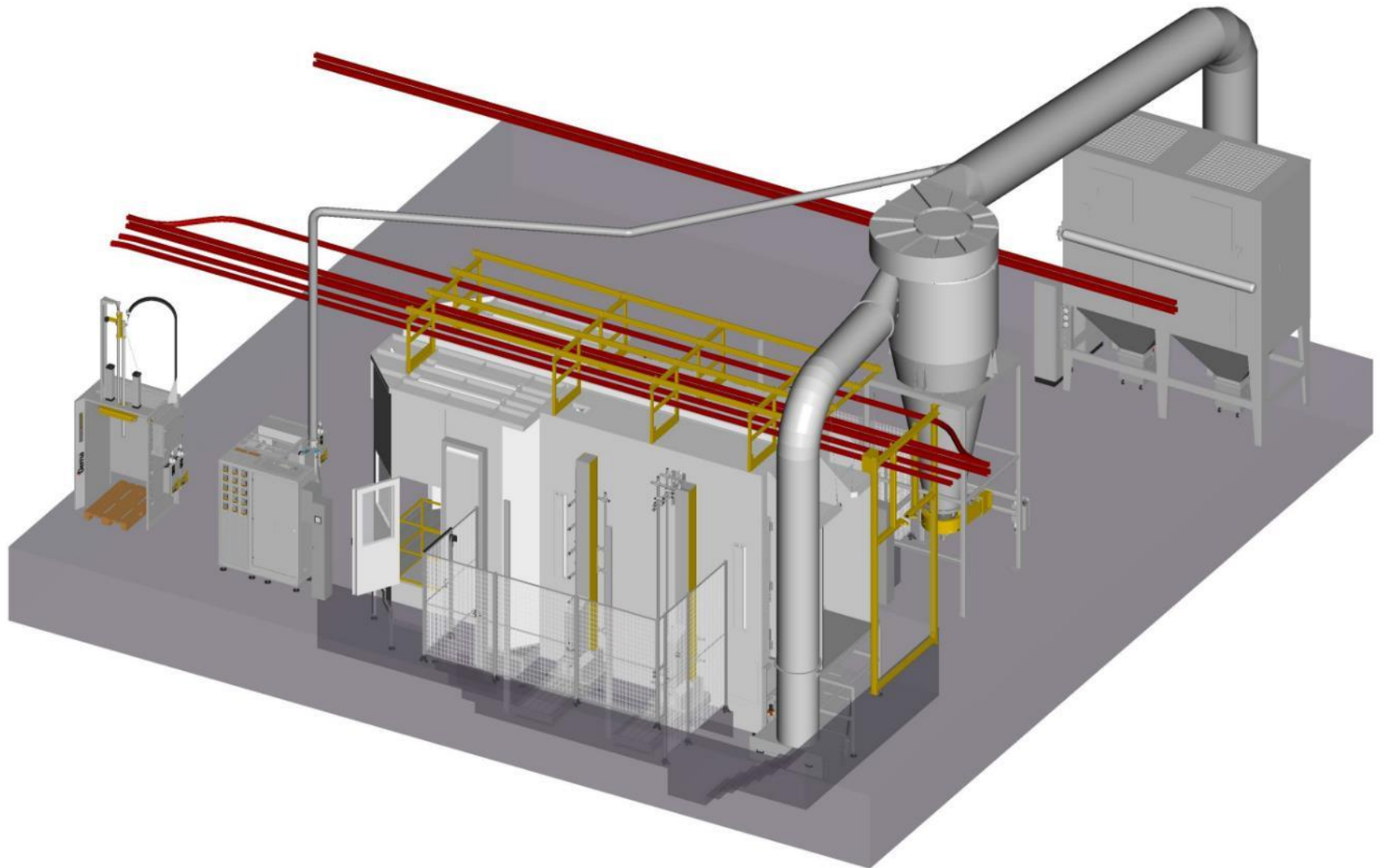


Product Quality

Efficiency

Flexibility

Application Success Stories



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Technical Data

Parts:

agricultural machines

Parts size:

H 2'500 mm

W 1'500 mm

L 6'500 mm

Conveyor speed:

V 0.5 – 3.0 m/min

Scope of delivery:

1 x OptiFlex AS06 – 24P

22 x OptiGun GA03 – 1300 automatic gun

2 x OptiSelect®2 GM03 manual gun

5 x ZA07 – 23 axis with XT10 – 12

1 x ICS04/ MagicControl CM30 control system

1 x OptiCenter OC02 with 24 x injectors

1 x MagicCompact BA04 – XL color change booth



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For more than 130 years, the agricultural machinery produced by Amazone has offered a winning combination of robustness and durability. In response to customers' growing demands for corrosion protection and a high-quality finish, the company started 2017 using a new coating unit featuring cathodic electrodeposition combined with liquid coating and powder coating.

In 2011, when Amazone were still using wet paint only, Gema gave them their first experience of powder coating. Amazone then decided in 2013 to introduce this process. The reasons for this were



the very high level of physical protection, which are ideally suited to the harsh conditions faced by agricultural machinery, the wide range of colours, and the need to satisfy the rules relating to VOC.

A standard cabin could not really accommodate very large parts. The Gema solution with a fully automatic MagicCompact XL booth containing vertically adjustable manual coating stations, was the preferred option ahead of competitors. The hand-held guns were a real plus and impressed coating personnel from the start with their general feel, handling and coating performance.



Not unlike the agricultural machinery produced by Amazone, the new unit is designed for maximum efficiency. Precise gap control, axis with angled guns, vertically adjustable manual coating stations, the full recovery of powder and a power circuit for electrical loads. The overall package supports efficient and high-quality coating.

The unit was put into serial production shortly after coating personnel had been retrained. This has helped Amazone further improve the quality of its products to the satisfaction of users. The switch to powder coating has certainly paid off!

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