

Application Success Stories

TRIOLIET BV Feed mixers

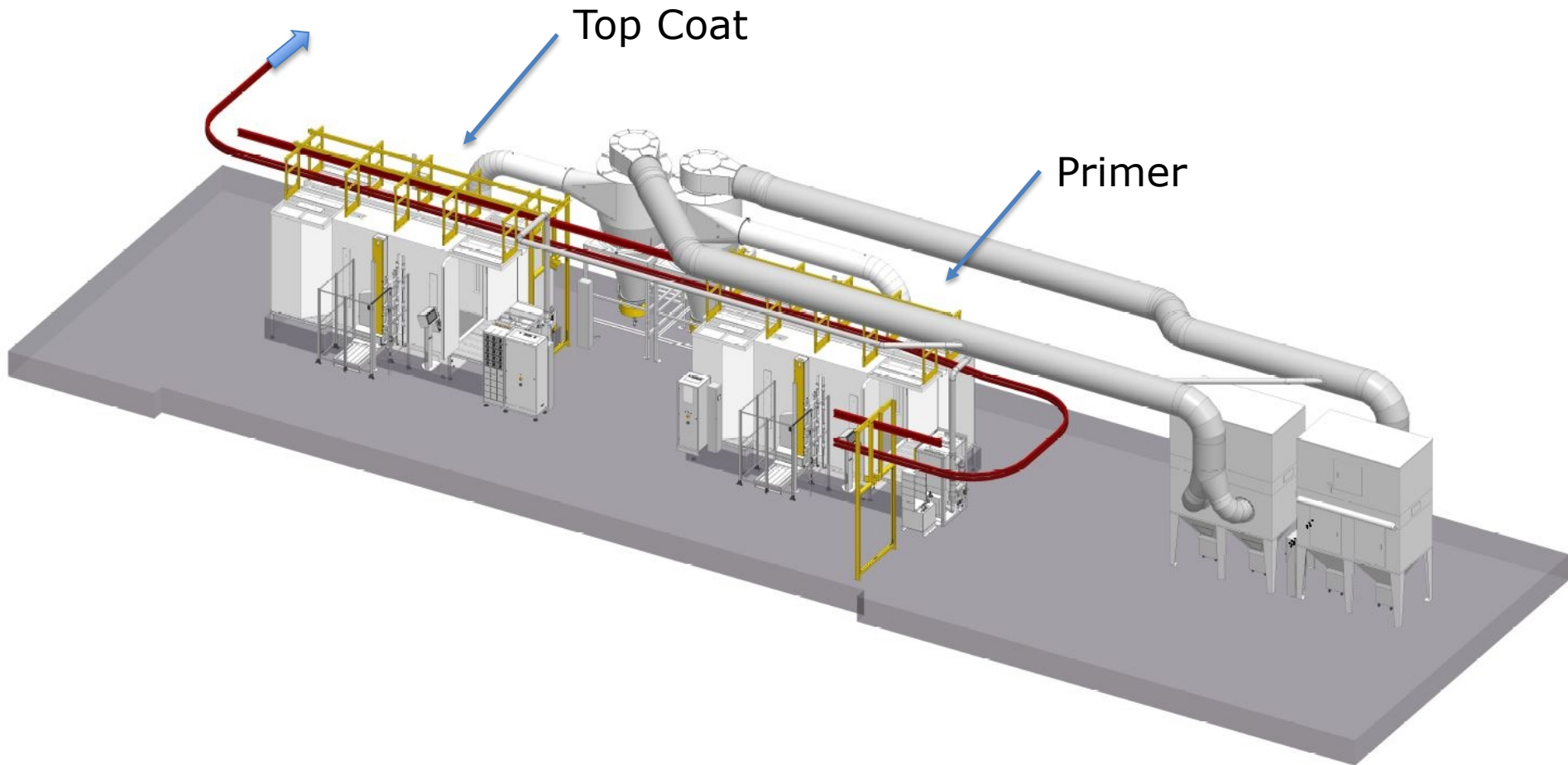


Dry on Dry Coating

Energy savings

Capacity increase

Application Success Stories



Application Success Stories

Technical Data

Parts: Parts for feeding mixers

Parts size:

H 1'850 mm

W 1'250 mm

L var.

Conveyor speed: v max. 2.0 m/min

Scope of delivery for „Dry on Dry“ system:

2 x OptiFlex® AS06 / 10P

8 x OptiGun® GA03P-1700 positive charge

8 x OptiGun® GA03P-1700 negative charge

2 x OptiSelect® GM03 positive charge

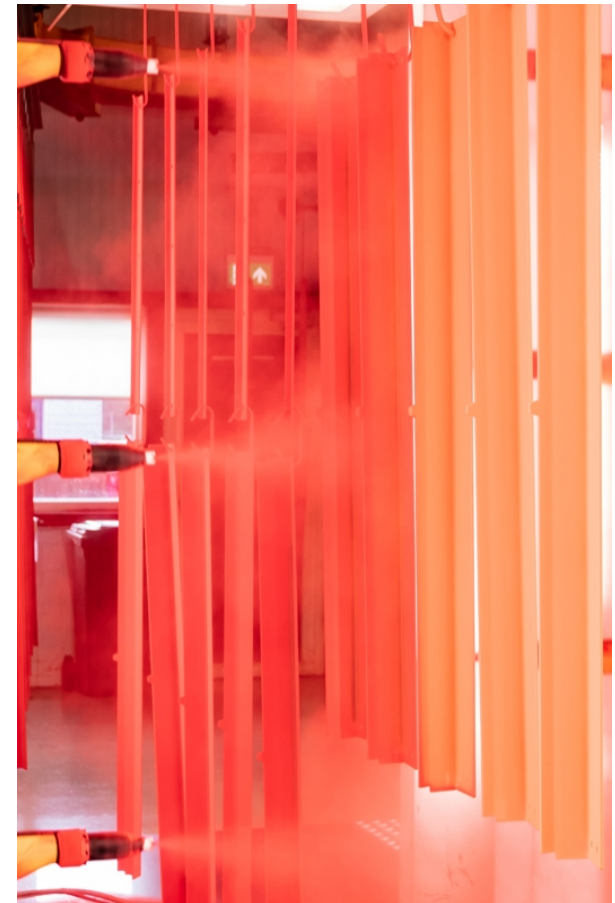
2 x OptiSelect® GM03 negative charge

4 x ZA07-18 reciprocator with XT10

1 x OptiCenter OC04 / 1 x OptiCenter OC02

1 x MagicCompact® EquiFlow® w. MagicControl CM40

1 x MagicCompact® EquiFlow® w. MagicControl CM40



Application Success Stories



Trioliet in Oldenzaal, NL, is a full-service supplier of feeding machines for livestock farms and exports 80% of its production to over 50 countries. Special attention is paid to safety and sustainability in the development and production of the machines. The latter is also underlined by 4,400 solar modules, which generate electricity over an area of 10,000 m².

Trioliet also uses for their powder coating "Dry on Dry" technology, which is an energy-saving and sustainable solution. However, certain machine parts with sharp



edges and corners explicitly require a double coating which consists of a primer and a top coat. Together with Gema Switzerland GmbH and AkzoNobel Powder Coatings, Trioliet developed a new "Dry on Dry" double powder coating process for this purpose – it is to date unique worldwide.

The new powder coating plant consists of two MagicCompact EquiFlow systems placed in line. One line is equipped with negatively and the other one with positively charged electrostatic powder guns. Thus, the second



layer can be applied directly after the first one without heating the parts in between. This saves one oven and one cleaning cycle. This way Trioliet consumes the equivalent of 75,000 m³ less natural gas per year! At the same time the production capacity has been doubled with the new Gema plant. This shortens the throughput time and reduces energy consumption by 50% compared to similar plants. Trioliet thus has one of the most environmentally friendly coating lines in the world.

Application Success Stories



Application Success Stories

