

# Application Success Stories

## From "Wet Paint to Powder Coating" The Professional Spraying Technology for Tank Cars



Clean Environment

Automatic Coating

Huge sized Workpiece

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## Installation Key Data

**Parts:** Tank truck and chassis

**Object sizes:** H 2'600 mm  
W 2'500 mm

**Conveyor Speed:** 2.2m/min

**Scope of delivery:**

- 40 x OptiGun® GA03 automatic guns
- 2 x MagicCompact® EquiFlow® BA04 XXL booth
- 2 x MagicControl 4.0 (CM40)
- 8 x OptiFlex® Pro W manual coating equipment
- 7 x ZA07/XT10 reciprocators
- 4 x ZA13 reciprocators
- 12 x Dynamic contour detection laser scanner
- 2 x RSBP Flameproof system

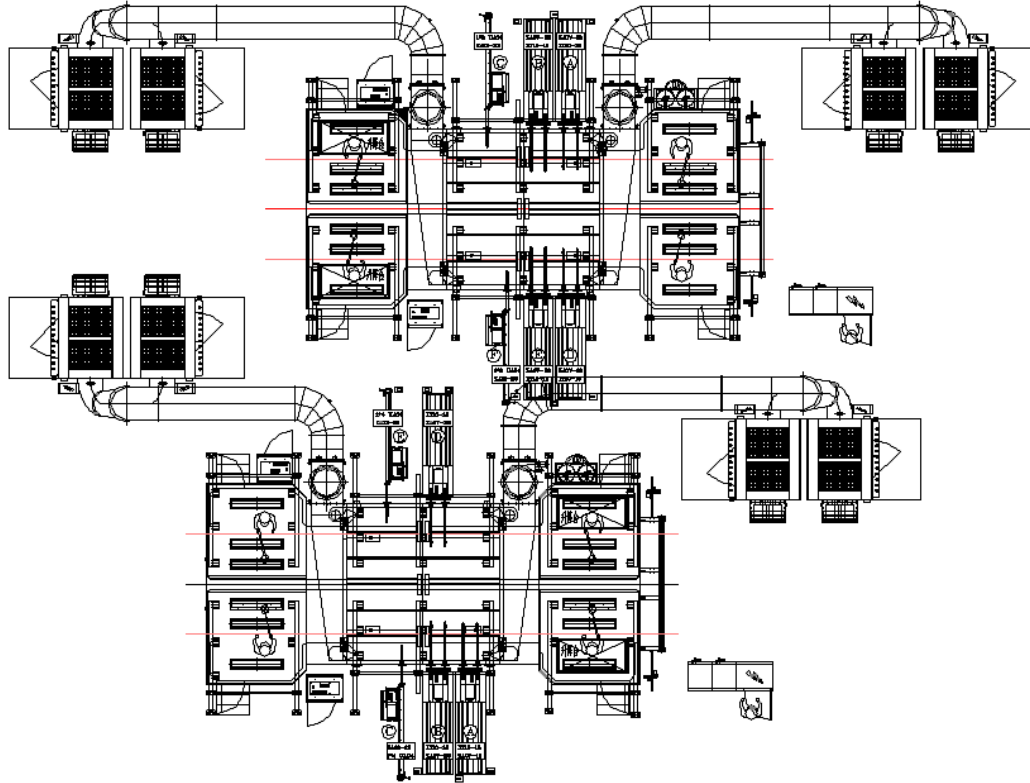


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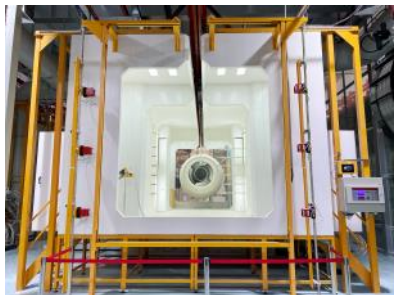


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## Layout



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## Company Profile

XUZHOU XCMG SCHWING MACHINERY Co., Ltd., under Xuzhou Construction Machinery Group ("XCMG"), is a Sino-Germany joint venture company controlled by Chinese party. The Company is a professional enterprise that is engaged in R&D, manufacturing, sales and construction of machinery products, which mainly includes transit mixer truck, concrete pump truck, vehicular concrete pump, trailer concrete pump, concrete shotcrete truck, dry-mixed mortar mixing plant and carrier vehicle, demountable tanker carrier, carrier vehicle for power and particle materials. With annual amount of exports over USD 1.6 billion, the company has developed into the most influential and most promising enterprise in China's concrete machinery industry.

## Company Expectation

As a leading enterprise in the industry, XCMG hopes that, based on the professional intelligent solutions of Gema, it could transform its business into powder coating and satisfy the coating requirements of both tank and carframe simultaneously within limited area, thus to increase its production capacity and improve its coating quality. XCMG used to cooperate with several brands in several retrofit projects, and it is the first time that it cooperates with Gema brand for the project. Compared with other brands, XCMG is satisfied with the quality of Gema and hopes to cooperate with Gema in more projects in the future.

## Key to Gema Success

The MagicCompact EquiFlow BA04 XXL booth with the height of 4.8m and width of 4m is specially designed for large-sized workpieces. The control unit CM40 is specially designed for

networking among all modules during the powder coating process, which simplifies the production and maintenance and raises the management efficiency of the whole production line.

The ZA13 reciprocator is equipped with the cleaning function for spray gun barrel with ring, i.e., when the spray gun goes through the automatic blowing ring, the ring could clean the spray gun barrel from all angles, without any overflow of powder, thus ensuring a clean working environment on the site, so it is highly recognized by customers.

The dynamic contour detection laser scanner could scan the geometrical shape of a variety of complex workpieces precisely. Besides, the laser scanner takes no additional time to adjust its axis motion but automatically writes the U-axis program, so it has realized high degree of automation.