

Application Success Stories

World's First Powder Coating line for Concrete Mixer Truck

CIMC **RJST**
瑞江汽车



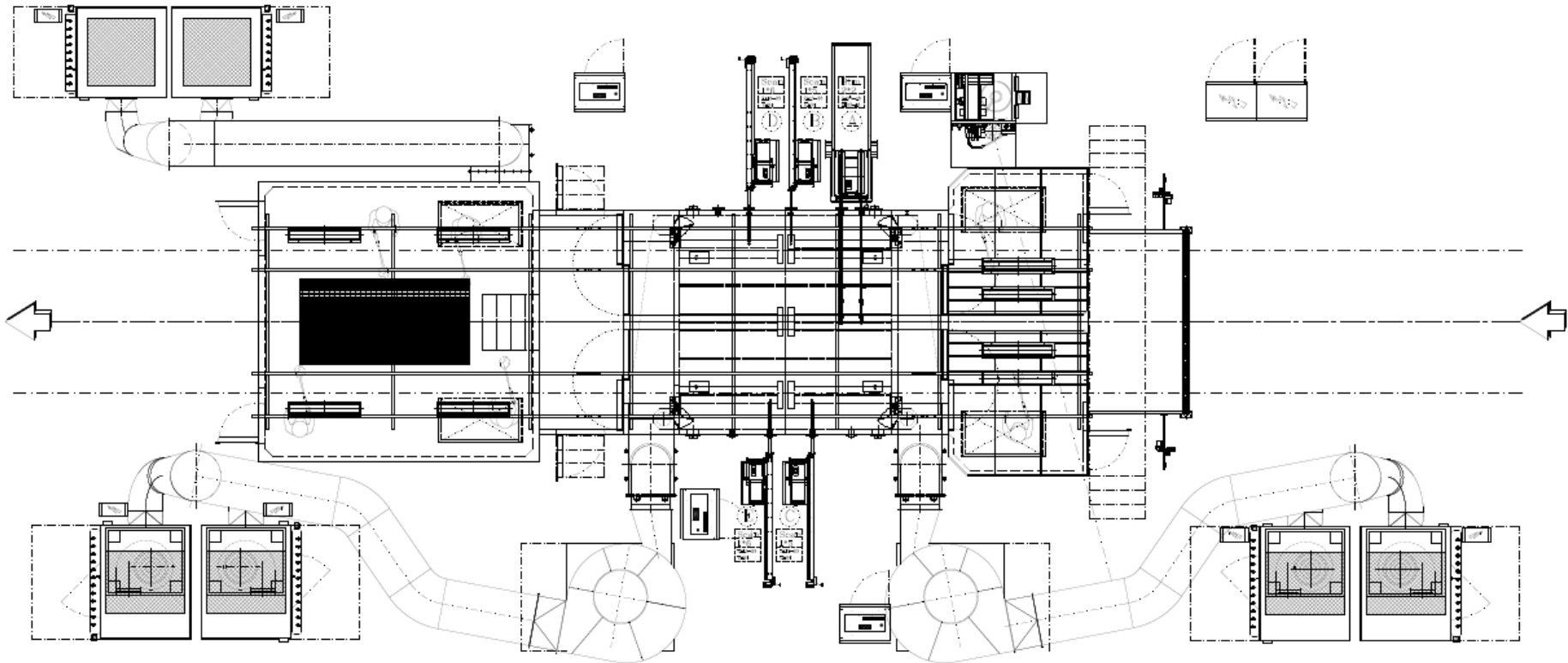
Wet to Powder

Huge Size
Parts

Clean Environment

Application Success Stories

Layout



Application Success Stories

Installation Key Data

Parts: Tank truck and chassis

Object sizes: H 3650 mm
W 2550 mm

Conveyor Speed: 1.0 m/min

Scope of delivery:

26 x OptiGun® GA03 automatic guns

6 x OptiSelect® GM03 manual guns

1 x PLC MagicControl CM30

4 x ZA13 / XT10 reciprocators

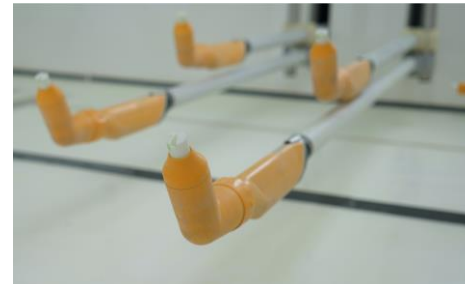
1 x MagicCompact® EquiFlow® BA04 XXL booth

1 x OptiCenter® OC02 powder management system

6 x Dynamic Contour Detection Laser Scanner



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Company Profile

CIMC Ruijiang is a special vehicle manufacturing enterprise located in Wuhu, Anhui province, and a backbone member of CIMC vehicle (group) Co., LTD. The company has a total asset of nearly 2 billion yuan, with more than 1200 employees, covering an area of 500 mu. The production area covers 90,000 square meters. It owns three series of products including liquid tank trucks, powder tank trucks and mixer trucks. The production and marketing scale of the factory ranks among the top three in China for a long time. The total number of tank vehicles make CIMC the leader of China's tank vehicles.

Company Expectation

With the help of CIMC's global operation platform, CIMC Ruijiang continuously introduces and implements the most advanced international special vehicle products and processes, ensuring the exclusive production of Ruijiang products and reaching the leading level in the global industry. Gema was chosen to continue the successful cooperation experience with CIMC group.

Key to Gema Success

- The 5.9 meters tall and 5.0 meters wide BA04 XXL booth was customized to fit huge size workpieces.
- 4 extra tall lift platform at each corner of booth entrance and exit helping manual touch-ups to

- reach position as high as 6 meters.
- The unique side suction openings were newly created to ensure abundant air volume at the ceiling of the room with an impressive exhaust efficiency at 88000m³/h. This new system eliminated the gaps and problems of traditional solutions.
- 6 Contour detection laser scanner work together precisely to facilitate dual-sided detection of various complex shaped workpieces and to automatically adjust 22 U-axis guns to the correct position for the coating process.

It's the world's first powder coating line in production for tank trucks!