

Application Success Stories

Hangzhou FangYuan Plastic Machinery Co., Ltd

Gema Powder Coating System Solution



XXL Booth
Application

Fast Color Change

Premium Coating
Results

Application Success Stories

Installation Key Data

Parts: Machinery Parts

Object Size: H 3.000 mm
W 1.600 mm

Conveyor Speed: 1-1.5 m/min

Scope of delivery:

- 1 x OptiCenter® OC08 with OptiFeed PP07 powder pump
- 24 x OptiGun® GA03 automatic guns
- 24 x OptiStar CG20-C gun controls
- 4 x OptiSelect® Pro GM04 manual guns
- 4 x OptiStar 4.0 (CG20) gun controls
- 2 x OptiFlex® Pro B manual unit (dual gun)
- 3 x Reciprocator ZA07-23 with XT10
- 1 x MagicControl CM40
- Light barrier



Layout



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Company Profile

Hangzhou Fangyuan Plastic Machinery is a professional EPS, EPP machinery manufacturer integrating R&D, production and service to end markets. Established in 1988, with 28 years of factory experience, Fangyuan is honored as a National High-Tech Enterprise.

Fangyuan placed a new powder coating line with Gema China to expand its existing production and make its production more flexible.

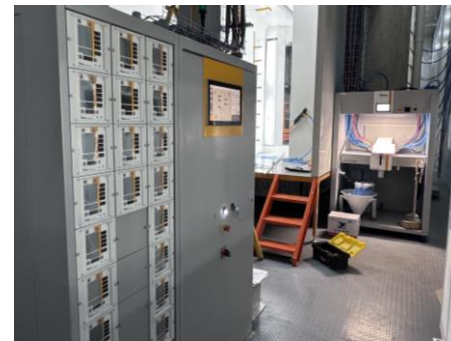


Company Expectation

Reducing powder consumption and improving color change flexibility by reducing powder waste, which could achieve satisfactory results by using Gema XXL booth application, were among the key improvement targets for the new coating line.

The new Gema system should fulfill the following:

- Eco-friendly powder coating
- Quick color changes
- Space saving design
- Improved productivity



Keys to Success

Due to the large size of the objects to be powder coated, lifting and manual touch-up equipment were installed on 2 sides of the booth to coat various objects. In addition, the high-quality Gema application offered the following benefits to the owner:

- OptiFlex Pro B dual gun powder coating application with easy color changes
- Reduced product costs due to powder recovery
- Improved coating quality
- Reduction of manpower