

Application Success Stories

A decade-long retrofit plan finally fulfilled with successful application of AP01 pump



High Transfer
Efficiency



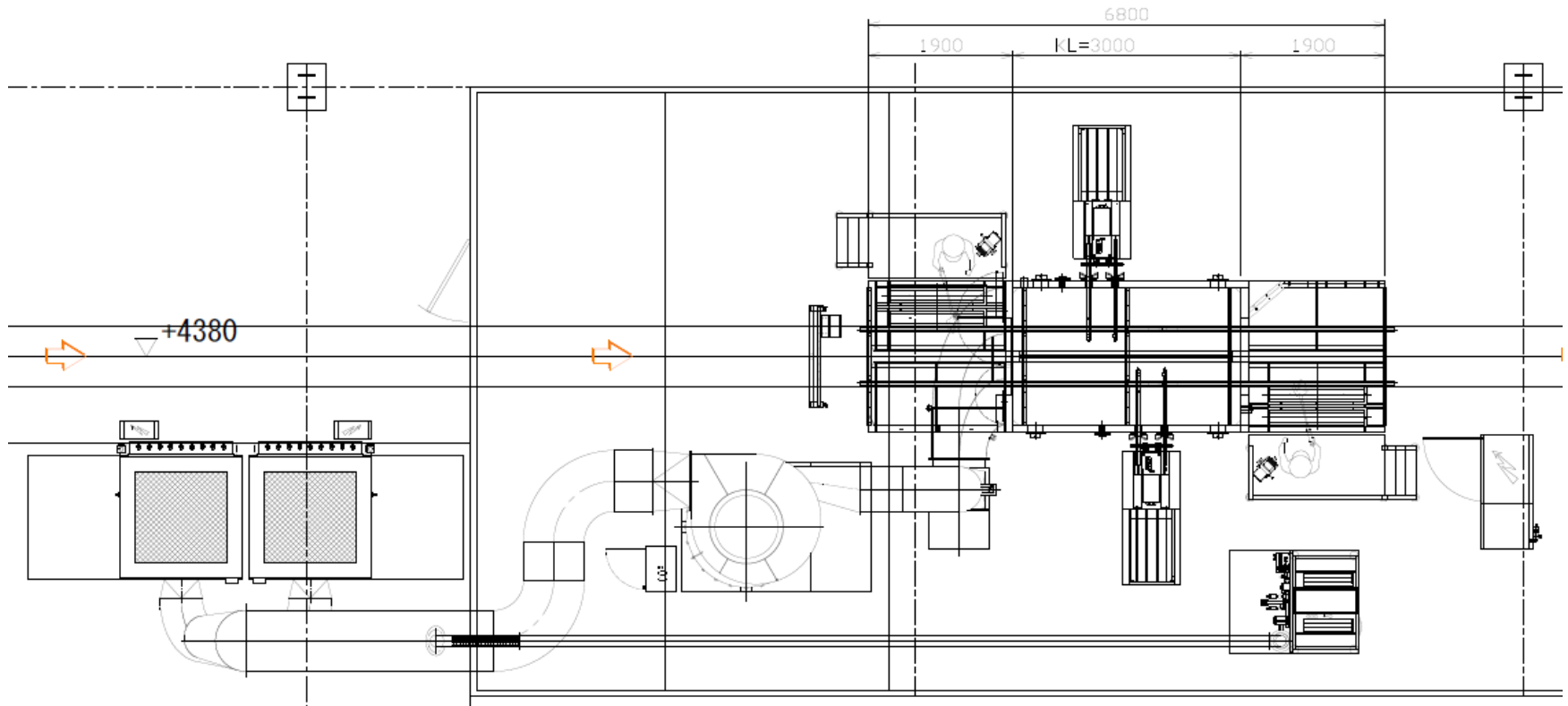
Labor and Powder
Saving



Clean Environment

Application Success Stories

Layout



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Installation Key Data

Object sizes: H: 2500mm W: 900mm

Conveyor Speed: 3m/min

Scope of delivery:

16 x OptiGun® GA03 automatic gun

2 x OptiSelect® GM03 manual gun

2 x ZA07 -23 reciprocator

1 x MagicCompact® EquiFlow® booth

1 x OptiCenter® OC03

18 x OptiSpray AP01 application pump

1 x STS fire detector

1 x PLC MagicControl CM30 system

2 x 2400 m³ Monocyclone after filter



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Company Profile

Shanghai Tateyama Commercial Facilities Co. Ltd., was founded as a base to sell Japanese quality products to customers of commercial establishments all over the world, focusing also on the Chinese market.

Tateyama Advance Company is striving to become a "space creator making commercial spaces comfortable for people," and to reach this goal they are developing business related to commercial facilities consisting mainly of shop fixtures, signs and signboards.

Customer Expectation

As a well known manufacturer in its field, STC always value the influence by production equipment on the

product quality. They used a competitor brand for decades, but were looking for an alternative to overcome existing system disadvantages. Gema offered the right solution to STC and successfully implemented OptiSpray AP01 application pump technology to solve the existing line problems.

Key to Gema Success

This Gema retrofit line fully adapts to the compact plant space with a rewarding outcome: a powder saving rate as high as 20%.

- The unique powder hopper concept of the OptiSpeeder prevents powder loss during fluidization, meanwhile the OptiCenter OC03 and the integrated ultrasonic sieving solution US06 provide a

continuous mix of fresh and recovery powder, increasing the powder usage efficiency and decreasing the amount of waste powder by 63%.

- The advanced AP01 application pump technology offers a very stable powder output over long time, ensuring a high transfer efficiency and repeatable excellent coating quality, which decreases the rate of rejects .
- The automatic cleaning program also allows quick color changes and an easy maintenance.
- Gema automation cut down requirements for manual touch-ups to 2, which means cost saving on labor.