Ji’nan ShengTai Painting Equipment Co.,Ltd.
Address: East of the intersection of Dongwaihuan Road and Wenhua Road in Wenden Village, Diaozhen Street, Zhangqiu District, Jinan City,Shandong Province
Email: sales@stpowdercoating.com WhatsApp:+8615854139190

Preface 1. The determination of the production line process scheme fully considers technological advancement and ensures that product quality requirements are completely met. 2. The design and selection of production line process equipment ensure the realization of all process requirements and technical parameters. 3. All equipment used on the production line is advanced, practical, reliable, and safe. Major equipment and components are selected from nationally designated manufacturers or well-known high-quality brands. 4. For all self-manufactured equipment, common parts and standard components are adopted as much as possible in structural design to improve automation. Full consideration is given to improving the working environment and occupational health conditions, and all relevant national and industry standards and safety measures are strictly implemented. 5. The overall layout of the production line is designed with full consideration of process flow rationality.

Design Principles

On the basis of meeting all technical requirements of the customer, efforts are made to minimize one-time investment and reduce energy consumption of the production line, thereby lowering production costs.

Based on the requirements and site dimensions provided by the customer, full consideration is given to on-site conditions, and careful design is carried out for the process flow and layout of the process plan.

The entire design proposal follows the principles of economy, practicality, and high cost performance. Under this proposal, we are responsible for the design, manufacture, and installation of the following equipment:Pretreatment system; Dry-off oven; Powder spraying equipment; Curing oven and heating system; Overhead conveying system

Key Components			
Section	**Specifications**	**Process Characteristics /**	**Construction / Materials Used**
I) Pretreatment	- Spray section: L59.1m × W1.1m × H5.35m	Room-temperature process. Main structure made of stainless steel, spray pipes are PVC, and the frame uses standard profiles.	Number of storage tanks: 12 total (Pre-degreasing, Main degreasing, Rinse ×2, Derusting, Rinse, Neutralization, Rinse, Surface conditioning, Phosphating, Rinse ×2)
	- Immersion section: L108.2m × W1.1m × H2.7m		Process method: Combination of spray and immersion.

II) Drying Oven for Moisture	- Type 1: L14m × W1.2m × H3.1m	Indirectly heated bridge-type oven using diesel fuel.	Construction: Oven body, diesel heating system, exhaust emission system.
	- Type 2: L9.0m × W2.6m × H3.1m		Outer wall: Color-coated steel sheet (1.0mm)
			Inner wall: Galvanized sheet (1.0mm)
			Insulation layer: Rock wool (≥100mm)
			Frame: Cold-rolled steel plate
			Ductwork: Galvanized steel sheet (1.2mm)

Please provide detailed information so that we can provide you with a more accurate solution:

1.What are the Maxminum and Minimum dimensions of your workpieces (L × W × H)?

2.What is the maximum weight of each workpiece? If available, please also provide product photos.

3.How many workpieces do you plan to coat per day (based on 8 or 16 working hours) or per month?

4.Which heating source do you prefer, such as electric power, diesel, fuel oil, or natural gas?

5.What are the dimensions of your workshop (L × W × H)? If possible, could you share a layout or drawing of the facility?

6.Prior to coating, do you require spray pre-treatment to prepare and clean the product surface?

7.What voltage and frequency standards are used in your country?

Please also share your WhatsApp or another instant messaging contact so we can communicate more efficiently.

Website: https://www.stpowdercoating.com

Address: East of the intersection of Dongwaihuan Road and Wenhua Road in Wenden Village, Diaozhen Street, Zhangqiu District, Jinan, ShanDong, China, 250000

WhatsApp: +86-15854139190;

WeChat/Telegram: +86-15098917702