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

Semi-Automatic Powder Coating Booth ST-MPC-B1310

This manual spraying method adopts a small circulating coating conveyor combined with a box-type curing oven with doors at both ends. In this configuration, a closed "small circulating spray conveyor" is installed inside a dual-station spray booth. After the workpieces are hung on the conveyor, they move automatically along the line and pass through the spray booth at a constant speed. During this process, two operators—each using a manual spray gun — carry out the coating operation. After spraying, the workpieces are manually transferred into the box-type curing oven for curing. With this approach, the coating capacity can be close to that of a "semi-automatic coating line," while requiring significantly lower equipment investment and much less floor space.

Advantages:

The use of a small circulating spray conveyor and a dual-station spray booth greatly improves spraying efficiency. Coating quality is easier to control compared with traditional fully manual spraying. With proper manpower arrangement, production efficiency can approach that of a semi-automatic coating line.

Disadvantages:

This method is not suitable for small-batch coating of irregularly shaped workpieces. When batch sizes are too small, the energy consumption per part remains high, leading to increased coating costs. If your workpieces have relatively consistent dimensions and the output of conventional manual spraying can no longer meet your production

requirements, a cost–effective semi–automatic coating line is an ideal option. It does not require heavy investment in expensive spray robots or pretreatment lines, yet it can deliver productivity close to that of a fully automatic coating line.

Semi–Automatic Manual Powder Coating System

- Small circulating spray conveyor with dual–station spray booth
- Two operators spraying manually at constant conveyor speed
- Box–type curing oven with doors at both ends
- Production capacity close to a semi–automatic coating line
- Lower equipment investment and smaller footprint
- Improved efficiency and easier quality control than full manual spraying
- Not suitable for very small batches or irregular–shaped workpieces
- Cost–effective upgrade toward near–automatic production capability

Key attributes

Voltage: Based on Local

Machine type: Spray Booths, Painting Equipment, Coating Equipment

Coating: Painting

Substrate: Steel

Warranty: 1 Year

Pore components: PLC, Engine, Motor

Key selling points: Easy To Operate

Type: Powder Coating Booth

Power(w): customized

Place of origin: Shandong, China

Weight (kg): 700

Brand name: ShengTai

Dimension(l*w*h): 1300*1000*2000mm, Size customized