



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@stp powdercoating.com WhatsApp:+8615854139190

### Automotive Spray & Curing Booth ST-LPC700

|  |  |
|--|--|
| Outer diameter (mm)                          | 7000×5200×3300 ( L*W*H)  |
| Inner diameter (mm)                          | 6900×3900×2600 ( L*W*H)  |
| Voltage, Frequency                           | 380v50HZ   |
| Location of the air supply and exhaust vents | Choose left, right, or both  |
| Main gate parameters                         | The 3000 × 2550 (W*H) three-panel handcrafted metal door features 0.5mm color-coated sheet metal panels for both inner and outer surfaces, with protective films applied to minimize surface scratches. The door's interior is constructed with 1.2mm galvanized steel frames welded together, while 6mm cold-rolled steel plates are embedded in the hinge areas to prevent sagging. An 180 × 120mm aluminum profile with 15mm thickness and a robust hinge ensures structural integrity and a sleek appearance. The observation window incorporates an inner high-temperature rubber seal and 5mm tempered circular glass for safety. The door is filled with 120kg rock wool and bonded with door panels to ensure a smooth, even finish. |
| Escape door/color                            | 1 panel (650*1750 mm, W*H), aluminum alloy edge, ensuring both sealing and deformation resistance.   |
| Materials for wall / pigment                 | 50mm purified rock wool board with 0.4mm thick iron sheets on both sides. The rock wool has a density of 100kg/m <sup>3</sup> . Long bones are added on both sides to prevent tearing during loading/unloading and enhance wind pressure resistance. Protective films are applied on both surfaces to reduce scratches.  |
| Roof   | The galvanized folded roof panel is used, with a steel sheet thickness of 0.6 mm.  |
| Platform                                     | The galvanized steel enclosure features three layers of 30 × 5 steel grilles (18 pieces) and two layers of 1.8mm anti-slip plates, with a surface electrostatic coating. The load-bearing brackets are constructed by welding convex steel and C-shaped steel. Three glass fiber cotton support nets are installed beneath the grilles.  |
| Carriage                                     | Built-in ramp for getting in the car.  |



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

### Automotive Spray & Curing Booth ST-LPC700

|   |  |
|---|--|
| <p><b>Lighting</b></p>                  | <p>The entire system employs Foshan-brand energy-saving LED lighting, featuring 8 top-mounted units (4 × 16W each) with internal access for maintenance. The light boxes are constructed from 0.8mm galvanized sheet metal, electrostatically coated, and tempered glass.</p>  |
| <p><b>Blower</b></p>                    | <p>Two YDW series centrifugal fans with 3KW power each are adopted in Yancheng Hengkang, with total air volume of 20000m<sup>3</sup>/h and side upper air intake. The air velocity is 0.2m/s.</p>  |
| <p><b>Heating system</b></p>            | <p>The system employs halogen shortwave gold-plated infrared lamp tubes for radiant heating, featuring 20 sets of heating lamps (3 tubes per set, 1.0 kW each), with a total output of 30 kW.</p> <p>It is designed for dual-door external installation. The power supply uses 2.5mm<sup>2</sup> high-temperature cables and 50×60mm iron wire conduits.</p>   |
| <p><b>Electronic control system</b></p> | <p>The system employs Delixi Electric, a renowned domestic brand, with centralized control. All components including fans and lighting are independently controlled by circuit breakers, featuring dedicated switches for lighting, spray painting, and operational indicators. It provides temperature-controlled spray painting, baking temperature regulation, time setting, and emergency stop functions, with each pair of baking lamps operating as an independent unit. The fans are equipped with thermal overload protection devices. The mechanical housing features a</p> |



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@stp powdercoating.com WhatsApp:+8615854139190

### Automotive Spray & Curing Booth ST-LPC700

|  |   |
|--|---|
|  | 1.0mm-thick shell and incorporates a 15kW variable frequency drive for the exhaust fan.   |
| <b>Air cleaning system</b>                                   | The intake filter cotton is premium-grade, effectively filtering dust particles larger than 10 microns. The top HEPA filter cotton is CC-600G, a sub-high-efficiency filter that removes particles over 5 microns. Total Suspended Particles (TSP) level: $\leq 1.4\text{mg}/\text{m}^3$ .                |
| <b>Materials for the cabinet and the installation method</b> | The isolation box features: 1.0 galvanized steel plate with bending and welding, 110 main unit, 50*50 square tube frame, and single-layer electrostatic spraying of galvanized mask. The upper air inlet is also made of 1.0 galvanized steel plate with bending and welding, and electrostatic spraying. |
| <b>Spray tower</b>   | 8mm thick PP board welded, dimensions $\phi 1500 \times 3500\text{mm}$ , with 2-layer spray and 3-layer filtration, equipped with a 1.5kW water pump and a treatment air volume of $10,000\text{m}^3/\text{h}$ .  |
| <b>Activated carbon adsorption box</b>                       | 1.2mm thick galvanized steel plate with bending, assembly, and welding, surface powder-coated, dimensions $2000 \times 1100 \times 1300\text{mm}$ (length*width*height), 6 drawers, 240 waterproof honeycomb activated carbon sheets, air handling capacity $10000\text{m}^3/\text{h}$                    |
| <b>Exhaust blower</b>  | 15kW, airflow $14,700\text{m}^3$ , air pressure 2,450Pa, 380V 50Hz  |
| <b>Exhaust duct configure</b>                                | Manufactured from 0.6mm thick galvanized steel sheet, one set of $\phi 500\text{mm}$  |



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@stp powdercoating.com WhatsApp: +8615854139190

### Automotive Spray & Curing Booth ST-LPC700

|         |                    |
|---------|--------------------|
|         | spiral air ducts   |
| Pigment | Double-sided white |

#### Equipment Advantages

1. Excellent working environment and extremely high work efficiency: Work efficiency is several times or even dozens of times higher than manual labor. The paint surface is smooth, uniform, and free of impurities.
2. Healthy materials: It saves space and is convenient to use. At the same time, it can forcibly dry the primer and topcoat, accelerating work rhythm and increasing work power.



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

1. What are the Maximum 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?



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@stpoudercoating.com WhatsApp:+8615854139190

### **Automotive Spray & Curing Booth ST-LPC700**

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.

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

Email: sales@stpoudercoating.com