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Industrial Powder Coating Oven ST-MPCL-8321

Specification Item	Details
Fixed Furnace (L×W×H)	8000×3000×2100
External size	Two doors opposing
Platform thickness	0.6mm steel skin
Frame	120×120×2
Packing edge	1.2mm riveting
Wiring	High-temperature, iron-plated
Heating equipment	Natural gas
Furnace card	200,000 cards
Fan	3 fans
Heat treatment	2500×1500×1500, internal 304×3
Circulation duct	Control
Control panel	Temperature control
Fan control	Italy-made

The oven features a forced convection airflow system with adjustable airflow, ensuring even distribution to prevent hot and cold spots. For optimal thermal efficiency, the insulation material used is high-density mineral wool or fiberglass insulation RW5, with a minimum thickness of 100mm. The exterior is constructed from durable, corrosion-resistant galvanized steel, with an option for a powder-coated finish. Inside, the heating elements are made from high-efficiency, corrosion-resistant materials, and the control system includes programmable digital controllers with PID (Proportional-Integral-Derivative) for precise temperature regulation. Standard interior sizes are available, and custom sizes can be provided upon request. For further details, a downloadable PDF file is available.

Oven Models

Batch Ovens: Perfect for limited production runs.

Conveyor Ovens: Best suited for large-scale production with continuous operation.

Temperature Range

Operating Temperature: 160°C to 220°C

Temperature Consistency: ± 5°C

Heating System

Heating Options: Electric, gas, or hybrid (gas/electric) systems.

Heating Elements: Made from high-efficiency, corrosion-resistant materials.

Control System: Features programmable digital controllers with PID (Proportional-Integral-Derivative) for precise temperature regulation.