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

Auto Parts Powder Coating Line ST-APC-C236

Item	Details
Workpiece Size	Length 2000mm, Height 30mm, Width 600mm
Process Line Speed	V = 1.5m/min (Adjustable range 0.5m/min - 4.0m/min)
Conveyor System	Adopting QXG-150 type suspended conveyor chain, track length approximately 39m, 1 set of conveyor line power, utilizing variable frequency drive (VFD)
Process Flow	Loading -- Spraying -- Unloading (manual transfer cart) -- Curing
Drying Tunnel	Uses high-quality rock wool board, 100mm thickness
Curing/Drying Oven	L6000*W3000*H3400, heating chamber utilizes electric heating
Spray Booth Dimensions	6000*1800*3200 (Galvanized steel spray booth + filter cartridge dust removal equipment)
Baking Room Environmental Protection Equipment	Uses an activated carbon adsorption box and a 3 kW fan

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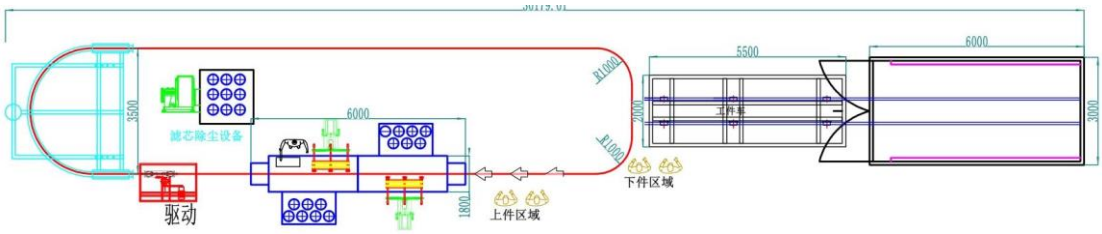

Resource Consumption Reduction: The maskless two-tone coating technology eliminates the traditional tape masking step, reducing plastic waste generation. Concurrently, the centralized paint supply system automatically controls viscosity, preventing paint waste.

Cost Reduction through Intelligent Operation and Maintenance (O&M): Equipped with a predictive maintenance system, the line analyzes equipment operating data to pre-warn of faults, reducing unplanned downtime by 60%. This fully meets the bulk supply requirements of major automotive manufacturers.

Zero Emission Waste Gas Treatment: Equipped with a Regenerative Thermal Oxidizer (RTO) device, Volatile Organic Compounds (VOCs) generated during the spraying process are collected, oxidized, and treated. The resulting emission concentration is far below national environmental standards. The recovered heat from the treatment process can be recycled, reducing energy consumption by 25%.

SHENGTAI