

## Powder Coating Equipment

### Product Brochure

MUSI Technology - Spray Coating Specialist

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## Product Overview

MUSI powder coating equipment portfolio covers the full powder coating process: electrostatic spray booths, gun systems, powder recovery and filtration, quick color-change booths, vertical long-part lines, and compact manual stations. We support epoxy, polyester, hybrid, polyurethane, and fluorocarbon powders across all common particle sizes.

### Capabilities

#### Spray Booths

Wall material: stainless steel, plastic-coated, or PTFE film for quick color change. Cross-draft or down-draft airflow.

#### Gun Systems

Corona electrostatic 60-100 kV, tribo-electric for difficult substrates. 2-24 guns per booth.

#### Powder Recovery

Cyclone first-stage ( $\geq 85\%$  efficiency) + cartridge filter second-stage ( $\geq 99.9\%$ ). Total recovery  $\geq 95\%$  ( $\geq 99\%$  with sieve).

#### Color Change

Standard 30-60 min; quick-change variant 5-15 min. PTFE-lined booth, quick-disconnect couplings.

#### Vertical Systems

For aluminum profiles, fence panels, rebar up to 8 m. 6-24 guns on vertical reciprocators.

#### Manual Stations

Compact 1.5x1.5x2 m booths with handheld electrostatic gun, 25-50 L powder hopper.

## Product Range and Options

### Standard Electrostatic Booth

General-purpose powder coating for medium-volume production. Hood-style or walk-in from 2x2x2.5 to 8x4x3 m.

### Quick Color-Change Booth

High-mix production needing 10-30 color changes per day. Antistatic PTFE film, automated cleaning sequence.

### Vertical Coating Line

Vertical conveyor for long workpieces 4-8 m. Aluminum profiles, fence panels, architectural elements.

### Recovery and Filtration System

Modular recovery unit for retrofit upgrade of existing powder booths. Cyclone + cartridge.

### Manual Powder Station

Compact booth + handheld gun for prototype, sample, and small-batch work.

## Typical Applications

- General industrial coating: hardware, fasteners, appliances
- Automotive wheel hubs, brake calipers, suspension parts
- Aluminum window frames, fence panels, curtain walls
- Office furniture, garden furniture, gym equipment
- Architectural elements: lamp posts, railings, light fixtures
- EV battery pack housings and electrical cabinets

## Performance Specifications

Standard configuration ranges. Custom designs available on request:

Parameter	Range / Value
Gun type	Corona electrostatic gun, 60-100 kV adjustable
Number of guns	2 - 24 per booth, configurable
Booth dimensions	2x2x2.5 to 8x4x3 m (custom)
Powder recovery rate	>=95% (>=99% with sieve)
Cyclone efficiency	>=85% first-stage
Cartridge filter area	50 - 200 sqm
Color change time	5-15 min (quick) / 30-60 min (standard)
Daily color changes	2-5 standard, 10-30 quick
Powder types	Epoxy, polyester, hybrid, fluorocarbon, polyurethane
Curing temperature	160-200 deg C standard, 220 deg C for fluorocarbon
Compressed air	0.4-0.6 MPa, 0.5-3 m <sup>3</sup> /min per gun
Power consumption	5-30 kW depending on configuration

# Why Choose MUSI

## Specialist in Powder Coating

Hundreds of powder lines delivered across appliance, automotive, and architectural sectors.

## Recovery Engineered for Material Cost

Cyclone + cartridge design recovers >=99% of powder when paired with sieving.

## Multi-Color Production Ready

Quick color-change booth designs proven in factories running 12-30 colors per day.

# About MUSI Technology

Changzhou MUSI Environmental Technology Co., Ltd. is a leading Chinese manufacturer of industrial spray coating equipment with many years of dedicated experience serving global manufacturers. We design, engineer, manufacture and install complete coating production lines for automotive, home appliance, metal hardware, furniture, heavy machinery, aluminum profile, and energy storage industries.

Indicator	Value
Manufacturing Facility	28,000 sqm modern plant in Changzhou
Employees	200+ engineers, technicians, and skilled workers
Quality Systems	ISO 9001 / ISO 14001 / ISO 45001 certified
Intellectual Property	18 corporate certifications, 12 invention patents, 64 utility patents
Global Reach	36+ countries served, 500+ active clients
Lines Delivered	800+ complete coating production lines
R&D Investment	8% of annual revenue reinvested in R&D

# Contact MUSI Technology

For inquiries, technical questions, or to request a custom quotation, please contact our sales engineering team:

Channel	Details
Sales Email	lin@coating-spray.com
Phone (Sales)	+86 181 5173 1332
WhatsApp	+86 181 5173 1332
Website	https://coating-spray.com
Headquarters	Wujin Industrial Park, Changzhou City, Jiangsu Province, China
Business Hours	Monday-Saturday 08:30-18:00 (GMT+8)
Response Time	Sales inquiries within 24 hours, technical proposals within 5-7 business days

## How We Engage

### Step 1 - Discovery

Share workpiece specifications, target throughput, color count, facility layout, and budget. Engineers respond with technical questions within 24 hours.

### Step 2 - Process Simulation

We model your line in 3D, simulate cycle time and energy consumption, and provide a baseline ROI analysis.

### Step 3 - Proposal and Quotation

Detailed technical proposal with layout drawings, equipment list, payment terms, and delivery schedule.

### Step 4 - Manufacturing

Custom fabrication in our 28,000 sqm facility under ISO 9001 QMS. Progress photos shared via customer portal.

### Step 5 - Factory Acceptance Test

You witness or remotely observe pre-shipment testing.

### Step 6 - Site Installation

MUSI engineers travel to your site for installation, commissioning, and operator training.

### Step 7 - Aftersales Support

Warranty support, remote diagnostics, preventive maintenance, and spare parts supply via our global network.