

Liquid Spray Equipment

Product Brochure

MUSI Technology - Spray Coating Specialist

Document Reference: MUSI-BR-LIQ-001

Issue Date: 2026

| | |
|---------------------|---|
| Manufacturer | Changzhou MUSI Environmental Technology Co., Ltd. |
| Phone | +86 181 5173 1332 |
| Email | lin@coating-spray.com |
| WhatsApp | +86 181 5173 1332 |
| Address | Wujin Industrial Park, Changzhou City, Jiangsu, China |
| Website | https://coating-spray.com |

Product Overview

MUSI liquid spray equipment covers the full range of liquid coating technologies: water-based, solvent-based, two-component (2K) mixing, electrostatic liquid, and high-pressure airless. We engineer each system with the correct booth airflow, paint supply, atomization method, and curing setup for the chemistry and substrate.

Capabilities

Booth Types

Water-curtain, dry-filter, paint-stop, or combined. Cross-draft or down-draft. Climate-controlled options for water-based.

Atomization Methods

HVLP, conventional, electrostatic bell/disc, airless, air-assisted airless. Selection by viscosity and transfer efficiency target.

Paint Supply

Pressure pot, diaphragm pump, piston pump, gear pump. 2K static or dynamic mixer.

Climate Control

For water-based: 22-26 deg C, 60-75% RH controlled.

Explosion Protection

For solvent-based: ATEX Zone 1/2 certification.

Curing

Flash-off zone + IR pre-cure + convection oven. 60-180 deg C for liquid systems.

Product Range and Options

Water-Based Paint Spray Line

Low-VOC waterborne paint with controlled climate.

Solvent-Based Liquid Spray Line

Explosion-proof spray line for industrial enamel, primer, topcoat applications.

Airless High-Pressure Spray

Heavy-duty airless for marine, structural steel, anti-corrosion coatings. 200-300 bar pump.

Electrostatic Liquid Spray

Bell/disc rotary atomizers, $\geq 80\%$ transfer efficiency.

2K Mixing Spray Machine

Automatic 2-component mixing for polyurethane, epoxy, anti-corrosion. 1:1 to 100:1 ratio.

Typical Applications

- Automotive bumpers, body panels, exterior trim
- Industrial enamel for machinery, equipment cabinets
- Marine and offshore structural steel coatings
- Architectural metalwork
- Decorative wood furniture (UV-cure or solvent-based)
- Pipeline and tank anti-corrosion lining

Performance Specifications

Standard configuration ranges. Custom designs available on request:

| Parameter | Range / Value |
|--------------------------|---|
| Conveyor speed | 1-10 m/min variable |
| Booth airflow | 0.4-0.6 m/s face velocity (down-draft) |
| Booth temperature | 22-26 deg C controlled (water-based) |
| Booth humidity | 60-75% RH controlled (water-based) |
| VOC emission | less than 5 g/m ² (water-based), 50-150 g/m ² (solvent) |
| Spray gun options | HVLP / conventional / airless / electrostatic |
| Number of spray stations | 2 - 10 configurable |
| Transfer efficiency | 55-90% (depends on gun type) |
| Drying temperature | 60-180 deg C, multi-zone |
| Explosion protection | ATEX Zone 1/2 for solvent systems |

Why Choose MUSI

Chemistry-Specific Engineering

Booth, supply system, and curing sized for your specific paint - viscosity, solids, pot life, flash point.

Compliance Built-In

ATEX, NFPA, GB-China explosion-proof standards built into solvent systems.

Field-Proven Reliability

Hundreds of liquid spray lines in operation for automotive parts and machinery.

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.