

## Furniture Coating Cases

2024 Edition

MUSI Technology - Spray Coating Specialist

Document Reference: MUSI-CS-FUR-2024

Issue Date: 2026

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

## Industry Overview

Furniture coating covers office chairs, metal frames, wooden panels, and outdoor furniture - increasingly with stricter VOC regulations and color customization demand. MUSI delivered 16 furniture projects in 2024 across powder, water-based, UV-cure, and hybrid lines.

### Sector Snapshot

#### Market Drivers

E-commerce furniture growth, anti-UV outdoor demand, eco-label requirements in EU and US.

#### Coating Challenges

Mixed material (metal + wood), large geometry, anti-UV for outdoor.

#### Production Pattern

Furniture export factories run 1-2 shifts with 5-10 SKUs per day.

## Common Coating Challenges

### Mixed Material Handling

Metal frames and wooden panels need different coating systems.

### Large Workpiece

Table tops, sofa frames, bed bases are 1.5-2.5 m.

### Anti-UV Outdoor

Garden and balcony furniture exposed to UV.

### Aesthetic Surface

Designer furniture demands texture options.

### Eco-Compliance

EU and US markets demand low-VOC water-based or UV-cure systems.

## Selected Case Studies - 2024

### Office Chair Frame Powder Line

Field	Detail
Client Type	Office chair manufacturer
Region	China
Scale	600 sets per day
Equipment Delivered	Power-and-free conveyor, 5-stage pretreat, polyester powder, IR + convection oven
Key Results	600 sets daily, 5-color portfolio, 99% first-pass yield
Status	Operating since 2024

### Metal Table Base 2-Coat Hybrid System

Field	Detail
Client Type	Restaurant furniture OEM
Region	Egypt
Scale	400 bases per day
Equipment Delivered	Sandblast + epoxy primer + polyester topcoat + cure oven
Key Results	Restaurant-grade durability, salt spray 600h, scratch resistant
Status	Operating since 2024

### Outdoor Furniture Anti-UV + Anti-Corrosion

Field	Detail
Client Type	Garden furniture exporter
Region	Egypt
Scale	600 sets per day
Equipment Delivered	Hook conveyor, anti-UV polyester powder, 200 deg C cure
Key Results	5-year outdoor warranty, color retention >=90% after 3-year exposure
Status	Operating since 2023

**Wooden Panel UV Finish Line**

Field	Detail
Client Type	Kitchen cabinet manufacturer
Region	Vietnam
Scale	500 sqm panels per shift
Equipment Delivered	Flat panel conveyor, UV-cure spray + UV lamp tunnel, 8-second cure
Key Results	8-sec cure verified, hardness 3H, no VOC emission
Status	Operating since 2024

**Bunk Bed Frame Pretreatment + Epoxy**

Field	Detail
Client Type	Bedroom furniture OEM
Region	Mexico
Scale	200 frames per day
Equipment Delivered	5-stage spray pretreat + epoxy powder + 180 deg C oven
Key Results	Anti-corrosion certified, scratch-resistant for child safety
Status	Operating since 2024

**Designer Furniture Multi-Color Quick-Change**

Field	Detail
Client Type	Premium designer furniture
Region	Germany / China
Scale	15 colors, 800 pcs/shift
Equipment Delivered	Quick-change powder booth (15 colors), metallic and matte finishes
Key Results	Premium-grade finish, 10-minute color change, 15 color portfolio
Status	Operating since 2024

## Benefits Delivered to Clients

### Eco-Compliance

Water-based and UV-cure options meeting EU and US eco-labels.

### Outdoor Durability

Anti-UV systems certified for 5-year outdoor warranty.

### Mixed Material Capability

Hybrid lines handling metal + wood.

### Designer Finish Options

15+ colors, matte/gloss/metallic on same line.

### Large Workpiece Handling

Wide booths up to 3 m.

### Aftersales

Trained service partners in major furniture export hubs.

## Industry Key Metrics

Metric	2024 Performance Average
Projects delivered	16 furniture projects
Average daily output	200-800 units
Color count per line	5-15 colors
Outdoor warranty	5 years typical
VOC emission (water-based)	less than 5 g/m <sup>2</sup>
Cure time (UV)	5-10 seconds
Customer satisfaction	4.7 / 5.0
Geographic coverage	8 countries

# 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.