

Sandblasting and Shot Peening Systems

Product Brochure

MUSI Technology - Spray Coating Specialist

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Product Overview

MUSI sandblasting and shot peening equipment provides complete surface preparation solutions for coating, deburring, descaling, and surface conditioning. Our portfolio covers all common workpiece geometries - small parts in tumble belts, fragile parts on hooks, sheets and structural members on roller conveyors, and custom parts in manual cabinets.

Capabilities

Rotary Table Machine

Indexing table 800-2500 mm for batch finishing of round/symmetric parts.

Hook-Type Blaster

Overhead hook for fragile, hollow, or complex-shape parts up to 3,000 kg.

Tumble Belt Machine

Continuous tumbling for bulk small parts: fasteners, springs, castings.

Roller Conveyor Line

Pass-through line for steel plates, structural beams, pipes up to 3,000 mm width.

Manual Cabinet

Operator-controlled with viewing window and gloves for spot finishing.

Abrasive Systems

Steel shot/grit, garnet, glass bead, aluminum oxide, plastic media. Recovery $\geq 98\%$.

Product Range and Options

Steel Shot (S110-S660)

For heavy-duty cleaning and shot peening of steel parts. Hardness 40-50 HRC.

Steel Grit (GL/GP)

Angular grit for aggressive cleaning, deeper profile. Used for paint preparation.

Garnet

Mineral abrasive for non-ferrous and stainless steel. No iron contamination.

Glass Bead

Gentle finishing for aesthetic surfaces, deburring without dimensional change.

Aluminum Oxide

Aggressive cutting on aluminum, hard plastics, ceramics.

Plastic Media

Selective stripping of paint without damaging substrate.

Typical Applications

- Surface preparation before painting / powder coating
- Shot peening for fatigue life improvement (springs, gears, shafts)
- Descaling and rust removal from structural steel
- Deburring of cast and machined parts
- Aesthetic finishing for stainless steel, aluminum
- Selective paint stripping for refurbishment

Performance Specifications

Standard configuration ranges. Custom designs available on request:

Parameter	Range / Value
Rotary table diameter	800 - 2,500 mm
Hook type load	500 - 3,000 kg
Tumble belt drum	100 - 1,500 kg per batch
Roller conveyor width	600 - 3,000 mm
Manual cabinet	800x600x600 to 2000x1500x1500 mm
Blast wheel power	7.5 - 30 kW per wheel
Number of wheels	2 - 16 depending on machine
Abrasive throughput	100 - 300 kg/min per wheel
Compressed air (cabinets)	0.4-0.8 MPa, 0.5-10 m ³ /min
Cleaning grade	Sa 2.5 - Sa 3 (ISO 8501)
Abrasive recovery	>=98% (steel) / >=85% (mineral)
Dust extraction	Integrated bag/cartridge filter

Why Choose MUSI

Wide Equipment Range

Whatever your workpiece - small or large, single or batch - we have the right machine geometry.

Proven Wheel Reliability

Heavy-duty blast wheels with abrasion-resistant liners, balanced for long bearing life.

Abrasive Recovery Engineered

Closed-loop recovery with magnetic separation, screening, and dust extraction.

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.