STRONG3000

TECHNICAL DATA SHEET

Product Data Sheet · Revision: November 2026

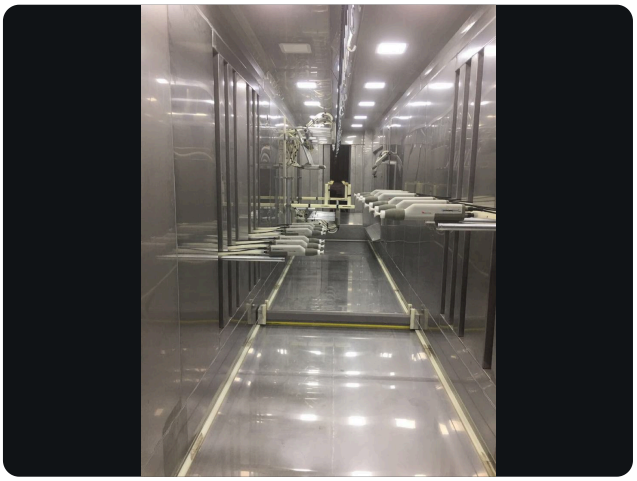
POWDER ENAMEL

Powder Enamel Booths

From oven cavities to burner caps, flat parts and stove pipes — our powder enamel booths are engineered to the part geometry, with materials resistant to abrasive enamel powder and efficient recovery.

Open online

strong3000.com/en/products/powder-enamel-booths/



KEY FIGURES

Booth types	Body	Application	Recovery
Cavity / burner cap / flat part / pipe / stove	**Stainless — resistant to abrasive enamel powder**	**OWL & automatic enamel guns**	**Sieving integration suited to enamel**

OVERVIEW

A Booth Built for Every Part Geometry.

Powder enamel application demands a different booth architecture for each part: internal surface access for oven cavities, serial cycles for burner caps, axial coating for pipes, and line-type flow for flat parts and stove bodies.

With stainless construction suited to the abrasiveness of enamel powder, OWL and automatic gun integration, and efficient recovery, every booth is engineered as part of a STRONG3000 enamel line.



BOOTH TYPES

Booths in Our Powder Enamel Lines.

Booth systems built to suit the part in our turnkey powder enamel lines.



AUTOMATIC · DEEP PARTS

Deep-Part (Cavity) Enameling System

An automatic powder enamel system for deep parts such as oven cavities. Parts pass through the booth on an overhead conveyor while automatic gun reciprocators apply the enamel.

- Application by automatic gun reciprocators
- Parts are carried on an overhead conveyor
- Operated from the control cabinet

Read about oven cavity enameling →

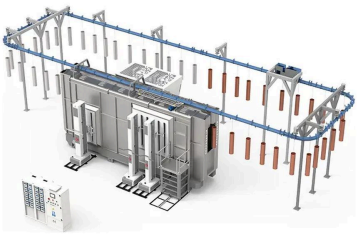


AUTOMATIC · FLAT SURFACES

Flat-Part Enameling System

An automatic powder enamel system for flat parts such as panels and sheets. The booth is sized to the part dimensions and line speed.

- Application with automatic guns
- Booth sized to the part dimensions



AUTOMATIC · INSIDE AND OUTSIDE

Pipe Interior and Exterior Enamel Coating System

A system that applies powder enamel to the inside and outside surfaces of pipes. The pipes hang vertically on the conveyor as they pass through the booth, and automatic gun reciprocators apply the enamel.

- Inside and outside surfaces in one system
- Pipes are carried hanging vertically on the conveyor
- Operator platform with stairs

Explore flue pipe solutions →



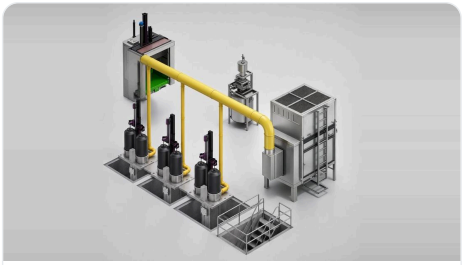
AUTOMATIC · ROTARY TABLE

Automatic Burner Cap Enameling Plant

An automatic powder enamel plant with a rotary table for cooktop burner caps. The caps are coated on the rotary table by automatic guns.

- Part feeding via rotary table
- Application with automatic guns
- Booth, guns and table in one body

Explore home appliance solutions →



AUTOMATIC · TANK INTERIOR

Boiler Inner-Tank Powder Enamel Plant

An automatic powder enamel plant for boiler and water heater tanks. The lance gun enters the tank through the bottom flange; excess powder is extracted from inside the tank and recovered.

- Two tanks are coated at the same time at each station
- Painting robots in a pit below floor level
- Extraction from inside the tank and powder recovery

Explore boiler solutions →

COLOR CENTER · 2, 3 OR 4 COLORS

Multi-Color Powder Enamel Booth System

A powder enamel system that applies more than one color in a single booth via a color center. The standard build has 4 colors; it can optionally be built for 2 or 3 colors.

- The color center switches between 4 colors
- Option: 2 or 3 colors
- All colors are applied in one booth

Explore turnkey powder enamel lines →

KEY BENEFITS

Booth Architecture Proven in Enamel.

Part-Specific Design
Dedicated architectures for cavities, burner caps, flat parts, pipes and stove bodies.

Wear-Resistant
Stainless construction suited to the abrasiveness of enamel powder.

OWL & Automation
Intelligent motion gun and robot integration.

Efficient Recovery
Sieving and recovery integration suited to enamel.

GALLERY

Take a Closer Look.










TECHNICAL SPECIFICATIONS

Powder Enamel Booths — Technical Specifications.

Values are typical ranges; final values are confirmed per project by STRONG3000 engineering.

Booth types	Cavity / burner cap / flat part / pipe / stove
Body	Stainless — resistant to abrasive enamel powder
Application	OWL & automatic enamel guns
Recovery	Sieving integration suited to enamel
Film control	Verification by micron measurement

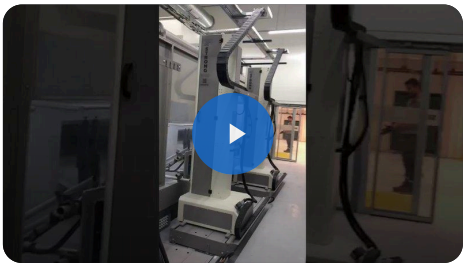
VIDEO

See It in Action.



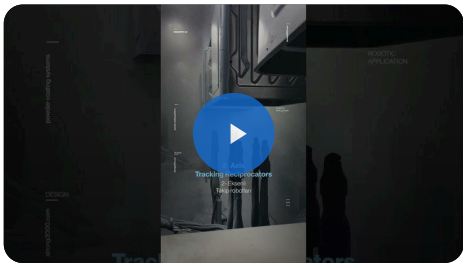
Powder Coating and Powder Enamel Systems by STRONG3000

Watch on YouTube ↗



STRONG3000 Powder Coating and Enamel System

Watch on YouTube ↗



Automatic Powder Enamel Cavity Coating Booth

Watch on YouTube ↗

WHY STRONG3000?

The Engineering Difference.

We don't sell equipment and walk away; we stay with your line from design through commissioning and beyond.

Integrated Engineering

Machinery, electrical, automation and software under one roof — not sourced and assembled.

In-House Technology

Smart AI and OWL are original STRONG3000 technologies developed in-house.

Proven Experience

25+ years of engineering; installation, commissioning and service in 40+ countries.

24/7 Support

Phone, remote connection and 24/7 live support via WhatsApp.

Quotes & Technical Consulting

Tell us about your part, capacity and process. A STRONG3000 engineer will get back to you with a tailored proposal.

Production Center	Ömerli Mah. Elektro 2000 Sanayi Sitesi B18 Blok, Tunaboyu Sk. No:1AZ, 34555 Arnavutköy / Istanbul, Türkiye
Phone	+90 212 438 56 94 · +90 534 037 98 10
E-mail	info@strong3000.com
24/7 WhatsApp	+90 537 353 54 19
Web	strong3000.com/en/products/powder-enamel-booths/

FOR A QUOTE, PREPARE

- Product to Be Coated
- Max. Part Dimensions
- Required Capacity
- Number of Colors
- Daily Color Changes
- Coating Process
- Project Timeline

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