STRONG3000

TECHNICAL DATA SHEET

Product Data Sheet · Revision: November 2026

BOOTHS & RECOVERY

Climate Room

The Climate Room brings the powder application area under temperature and humidity control — powder fluidity and charging behavior stabilize, and coating quality becomes independent of seasonal conditions.

Open online

strong3000.com/en/products/climate-room/



KEY FIGURES

Temperature	Relative humidity	Construction	Use
22 ± 2 °C	**%45 – 60**	**Insulated panels, filtered air supply**	**Powder application & powder storage areas**

OVERVIEW

Powder Is Sensitive to Ambient Conditions.

Fluctuations in humidity and temperature directly affect powder fluidity, chargeability and transfer efficiency. In an uncontrolled environment, the same recipe gives different results.

The STRONG3000 Climate Room keeps the application zone at stable conditions through panel construction, air conditioning and air circulation. It is planned as an integrated whole with the booth, guns and powder feed equipment.



KEY BENEFITS

The Same Quality in Every Season.

Stable Humidity & Temperature

Constant climate conditions in the application zone.

Repeatable Quality

Consistent film and appearance regardless of season.

Consistent Powder Behavior

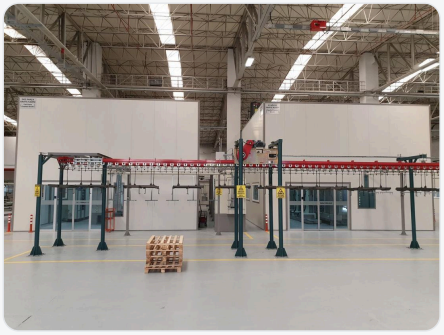
Stable fluidity and charging; fewer setting changes.

Clean Application Area

A controlled, insulated and well-lit working environment.

GALLERY

Take a Closer Look.






TECHNICAL SPECIFICATIONS

Climate Room — Technical Specifications.

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

Temperature	22 ± 2 °C
Relative humidity	%45 – 60
Construction	Insulated panels, filtered air supply
Use	Powder application & powder storage areas

THE WHOLE SYSTEM

Together with Booth, Guns and Powder Feeding.

The climate room is planned as one with the booth, guns and powder feeding equipment.

1

You are here

ENVIRONMENT

Climate Rooms

Temperature and humidity in the application area are held steady, so the powder behaves the same in every season.

2



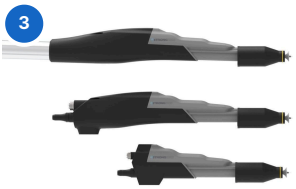
BOOTH

PVC Powder Coating Booths

Powder is applied to the part by automatic guns; powder that does not stick is recovered by the mono-cyclone.

Explore →

3



APPLICATION

Automatic Powder Coating Gun

Applies powder to the part repeatably in robot and line applications.

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MIXING AND FEEDING

Powder Centers

Recovered powder mixes with virgin powder in the hopper; the injectors deliver it to the guns through the hoses.

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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.

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FOR A QUOTE, PREPARE

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

Values are typical ranges; final values are confirmed per project by STRONG3000 engineering. This sheet summarises the product page on our website; scan the QR code for the latest information.