STRONG3000

TECHNICAL DATA SHEET

Product Data Sheet · Revision: November 2026

PRETREATMENT & WASHING

Hanger Cleaning System

The Hanger Cleaning System removes the layers of cured paint that build up on hangers — preserving electrostatic grounding continuity and reducing hanger-related coating defects and rework.

Open online
strong3000.com/en/products/hanger-cleaning-system/



KEY FIGURES

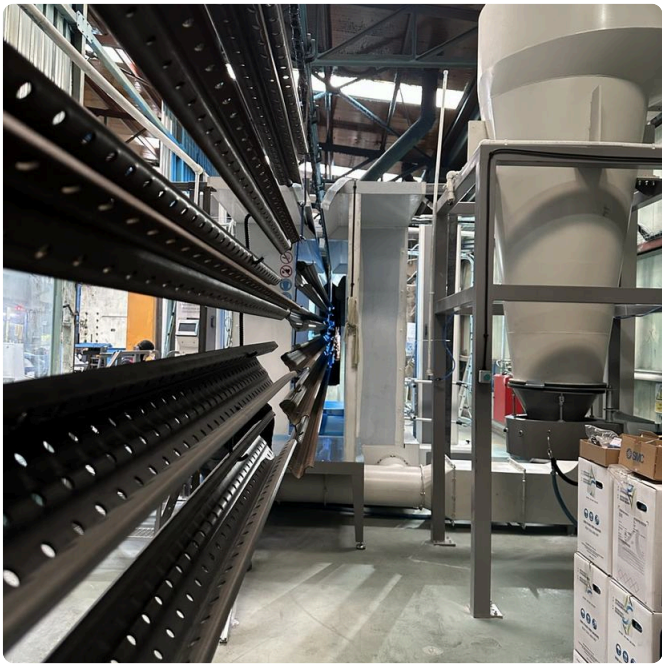
Task	Benefit	Integration	Capacity
Removing cured paint from hangers	**Target grounding resistance < 1 MΩ**	**Inline / offline in the hanger loop**	**Engineered to line speed**

OVERVIEW

Grounding Is the Foundation of the Coating.

In electrostatic powder application, the part is grounded through the hanger. The layer of cured paint that builds up on the hanger acts as an insulator; as grounding weakens, transfer efficiency drops, the Faraday effect increases and film thickness becomes inconsistent.

The STRONG3000 Hanger Cleaning System works integrated into the hanger loop, cleaning hangers at regular intervals. Clean hangers mean solid grounding, high first-pass quality and less rework.



KEY BENEFITS

Start Line Quality at the Hanger.

Grounding Continuity
Uninterrupted electrostatic grounding and stable charging with clean hangers.

First-Pass Quality
Hanger-related coating defects decrease; transfer efficiency is maintained.

Less Rework
Touch-up and recoating costs go down.

Line Integration
Installation compatible with your existing conveyor and hanger loop.

TECHNICAL SPECIFICATIONS

Hanger Cleaning System — Technical Specifications.

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

Task	Removing cured paint from hangers
Benefit	Target grounding resistance < 1 MΩ
Integration	Inline / offline in the hanger loop
Capacity	Engineered to line speed

THE WHOLE SYSTEM

Order of the Powder Coating Line.

Hangers carry the parts along the line and pass through the oven on every round; cleaning is part of this loop.



PRETREATMENT

Industrial Washing Systems
Oil, grease and swarf are removed by multi-stage spray washing; an optional phosphate / nano-ceramic stage is added.

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DRYING

Dry-off Oven
Water and moisture left on wet parts from pretreatment are driven off before coating (typically ~100–160 °C).

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POWDER APPLICATION

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

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CURING

Powder Coating Ovens

The powder melts, flows and cures hard at ~160–200 °C.

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HANGER LOOP

Hanger Cleaning System

Cured paint built up on the hangers is cleaned off, and the hangers return to the line with sound grounding.

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.