TECHNICAL DATA SHEET

Product Data Sheet · Revision: November 2026

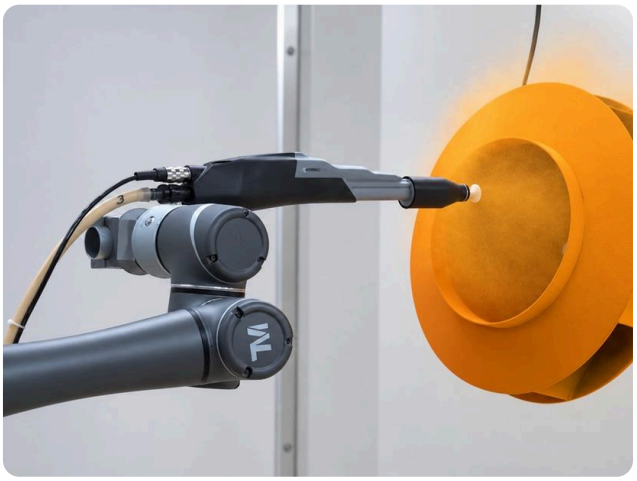
AUTOMATION & ROBOTICS

Robot Integration

Robot Integration mounts automatic guns on 6-axis industrial robots to coat parts with complex geometries — robot motion that orients the gun freely, integrated with Smart AI for precise, consistent coating on demanding parts.

Open online

strong3000.com/en/products/robot-integration/



KEY FIGURES

Number of Axes	Robot	Reach, Speed, Payload	Gun
6	**6-axis industrial robot selected per project**	**The catalog values of the selected robot model apply**	**STRONG3000 automatic powder coating guns**

OVERVIEW

6-Axis Robotic Freedom.

Robot Integration mounts guns on 6-axis industrial robots to position them at any angle and along any path; this freedom of motion lets complex and irregular geometries be coated consistently as well.

Integrated with the Smart AI control platform, it delivers adaptive, repeatable coating and completes the automation layer of a coordinated line.



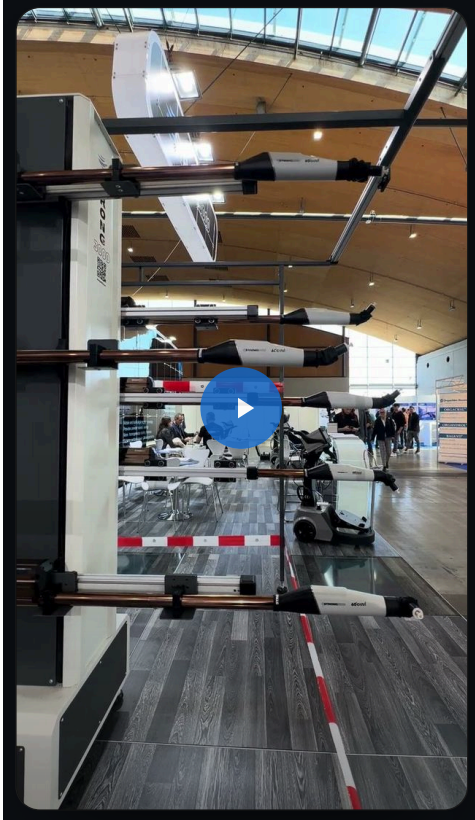
Automatic Powder Coating Robot

Watch on YouTube ↗

VIDEOS FROM THE FIELD

Watch the Axes in Motion.

Short videos from STRONG3000 robotic and multi-axis powder coating systems: see how the guns are positioned for the part and how the line runs.



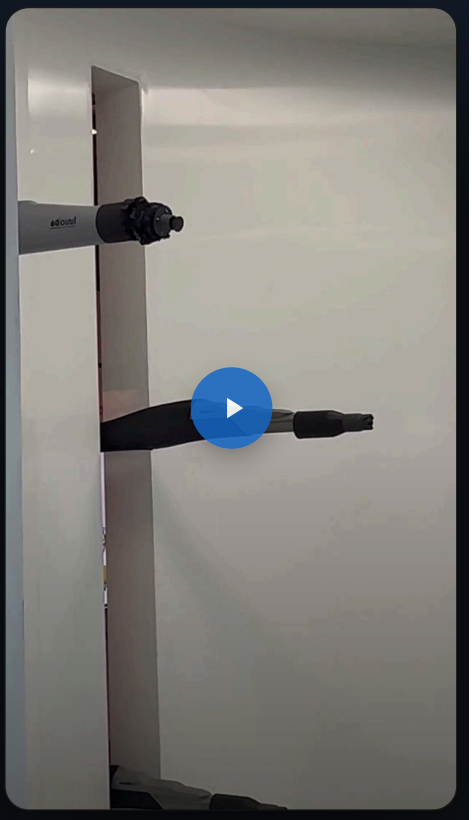
Multi-Axis Robotic Powder Coating System

Watch on YouTube ↗



Automation with a Linear Actuator

Watch on YouTube ↗



Automatic Application on the Line

Watch on YouTube ↗

KEY BENEFITS

Full Robotic Control.

6-Axis Robot

Orients the gun at every angle and path.

The Most Complex Geometry

Coats irregular and complex parts.

Smart AI Integration

Adaptive, repeatable robotic coating.

Consistent Quality

Precise, uniform coating on demanding parts.

TECHNICAL SPECIFICATIONS

Robot Integration — Technical Specifications.

Reach, speed, payload and repeatability are those of the robot model selected for the project.

Number of Axes	6
Robot	6-axis industrial robot selected per project
Reach, Speed, Payload	The catalog values of the selected robot model apply
Gun	STRONG3000 automatic powder coating guns
Control Integration	Smart AI
Cell Layout	Engineered to the part and line layout

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.