STRONG3000

TECHNICAL DATA SHEET

Product Data Sheet · Revision: November 2026

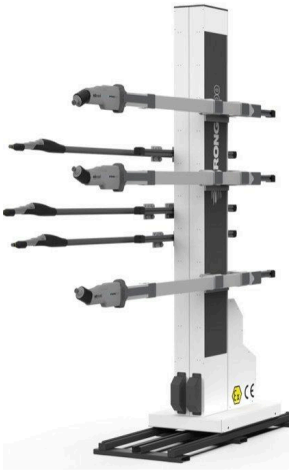
AUTOMATION & ROBOTICS

Acrobat Systems

Acrobat Systems move automatic guns into and out of recesses with an “acrobat” motion profile that combines in/out travel with a vertical stroke — delivering thorough powder coverage even in deep, recessed and shadowed areas.

Open online

strong3000.com/en/products/acrobat-system/



KEY FIGURES

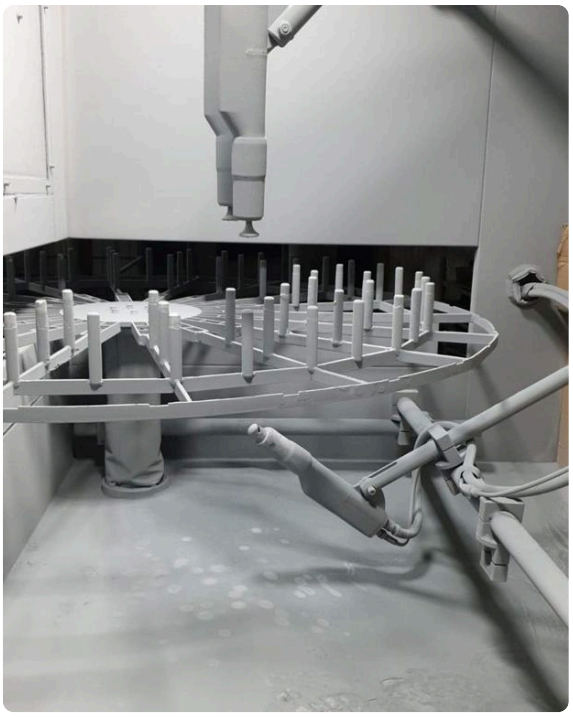
Task	Application	Integration	Control
Robotic motion for enamel application	**Stove, oven and enamel parts**	**Enamel booth & gun control sync**	**PLC + recipe-based profiles**

OVERVIEW

Acrobat Motion, Deep Coverage.

Acrobat Systems combine in/out motion synchronized with the vertical stroke to move the guns into and out of recessed surfaces; this coordinated acrobat motion delivers uniform coating in deep areas that standard reciprocators cannot reach.

Ideal for lines running recessed and deep parts, and pairs with Smart and Smart AI control as part of a coordinated line.



KEY BENEFITS

Deep Reach.

Acrobat Motion
Combines in/out + vertical motion.

Recess Access
Moves the guns into and out of recesses.

Deep Coverage
Uniform coating in shadowed areas.

Control Compatibility
Works with Smart and Smart AI control.

TECHNICAL SPECIFICATIONS

Acrobat Systems — Technical Specifications.

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

Task	Robotic motion for enamel application
Application	Stove, oven and enamel parts
Integration	Enamel booth & gun control sync
Control	PLC + recipe-based profiles

THE WHOLE SYSTEM

The Automation Family.

As part geometry gets more complex, the gun needs more freedom of movement. Acrobat combines in/out motion with the vertical stroke to move the guns into and out of recesses.

1



1 AXIS

Single-Axis Reciprocator
Vertical reciprocator, ideal for flat parts.

Explore →

2



2 AXES

Two-Axis Reciprocator
Vertical and in-out motion for even coats on profiled parts.

Explore →

3



3 AXES

Three-Axis Systems
Programmable gun motion on three axes.

Explore →

4



MOVING HEAD

OWL Intelligent Motion

World-patented moving head that reaches deep and complex parts.

Explore →

5

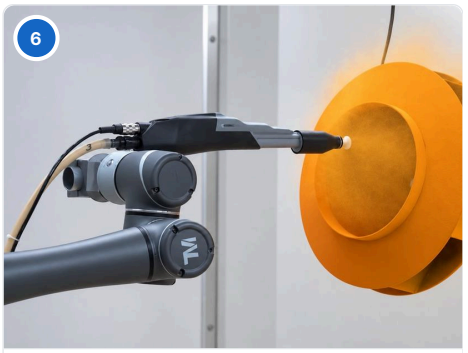
You are here

IN / OUT + VERTICAL

Acrobat Systems

A coating system combining inner, outer and vertical motion.

6



6 AXES

Robot Integration

Powder application fully integrated with industrial robots.

Explore →

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
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E-mail	info@strong3000.com
24/7 WhatsApp	+90 537 353 54 19
Web	strong3000.com/en/products/acrobat-system/

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.