STRONG3000

TECHNICAL DATA SHEET

Product Data Sheet · Revision: November 2026

POWDER MANAGEMENT

Powder Coating Injectors

Powder coating injectors deliver stable, repeatable powder output to the guns — venturi and dense-phase feed technologies engineered for consistent film build and low wear.

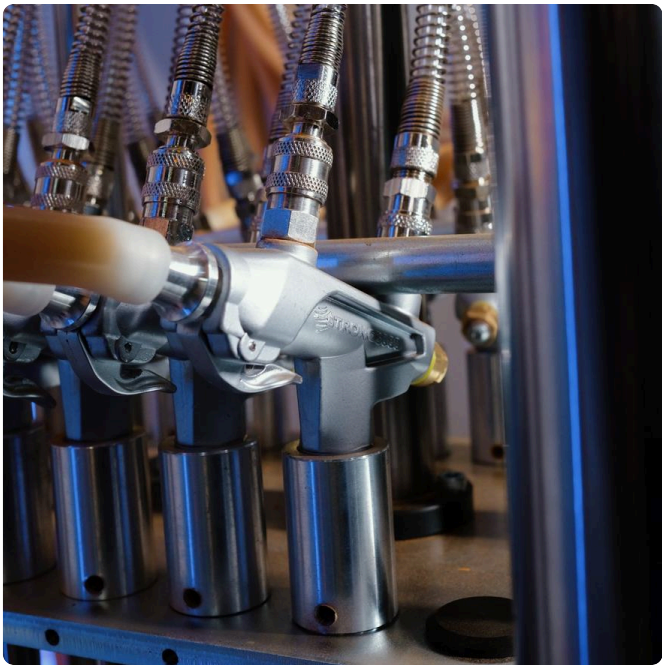
Open online

strong3000.com/en/products/powder-injectors/



KEY FIGURES

Operating principle	Powder flow rate	Conveying air	Wear parts
Venturi injector	**50 – 450 g/min**	**6 – 8 bar, dry & oil-free**	**Quick-change venturi & hose fitting**



OVERVIEW

Stable Powder Flow, All the Way to the Gun.

Powder coating injectors carry a stable, measurable powder rate from the hopper to the gun. Venturi and dense-phase feed options maintain consistent film build even across different line speeds.

A low-wear flow path extends service intervals and eases color change. They operate as part of a coordinated line with STRONG3000 guns, control units and the powder center.

KEY BENEFITS

Repeatable Application.

Stable Output

Steady, fluctuation-free powder flow to the guns.

Consistent Film Thickness

Repeatable coating and even finish.

Low Wear

Long service intervals and low spare-part cost.

System Compatible

Works with STRONG3000 guns and the powder center.

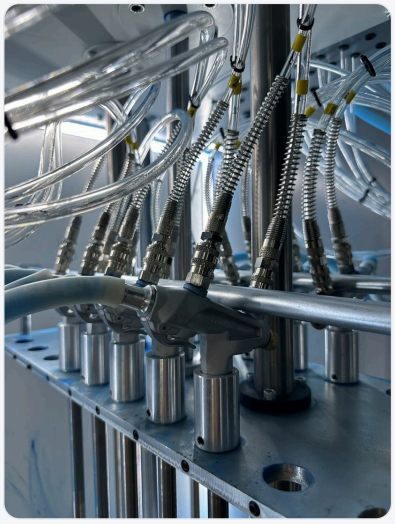
GALLERY

Take a Closer Look.









TECHNICAL SPECIFICATIONS

Powder Coating Injectors — Technical Specifications.

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

Operating principle	Venturi injector
Powder flow rate	50 – 450 g/min
Conveying air	6 – 8 bar, dry & oil-free
Wear parts	Quick-change venturi & hose fitting

THE WHOLE SYSTEM

The Powder Feed Chain.

The injector is the link that carries powder from the hopper to the gun. In both the recovery unit and the powder center, powder reaches the guns through injectors.

1



VIRGIN POWDER

BigBag Systems

Feeds virgin powder straight from the big-bag on high-consumption single-colour lines, with no frequent refilling stops.

Explore →

2



SIEVING AND MIXING

Recovery & Sieving Units

Recovers the powder coming from the booth, sieves it and cleans out foreign matter, then mixes it with virgin powder.

Explore →

3

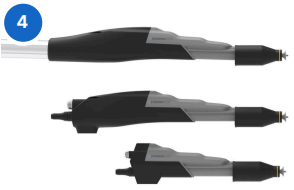
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FEEDING

Powder Coating Injectors

Delivers a stable, measurable powder flow to the guns with venturi or dense-phase feeding.

4



APPLICATION

Automatic Powder Coating Gun

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

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.

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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.