STRONG3000

TECHNICAL DATA SHEET

Product Data Sheet · Revision: November 2026

POWDER MANAGEMENT

BigBag Feeding Systems

BigBag feeding systems provide bulk powder feeding directly from the big bag for high-consumption, single-color lines — eliminating frequent refill stops and enabling uninterrupted production.

Open online

strong3000.com/en/products/bigbag-feeding-systems/



KEY FIGURES

Big bag capacity	Types	Discharge	Level control
500 – 1,500 kg	**Hoist type / box type**	**Vibration-assisted, flap-valve controlled**	**Sensor-controlled automatic feeding**

OVERVIEW

Bulk Powder Feeding for High-Consumption Lines.

On high-consumption lines running a single color, BigBag feeding systems transfer powder directly from large bags (big bags) to the line. The bulk feeding approach eliminates frequent box refills and manual filling, ensuring continuous flow.

Stable discharge and fluidized-bed-assisted transfer ensure smooth, uninterrupted powder feeding. It works as part of a coordinated line with the STRONG3000 powder center, transfer pumps and powder recovery equipment.



KEY BENEFITS

Continuous Production.

Bulk Feeding
High-volume powder feeding directly from the big bag.

Uninterrupted Operation
Continuous, steady production on single-color lines.

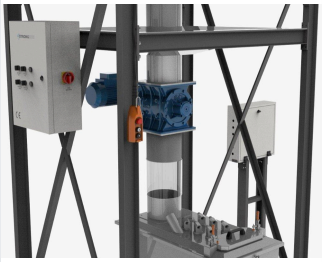
Reduced Downtime
Eliminates the need for frequent refilling.

System Compatible
Works with the STRONG3000 powder center and feed line.

GALLERY

Take a Closer Look.











TECHNICAL SPECIFICATIONS

BigBag Feeding Systems — Technical Specifications.

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

Big bag capacity	500 – 1,500 kg
Types	Hoist type / box type
Discharge	Vibration-assisted, flap-valve controlled
Level control	Sensor-controlled automatic feeding
Control	Line PLC integration

THE WHOLE SYSTEM

The Powder Feed Chain.

BigBag is where the feed chain starts: virgin powder comes from here, mixes with recovered powder and reaches the guns through the injectors.

1

You are here

VIRGIN POWDER

BigBag Systems

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

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



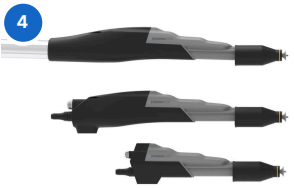
FEEDING

Powder Coating Injectors

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

Explore →

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.