TECHNICAL DATA SHEET

Product Data Sheet · Revision: November 2026

POWDER MANAGEMENT

Powder Center

The powder center is the central unit that feeds powder to the guns, available in two models. Base feeds powder, warns when powder runs low and is managed from a single screen. Pro also mixes powder returning from the cyclone with virgin powder and automatically cleans injectors, hoses and guns at color change; together with a PVC mono-cyclone booth it brings color changes down to minutes.



Open online

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

KEY FIGURES

Feeding the guns	Low-powder warning	Single-screen control	Virgin powder feedSuction lance from the box
✔Yes	✔Yes	✔Yes	—No

WHICH ONE FITS?

Start With Your Number of Colors.

Powder management covers two different needs: frequent color change and long runs in a single color. The right product follows from that question.

Running several colors a day?

Powder Center

For frequent, fast color changes: automatic purging, controlled feeding and management of powder returning from the cyclone.

Explore →

Single color or occasional color change?

Recovery & Sieving Units

For long runs in one color: sieves reclaimed powder, removes contaminants and mixes it with virgin powder before feeding it back to the guns.

Explore →

HOW IT WORKS

Two Models: Base and Pro.

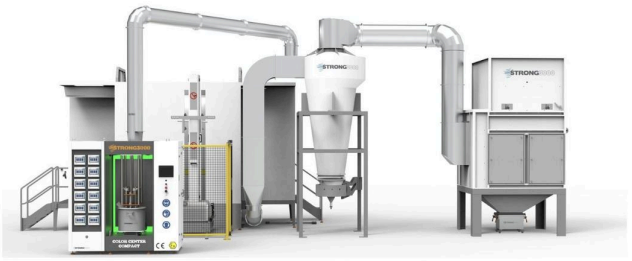
The powder center comes in two models. Base only feeds powder; Pro also mixes virgin and reclaimed powder and cleans automatically at color change.

POWDER CENTER BASE

A Simple Feeding Unit.

1. **Feeding the guns**
   Powder in the hopper is fed to the guns through the hoses by the injectors.
2. **Low-powder warning**
   When the powder in the hopper runs low, the system warns the operator so powder is topped up in time.
3. **Single-screen control**
   Feeding and gun settings are managed from a single screen.

Base has no virgin/reclaimed powder mixing and no automatic cleaning mode.





POWDER CENTER PRO

Virgin Powder, Reclaimed Powder, One Hopper.

1. **Virgin powder feed**
   Virgin powder is drawn from the box into the powder center hopper by a suction lance.
2. **Reclaimed powder**
   There is no hopper under the cyclone; the TP-2 transfer pump sends powder from the cyclone directly to the powder center hopper.
3. **Mixing and level control**
   Both powders mix in the hopper. The level sensor in the middle of the injector carrier monitors the powder level.
4. **Feeding the guns**
   Injectors deliver the mixed powder through the hoses to the guns.
5. **Automatic cleaning**
   At color change, injectors, hoses and guns are cleaned automatically with compressed air (see below).



AUTOMATIC CLEANING · PRO

What Happens at Color Change?

1 Hopper removed

A piston lifts the carrier holding the injectors and level sensor; the hopper is removed and cleaned.

2 Purging with air

The piston lowers, the tubes seat into their purge ports and clean compressed air purges the injectors, hoses and guns.

3 Cyclone and booth

The lower part of the cyclone is opened by pistons and cleaned; while the operator cleans the booth, airborne powder is drawn to the cyclone through the extraction points on the powder center.

10–15 min

Between similar colors

20–25 min

Between contrasting colors (e.g. white → black)

CONTROL

The Whole Line From One Screen.

The powder center, booth and gun control units are managed from a PLC touchscreen; color-change steps and gun recipes are followed from a single point.







STATUS LIGHTS

System Status at a Glance.

The light framing the powder center booth opening shows the current system status in color. Without checking the screen, the operator can see whether the line is running, on standby or needs attention.



Green: System Running

The system is running or ready to run. This light shows that all functions are operating normally and without faults.



White: Standby Mode

The system is not active, but there is no fault either. Suitable for preparation and checks.



Red: Emergency

An emergency has occurred: the system is shut off up to the air supply and safely stopped. Intervention is required.

POWDER ENAMEL

Color Kitchen for Powder Enamel

Our color kitchen and PVC booth solution for powder enamel lines, switching quickly between 4 colors, is in preparation. Talk to our engineers for early project information.

TECHNICAL SPECIFICATIONS

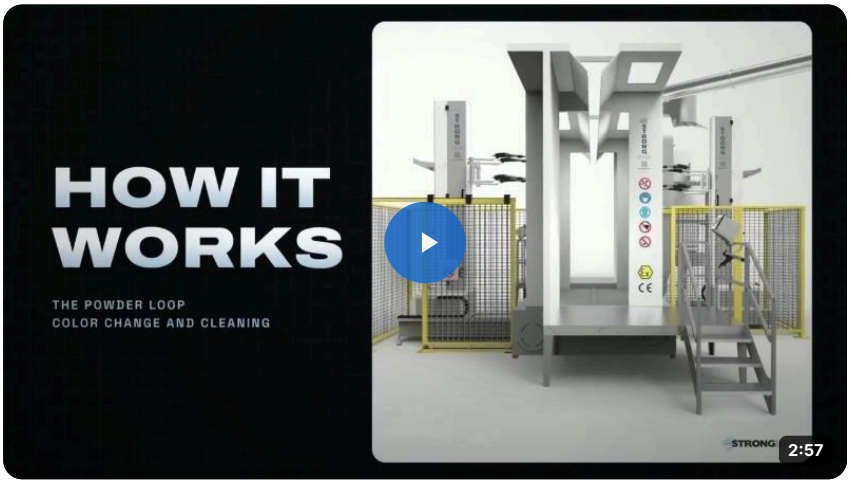
Base and Pro Compared.

The number of injectors and the hopper volume are engineered to the number of guns.

Feature	Base Feeding unit	Pro Mixing + automatic cleaning
Feeding the guns	✓	✓
Low-powder warning	✓	✓
Single-screen control	✓	✓
Virgin powder feed Suction lance from the box	—	✓
Reclaimed powder Straight from the cyclone to the hopper via TP-2	—	✓
Mixing virgin and reclaimed powder	—	✓
Level sensor On the injector carrier	—	✓
Automatic cleaning Piston carrier + compressed air; injectors, hoses and guns	—	✓
Color change	—	Similar colours 10–15 min Contrasting colours 20–25 min
Compatible booths	PVC mono-cyclone booths (integrated into the booth on the compact type)	

VIDEO

Watch the System.



PVC Monocyclone Powder Coating Booth — Fast Color Change & Powder Recovery

Watch on YouTube ↗

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.