STRONG3000

TECHNICAL DATA SHEET

Product Data Sheet · Revision: November 2026

BOOTHS & RECOVERY

Recovery & Sieving Units

Reclaims powder from under the booth, sieves it and removes contaminants, then mixes it with virgin powder and feeds it back to the guns through injectors. Cuts powder consumption on long single-color runs.

Open online

strong3000.com/en/products/powder-recovery-systems/



WHICH ONE FITS?

Start With Your Number of Colors.

These units are designed for long runs in one color. If you change color often, the powder center is the better choice.

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 →

UNITS

Two Levels, One Goal: Clean Powder.



ADVANCED

Ultrasonic Recovery Unit

Mini cyclone, ultrasonic sieve, magnet and a level-controlled mixing hopper in one unit. Mixes reclaimed powder with virgin powder from BigBag or other feed systems.

- Ultrasonic sieving
- Foreign metal separation with a cartridge-type magnet
- Level-controlled automatic feeding



BASIC

Vibrating Sieve Unit

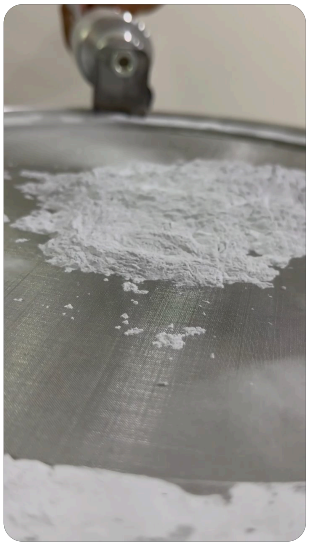
A simpler, economical solution: reclaimed powder passes through a vibrating sieve into the feed hopper. Suitable for small and medium single-color lines.

- Vibratory sieving
- Easy maintenance
- Compact footprint

HOW IT WORKS

The Powder's Path Through the Ultrasonic Unit.

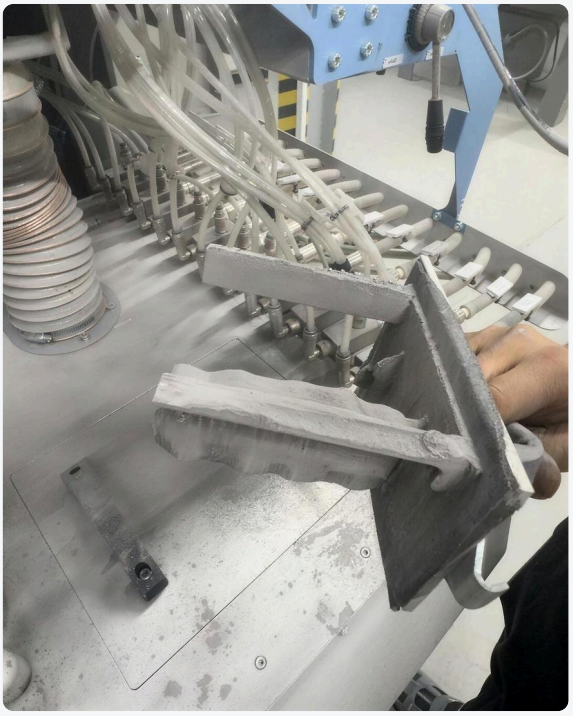
1. **Collection under the booth**
   Powder from under the booth is taken up to the mini cyclone on top of the unit.
2. **Ultrasonic sieving**
   Powder dropping from the cyclone passes through the ultrasonic sieve; agglomerates and coarse particles are removed.
3. **Magnet**
   The cartridge-type magnet between the sieve and the tank holds foreign metals in the powder; the cartridge can be pulled out.
4. **Mixing and level**
   Using the hopper's level sensor, reclaimed powder is mixed with virgin powder from BigBag or other feed systems.
5. **Feeding the guns**
   The mixed powder is sent back to the guns by the injectors.



Powder sieving on the ultrasonic sieve



Ultrasonic control unit



CARTRIDGE-TYPE MAGNET

Foreign Metals Are Caught Before Reaching the Tank.

The cartridge-type magnet between the sieve and the mixing tank holds foreign metal particles in the sieved powder and keeps them from passing into the tank.

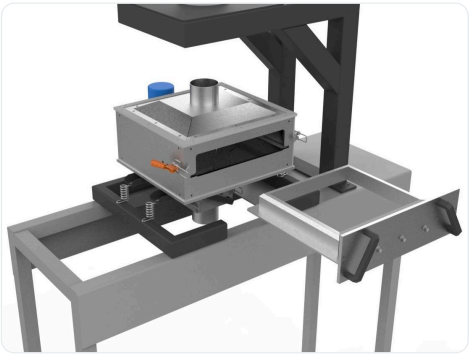
The magnet cartridge is pulled out of the unit; the metal particles collected on it are cleaned off and the cartridge is put back in place.

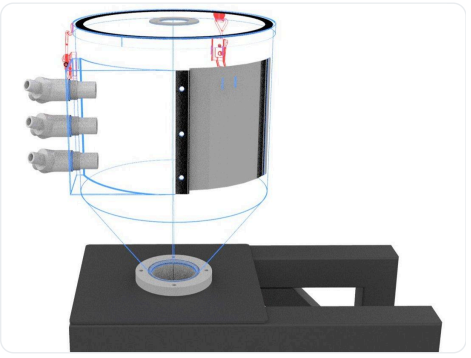
- Located between the sieve and the tank
- Holds foreign metals in the powder
- Pull-out cartridge design

GALLERY

Take a Closer Look.







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.