PRODUCT DATA SHEET

# Bulk Packaging Systems

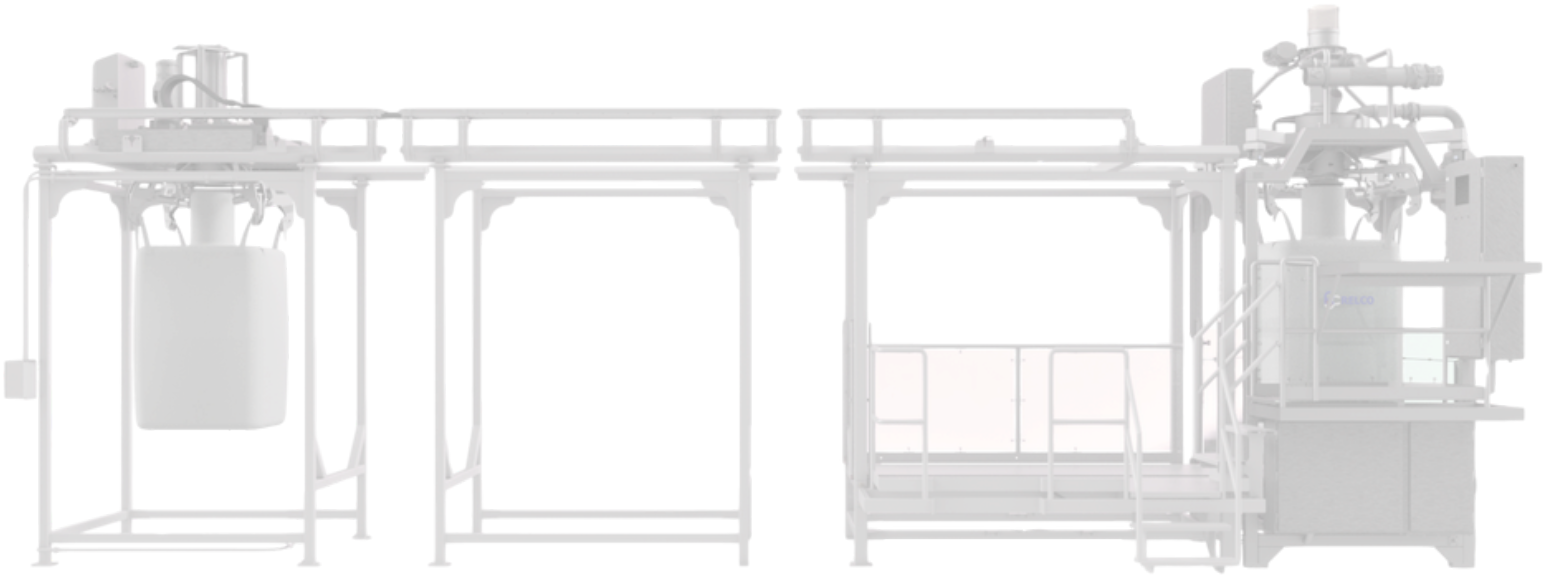
## 20-25 KG & Bulk Bagging

## Overview

RELCO's bulk packaging systems are designed to handle a wide range of powder packaging requirements, from manual 20–25 kg bagging to fully automated high-capacity systems and bulk bag filling.

Systems are engineered for flexibility and can be configured to support different plant requirements, product characteristics, and throughput demands. Whether standalone or integrated into a complete powder handling line, RELCO solutions focus on consistent fill accuracy, reliable operation, and clean, efficient material handling.

Packaging configurations include manual, semi-automated, and fully automated solutions for 20–25 kg bags, as well as bulk bag filling systems. System components can be selected and integrated based on application requirements, ensuring optimal performance across varying facility layouts and operating conditions.



## Key Features
### 20-25 KG Automated Packaging

- High-accuracy weighing and filling ensures consistent bag weights and minimizes product giveaway
- Designed for high-speed operation to meet large-scale production demands
- User-friendly control interface simplifies operation and reduces training time
- Stainless steel construction supports hygienic design and long-term durability
- Configurable for a variety of bag materials and formats
- Integrated sealing solutions maintain product quality during storage and transport
- Adjustable system settings allow adaptation to different product types
- Sensor-driven controls reduce spillage and improve material efficiency
- Built-in safety features support operator protection and compliance
- Compact footprint supports installation in constrained production areas
- Modular design enables simplified maintenance and reduced downtime
- Data connectivity supports process monitoring and plant integration

**Available Options:**
Nitrogen gassing · CIP / wet wash · Integrated sampling · Dry clean design

## Key Features
### 20-25 KG Manual Packaging

- Designed for sanitary applications with simplified operator interaction
- Lower headroom requirements for facility flexibility
- Durable stainless steel construction for corrosion resistance and long service life
- Integrated weighing system provides consistent fill accuracy
- Auger-based filling controls support repeatable, controlled product flow
- Air purge sealing reduces product leakage and enhances reliability
- Dust control connections help maintain a clean working environment
- Tool-free disassembly supports quick cleaning and maintenance
- Interchangeable filler head design accommodates different bag sizes
- Integrated conveyors support bag handling and operator ergonomics

**Available Options:**
Dust containment solutions · Downstream equipment integration (sealing, weighing, detection, conveying) · Magnet integration for product protection

## Key Features
### Bulk Bag Filling Systems

- Designed for efficient filling of large-format bulk bags across a range of capacities
- Configurable filling stations to suit product characteristics and throughput requirements
- Supports integration with upstream powder handling and downstream logistics systems
- Engineered for stable, accurate filling and consistent bulk density control
- Systems can be adapted based on facility layout, automation level, and operational preferences

# Integrated System Components

### Bulk Bag Unloading

Systems are configured based on application requirements, with solutions ranging from basic unloading stations to fully integrated, automated designs depending on plant needs.

### Bag Break Stations

Designed for safe and efficient manual product introduction, supporting dust control and operator safety while maintaining product integrity.

### Powder Transfer & Handling

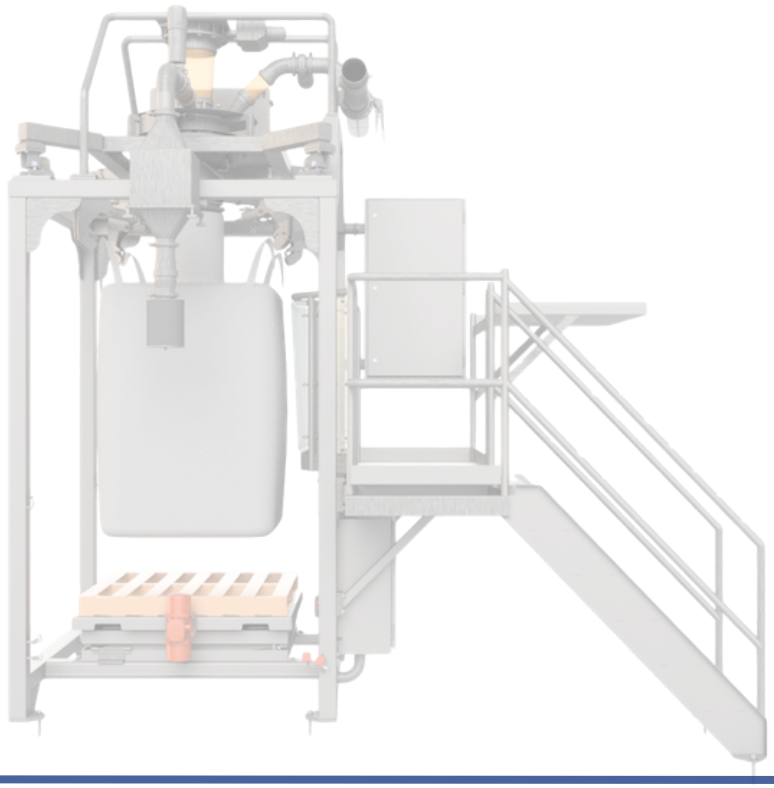
Integrated conveying and handling systems ensure smooth product flow between processing, storage, and packaging stages.

### Filling & Weighing Systems

RELCO systems are engineered for accuracy and consistency, with equipment selection based on application needs and operational requirements.

# System Flexibility

RELCO's bulk packaging solutions are designed to integrate with a range of industry-proven equipment and technologies. System configurations are selected based on project-specific requirements, ensuring the best fit for performance, cost, and operational goals without limiting design flexibility.



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