



We offer 30 years experience, having created a division specializing in processing and handling of solids, named Bulker. In order to respond the needs of different sectors of industry in bulk solids processing.

Bulker has technical service to support you during the startup and life of the equipment or installation in order to ensure its efficiency.

Bulker meets the requirements of European Directive ATEX 94/9/CE.

WE ARE MANUFACTURERS

Allowing us to meet the needs of each customer in a personalized way.

The finishes and equipment specifications are adapted according to the needs of the industry and the customer. Bulker offers solutions in solids treatments.

- . RECEPTION
- . DOSAGE
- . STORAGE
- . PROCESSES AND COMPLETE PLANTS.
- . CONVEYING

PILOT PLANT

The large amount of bulk solid materials and their different behavior depending on parameters such as particle size, % of moisture also require solid experience, industrial tests for a correct dimensioning of the installation. For this reason Bulker has a pilot plant located in Sabadell (Barcelona).



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BULK SOLIDS EQUIPMENT



WEB



CONTACT



RECEPTION

Bulker designs and manufactures standard and customized solutions as required.

In process industry, the production cycle starts with the reception of raw materials. In this case, granular or powdered solids.

Such materials are received in different formats such as bags, big bags or by silo truck.

Bulker has different equipment for the raw materials reception and their storage or delivery process.

- Bag dump stations
- Big bag dischargers
- Silo truck unloading system
- Bulk container unloading system



STORAGE

Storage for powder or granulated products, as raw materials or finished product, require silos or bins waiting for their transfer. Generally manufactured in stainless steel or aluminium.

Dimensions depend on production and quantity of product. These may include equipment such as filters bag, vent panels, weighing systems or level and air handling systems for products sensitive to moisture or temperature.

Depending on the type of product devices are needed to force the discharge. Such as bin activators, fluidized cones or mechanical agitators.



DOSAGE

Bulker offers different feeders depending on the production required.

Feeders may operate continuously or in batches. These are specially designed for powder or granulated products, adapting to different densities and particle sizes.

- . Volumetric feeders - volume per unit time, less precision.
- . Gravimetric feeders - weight per unit time, more precision
- . Micro feeders - High precision



PROCESSES

Bulker has different equipment to cover main processes:

- . Sieving
- . Drying
- . Cooling
- . Mixing
- . Milling
- . Crumbling



CONVEYING

MECHANICAL CONVEYING

Mechanical conveying uses devices such as bucket elevators, screw conveyors, conveyor belts. Its application is usually for low-value products, and is also a cheaper option.



PNEUMATIC CONVEYING

· DENSE PHASE ·

Dense phase is characterized by the high proportion of output with respect to the air. The conveying speed is low, preventing degradation, segregation of particles. This type of conveying is also highly recommended for abrasive products considering that the wear of pipe is much lower than in the dilute phase. Productions can reach 300T/h to distances over 500 meters.



· DILUTE PHASE ·

Characterized by displacement of particles through pipes at high speed with a large amount of low pressure air. It comes in two types: pressure and vacuum. Drive systems are effective to feed several points from the origin point, while vacuum systems are advantageous when we need to feed an item from different points.

