



Tecnologia em processamento
de pós, pastas e granulados

More than equipment,
we provide solutions

About the **Company**

Founded in 1990 Consolid has been building a success story in the machinery and equipment industry by offering complete and automated industrial solutions for the processing of powders, pastes and granulates.

Represented by clients in the most diverse segments, such as Alimentary, Chemical, Plastic, Pharmaceutical, Cosmetic, Hygiene and Cleaning Products, Paper and Cellulose, Civil Construction among others segments.

As the goal of being among the largest companies in the sector, Consolid has been developing and launching new products that make the industry routine easier.

Solutions ranging from the receipt of raw materials, storage, transportation, dosing, mixing, and milling, to bagging lines for bags and big bags are in the company's portfolio.

MISSION

Knowing the needs of our customers, we develop and offer intelligent and flexible industrial processes that are efficient, safe, quality and low cost which are reliable and high profitability, allowing us to grow in a sustainable way, ensuring the success and perpetuation of our business.

VISION

To consolidate as one of the market leaders in complete industrial processes, operating profitably and presenting levels of excellence at every projects and customer services.

VALUES

Focus on the customer | Creativity | Research | Ethics | Excellence
Employee recognition | Transparency
Respect for the environment

Our Solutions

Know the equipment and solutions custom-made developed to the needs and projects of the most diverse segments.



Complete Plants

Complete Industrial Plants - Turn Key

The industrial plant is the proposal of Consolid for companies that are looking for an integral, but simple, practical, standardized and low-cost solution for processing needs for powders, pastes, granulates and liquids.

With extensive experience in assembling these facilities in different segments of the industry, Consolid has synthesized standardized plants that incorporate the most varied solutions for the needs of the customers, ranging from the receipt of raw materials by way of package, big bags or bulk, through different stages of processing (storage, sieving, grinding, weighing, mixing, dosing, dosing of micro ingredients, incorporation of liquids and their homogenization) to the final packaging stage.

Application in Industries: Food, Chemical, Agricultural, Pharmaceutical, Civil Construction and others.



Alimentary and Dosage

Volumetric and Gravimetric Dosers



Equipment destined precise dosing of powders and granulates. Ideal for food, chemical, pharmaceutical and other industries. Uninterrupted or batch dosing. Made of carbon steel and stainless steel.

Solid Fat Doser



Developed for dosage of solid fats, butter and other high-consistency doughs, which need to be incorporated into mixing processes, such as: pre-mixes for cakes, chocolate masses, baking dough in general, etc.

Packaging

Big Bags Bagger



Excellent cost-effective equipment developed to be used in the bagging of several types of materials in powders and granulates such as refined salt, cassava starch, wheat flour, other mixes in packs of up to 2 Tons (Big Bags).

Endless Screw Packing Machine



Developed to be used in the bagging process of various types of powders and granulates in raffia, plastic, open mouth and paper valves, with varied valve sizes. The packaging capacity ranges from 10 to 60 kg.

Grinding and Granulating

Clods Breaker



Intended for breaking of clods usually be solid, moist, semi-humid or dry, very frequent in materials received in big bags or would sack. The reduction of clods suits the characteristics of the product in order to improve productive processes.

Hammer Mill



Robust equipment designed to ensure maximum productivity with low noise and vibration rates, low operation and maintenance costs and total safety. Suitable for food products, by-products, various grains, fertilizers, chemicals etc.



Mixing and Processing

Horizontal Intensive Mixer

They are ideal for mixing powders, pastes and granules in the following industries: Food, Chemical, Agricultural, Construction, Plastics and others.

The constructive design and spinning speed of the beaters provide intense and fast movements within the mixer, involving the product at a high level of fluidization to obtain high performance mixtures. They have capacities from 10 to 20,000 liters.

Optional: Mixing intensifiers, multiple blade type, tulip for agglomeration or particle deagglomeration | Injection system and internal liquid spraying | Heating or cooling jacket | Pneumatic sample collector.



Continuous Mixer



Continuous mixing of a powdered or granulated product with one or more liquids or without an addition of liquids; Automatic lines of production for extruded foods and other products whose base is the main product and adds a mix of ingredients + liquid (or not).

Mixer to Laboratory



Small, portable equipment, which is intended for use in laboratories, pilot scale product development, universities and research centers, among others. They faithfully reproduce working conditions.

Horizontal Blenders - Blenders or Ribbon Blenders



Ideal for mixing powders, pastes, and granules in the following industries: Food, Chemical, Agricultural, Construction, and Others. Constructed with streamers (Ribbon Blenders) or juxtaposed blades of flow against the flow.

Fluidized Zone Mixer



It is a double - axis mixer suitable for fast and homogeneous mixtures for raw materials of different shapes, weights, and granulometry. It admits the addition of liquids in high quantities, with a maximum capacity of dispersion in the mixture.

Y, V and Double Cone Mixers



Drum mixers are equipment intended for mixing by tumbling where the low level of mechanical action on the product is required without loss of efficiency in the mixing. The capacities range from 20 to 12,000 liters.

Vertical Silo Mixer



They are efficient, robust, practical and economical equipment making it ideal for mixing powders and granulates in different segments. Allows the bagging of the blended product and ensures a homogeneous blend in approximately 12 minutes.

Drum Mixer



Continuous mixer of rotary drum type, with adjustable speed and inclination, with an input of the raw materials by one end and exit of the ready-mix by the other. Mix the dosed solid ingredients also continuously.

Reactors



Designed to process materials of varied compositions. It has operating conditions under both pressure and vacuum with effective capacity for thermal exchange of heating or cooling. Ideal for processes that require acidic and/or basic reactions.



Transport and Handling

Vacuum Conveyor

Specially developed for transporting powders or granulates in the food, pharmaceutical, chemical and other industries.

The equipment carries the transport of solid particles mixed with air by pipes between two points, for example from storage to a processing machine. The material can be sucked from one or more collection points and collected at a receiving point.

System clean, quiet, safe and easy to hygiene.



Conveyor Thread



Conveyor threads are widely used equipment for the transportation and flow control of powders, granulates or solids, and can operate horizontally or on an inclined plane. Can be mounted on tubular frame or chute with removable covers.

Pneumatic Conveyor - Dense Phase / Dilute Phase



The heart of your system for lifting and transporting powders and granulates. Gravity-fed bag unloaders; silos; hoppers; or air filters transporting to feed silos; hoppers; mixers; gravimetric feeders; etc.

Flexible Helical Conveyor



Equipment for the transport of powders or grains. They are quiet, easy to clean and maintain and are available in various capacities and sizes. They are suitable for use from a small industry to large processing plants.

Freight elevator



Equipment designed to lift loads on pallets weighing up to 1 tonne and up to 4 meters in height. It is designed to facilitate vertical transportation in mixing plants to feed raw materials, but other applications are perfectly feasible.

Receiving and unpacking

Big Bags Discharger



Equipment for the unloading of big bags. Allows the handling of large volumes without the need for forklift trucks and allows to combine with process equipment like conveyor threads, dozers, skimmer, etc.

Sifting and Drying

Peneira Centrífuga



It has the function of sifting the product by swirling, effecting the separation without friction or pressure. The sieve basket can be fabricated or perforated steel sheets with the possibility of exchange without the need for special tools.

Vacuum Manipulator



System for lifting and handling of loads developed to facilitate the action of stacking and unpacking of bags, boxes and other items with a flat surface, within the norms of safety and ergonomics for the handling of these packages.

Storage

Storage and Process Silos



Versatile solutions for the handling of solid raw materials, the silos are made of stainless steel or carbon. They store large quantities of dry material (powders and grains) and avoid contamination of the work area during handling and storage.



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