

PROCESSING OF RAW MATERIALS AND FINISHED PRODUCTS

Solutions to prepare, protect and process raw materials and finished products.

Receiving and emptying sacks and big bag stations, dosing, weighing, mixing, grinding and packaging are an integral part of NEU-JKF Process solutions for all types of industries : food, chemical, mineral, compound... Process control of all equipment by PLCs and automated supervision allow recipe formulation, traceability and batch pedigree.



Sack and big Bag discharge of multi-ingredients



ATEX Bag filter in stainless steel



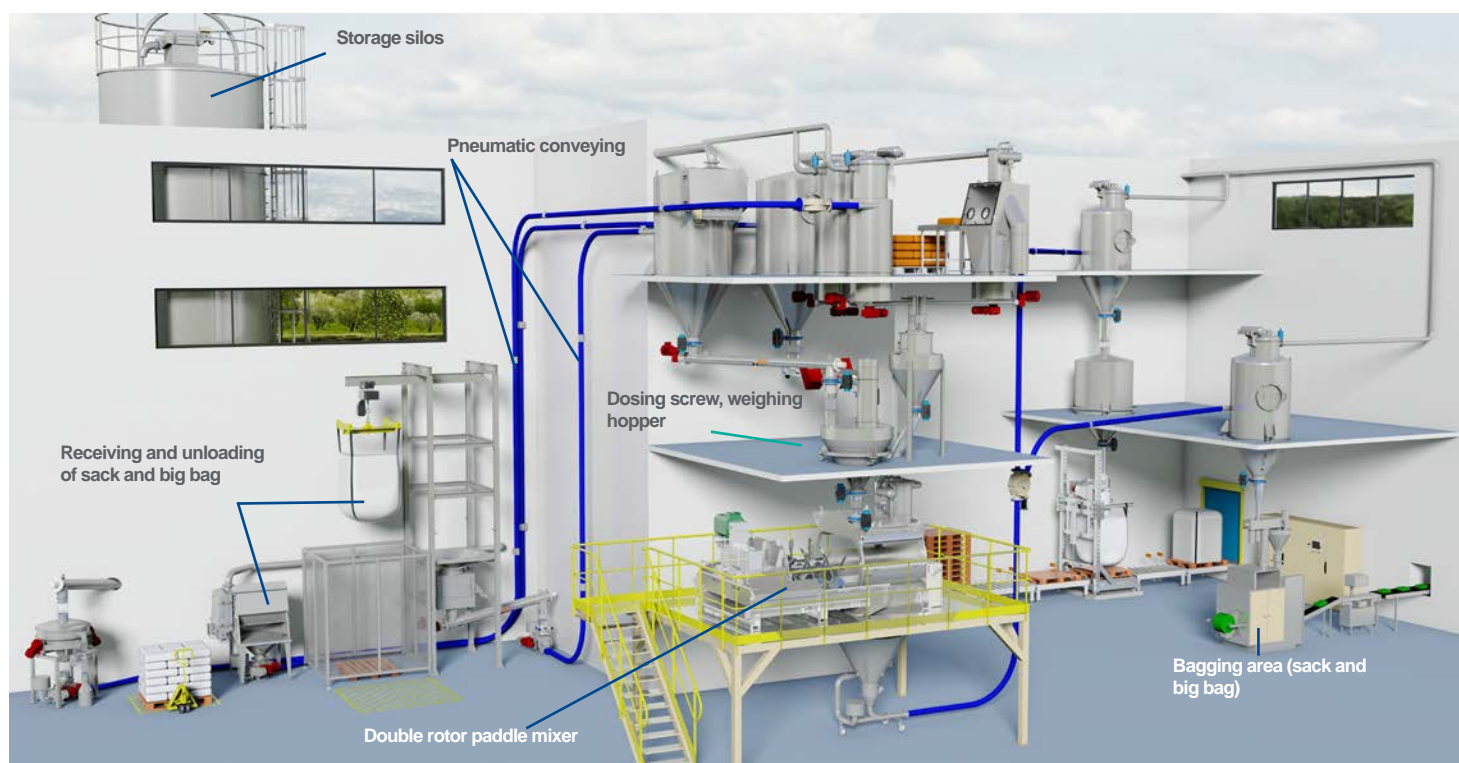
Storage silo



Sieving station for mixer feeding



TYPICAL DIAGRAM OF A COMPLETE INSTALLATION



APPLICATIONS

• INTAKE AND DISCHARGE

Tanker truck. Container and big bag unloading station. Sack tipping station Road single or double operator. Micro-ingredient suction station. Manual or automatic debagging.

• STORAGE

Hopper 0.5 to 20 m³. Silos to 500 m³. Protection against explosion, dehumidification. Storage control by level sensor or by weighing. Dust removal and filtration system.

• DOSING AND MIXING

Micro-ingredients preparation. Continuous dosing or per batch. Recipe formulation and traceability. High accuracy technology. Different batch or continuous mixing techniques: ribbon, plough, paddle.

• PROCESS CONNECTION

Powder dilution. Drying tower, fluidized bed. Reactor, extrusion. Packing, packaging.

HYGIENE SAFETY QUALITY

• EXPLOSION

Protection, detection, suppression. Containment. ATEX Zoning.

• HYGIENE

Prevention of contamination: flavour and colour. Dedicated systems and/or lines. Clean in place - Hygienic design.

No retention zone. Finishing of equipment: polishing, 316 stainless steel. Decontamination. Traceability of ingredients.

• SAFETY

Safe and clean environment for the operator.

PRODUCTS

• RAW MATERIALS

Flour, sugar, starch, coffee, milk powders, cocoa, polyester, EPS/ GPPS, PE, PP, PET, sodium carbonate, calcium carbonate, bentonite, glass microbeads...

• FINISHED PRODUCTS

Yoghurt, ice creams, desserts, biscuits, infant powders, beverages, confectionery, plastic film and bottle, cable, detergent, cleaning product...

SERVICES

- Automation and process control system, supervision and traceability.
- Erection, commissioning.

- Customer training.
- Service and after sales.