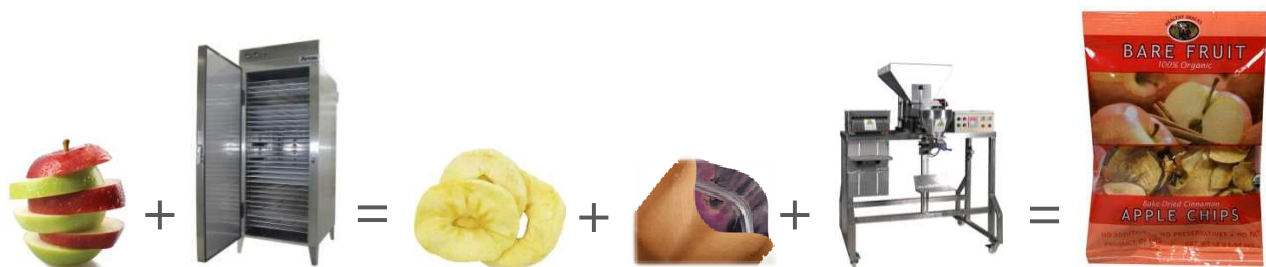


Knowledge and technology for dried fruits, vegetables and spices production

A business case study



Creating added value with fruits, vegetables and herbs

With this comprehensive food processing line fresh fruits, vegetables, herbs, mushrooms or fish can be processed into dried products and packed into flexible pouches that ensure long shelf-life in ambient temperature without any additives, colorants and preservatives. Intensive training courses held by technicians will provide first-hand knowledge, operation and maintenance of the processing line, food-safe processing and packaging methods. The final result is 100% natural, nutritious and attractively packed dried products.

All processing and packaging units are manufactured by leading European companies in the food industry and meet all European Economic Community (EEC) hygienic and safety standards. Advanced technologies guarantee food safety, easy operation and maintenance, durability and energy efficiency. The extremely solid and reliable technology is particularly suited for professional applications characterized by highly intensive 24/7 use in commercial environments. A team of 3-4 members can produce up to 50 kg finished and packed product per working cycle of 6-8 hours within 80 m² working space for processing, packaging and storage for raw and finished products.

Our semi-automatic packaging technology and pre-made flexible pouches of many sizes, functions and materials guarantee optimal product safety and quality, long shelf-life, attractive branding and marketability. The high-quality and energy-efficient diesel generator set completes the production line and ensures continuously reliable energy provision.

Fresh air dryer for various fresh products

Fresh products



This fresh air dryer provides drying solutions for fruits, vegetables, herbs, mushrooms, fish and flowers. It combines maximum drying area with minimum floor space and ensures excellent results of the end products. Its solid construction, powerful fan, even airflow and homogenous drying effects is particularly suited for commercial intensive use. The dryer provides a drying surface to 31 m² with only 3 m² floor space and 3-4 operators can produce 50 kg dried fruits per working cycle of 6-8 hours depending on the fresh product to be dried.

The result is 100% natural, nutritious, tasty and long conservable dried products. Entirely manufactured by a French leading company in the food processing sector, the complete equipment is based on 20 years of experience and advanced technology guaranteeing food safety, durability, easy operation and maintenance and low energy consumption.

Dried products



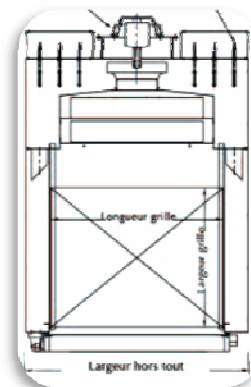
Front view



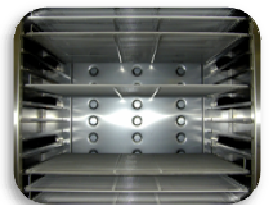
Back view



Top view



Interior view



Perfectly even air distribution guarantees excellent drying results

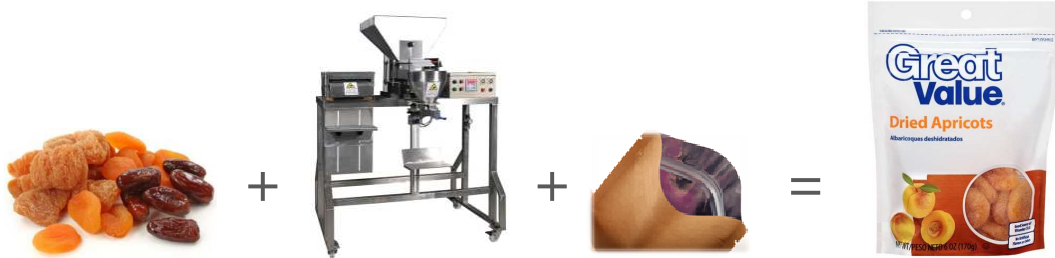
General description

- Cabinet piece "ready to connect"
- Simple skin 304 l stainless steel
- Electric heating stainless
- Breakdown by steel turbines
- Fresh air adjustable shutter with electric gear motor - electronic temperature
- control with digital display - mechanical humidistat "limitation drying" ensuring
- Closure of the fresh air flap
- Energy supply: 3 phase 380 V + N

Technical specifications

- Indicative capacity: 150 kg of fresh product
- Nominal production capacity of finished product: 50 kg per drying cycle of 6-8 h
- Maximum drying surface: 31 m²
- Max dehydrating power for T Delta 15 ° C: 8 l/h
- Max dehydrating power for T Delta 25 ° C: 16 l/h
- Ventilation rate: 4'000 m³/h
- Electrical heating: 36 kW
- Dimensions W/D/H: 130 / 256 / 252 cm
- Door passage: 100 / 188 cm
- Trolley: 1.2 x 0.8 x 1.8 m, max 32 levels of 50 mm
- Wires: max 64 - 800 x 600 mm

Semi-automatic dosing, filling and sealing unit for pre-made pouches



This semi-automatic packaging unit doses and fills the dried products into pre-made flexible pouches of many different materials, sizes and functions. The operator simply holds the empty pouch below the dispenser and seals the pouch with the integrated manual impulse sealer after automatic filling of the defined quantity.

This unit is manufactured by a leading Italian company in the food packaging sector since over 20 years. The solid technology is particularly suited for intensive operation and accurate weighing, filling and sealing results.

Technical specifications:

- Nominal capacity 8-10 bags / min
- built entirely in stainless steel AISI 304
- hopper and support structure
- two vibrating channels for high weighing accuracy
- digital display for programming the desired weight
- integrated manual impulse sealer
- power consumption 1 kW
- 220 V electrical operation 50/60 Hz



Pre-made flexible pouches

High-quality flexible pouches for dried products ensure optimal food safety, quality and long conservation in ambient temperature without any additives and refrigeration. A large variety of pouch materials, formats, functions and designs can perfectly be adapted to the product to be packed. Long shelf-life of the packed products, reduced production energy, decreased storage space, and lower transportation costs make flexible pouches an economical and environmentally responsible packaging solution

Stand-up pouch incl. reclosable zipper



Material:
PET/ALU/PE 12/8/70 µm
Size: 130 x 170 + 70 mm
Design: custom made
Print: 4 color flexo print

Flat pouch



Material:
PET/PE 12/50 µm
Size : 140 x 200 mm
Design: custom made
Print: 4 color flexo print

Energy-efficient diesel generator set

This reliable and high efficiency generator set combines high-quality materials and advanced technology. Its nominal power perfectly suits for the complete processing line and is designed to operate reliably in challenging applications and to have low life cycle costs.

This unit is manufactured by a leading Spanish company in the energy generation sector since over 65 years. Its technology is particularly suited for continuous operations with high energy reliability.

Specifications

- Nominal power 47 kVA
- Gen-set 50hz
- Continuous 1500 rpm
- Open set (without canopy)
- Deutz engine
- Air cooled
- Three phase 400V
- Remote-Manual panel
- Stand-by 47 kVA
- Continuous 40 kVA
- Weight 653 kg
- Dimensions L/W/H 1630/850/1150 mm
- Acoustic power 99 dB



We kindly invite you to contact us to learn more about our packaging and energy solutions for this processing line.