SNACK-BAR MANUFACTURING LINE

Snack-bar manufacturing line, the bars are made starting from a dough based on extruded cerals, dried fruits and legumes, spices etc. The whole line is composed by these elements:

- Product loading system with "troller": Product loading at the exit of the oven in order to carry
 the product on the hopper of the bar line
 - o Made of AISI 304
 - Loading level control
 - Fixed structure
- Nr. 8 60 liters troller for product loading: Entirely made of AISI 304
- <u>Snack-bar machine</u>: Multifunction machine that produces different sizes of snackbars, made of dried cereals or, by means of HMI panel recipe selections, you can easily start the production of bars extruded from different types of dough such as date, apricot, figs, etc

For both of the cases, the last operation is the trasversal cut. The actual dimension of the bar can be set from the HMI panel and the cutter is entirely made of AISI 304.

- <u>Cooling tunnel 6 mt:</u> Made for food cooling, the hot product is conveyed inside the tunnel where there is a convective forced air flow at a low temperature. The operational parameters can be edited from the operator panel.
 - o Made of AISI 304
 - o Polyurethane conveyor belt
 - Forced air cooling flow
 - o Pass-through product height 130/290 mm, belt width 180/250/320 mm
 - Cooling lenght 6 m
 - Volt 400 Hz 50 2,4 kW Threephase 5 poles



- Longitudinal cutter: Made of a series of circular cutter and a set of distance blocks that can be set according to the needed product lenght
 - System for half longitudinal cut: System to make half partial longitudinal cut at the moment of the bars production



Electric cabinet: All the electrical components are supplied such as sensors, valves etc. The management is done by central PLC and HMI operator panel. The machine is connected through Ethernet for the remote management as assistance or control of the process.



- <u>Trasversal ultrasound cutter:</u> It enalbes the machine to work on very sticky products and assure a very clean and precise cut.



- <u>Bar-loading on tray:</u> It enables to pick the bars from the trasnport to the exit of the cut group, put them on a tray 600x400 mm



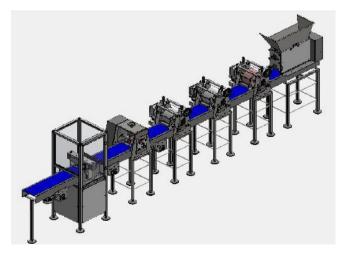










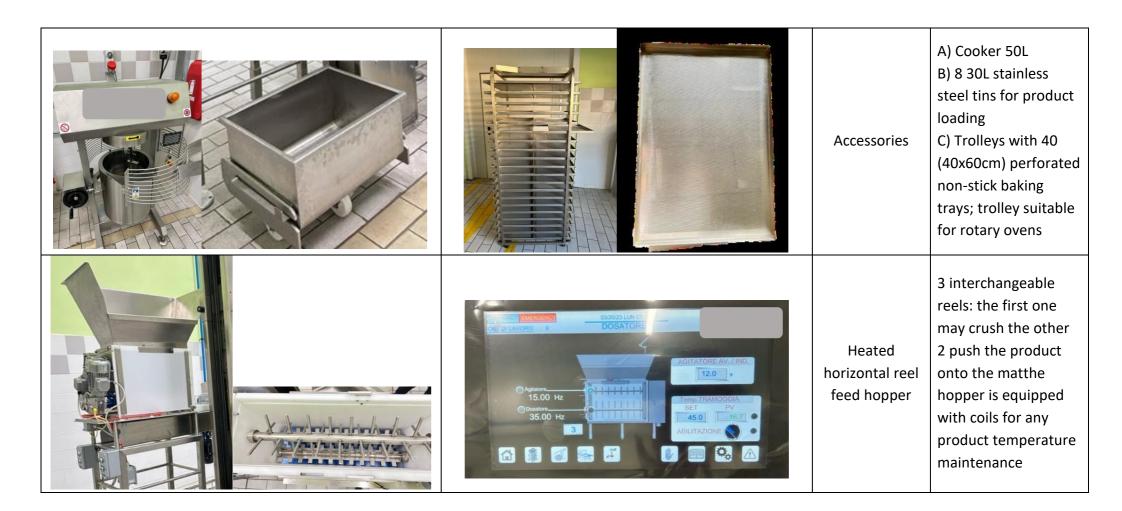


HORIZONTAL PACKAGING

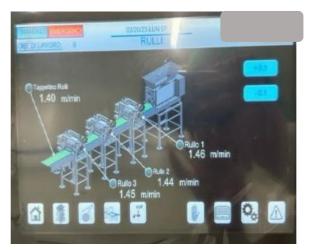
- Products: Fruit & cereals snack bars, net weight 30 g.
- <u>Dimension:</u> 33 h x 11 x 105 mm length , thickness from 5 to 20 mm x 56 x 28 mm / from 5 to 20 mm x 28 x 28
 - o Multipack cartonboard packaging 180 x 150 with max thickness 20 mm
 - o Multipack cartonboard packaging 150 x 140 with max thickness 20 mm
- Packaging Usable Film: Polypropilene gas coupled
- Packaging speed: Max speed 60/70 bpm, guaranteed speed with quality gas-coupled film max
 20/30 bpm
- <u>Characteristics:</u> Machine structure in RAL 7024 or AISI 304 (optional), belt inlet conveyor 2 meters, film reel shaft with max width of 600 mm, max diameter of 350, internal diameter 76 mm, CE marking







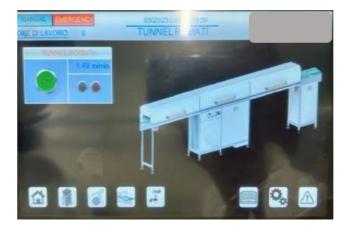




compacts the productThe 2nd roller compacts and adjusts the bar thicknessThe 3rd roller defines the bar thickness NOTE: The height of the rollers is adjustable on each one by means of a manual crank

the 1st roller





Cooling tunnel

6-metre tunnel brings the product to an ideal cutting temperature





longitudinal cutting blades

interchangeable
blades according to
bar size
NOTE: Using the
manual crank handle
it is possible to adjust
the depth of cut or
exclude the cutter
completely





longitudinal cut backup

backup for possible quick change of bar size NOTE: Using the manual crank handle, it is possible to adjust the depth of cut or exclude the cutter completely

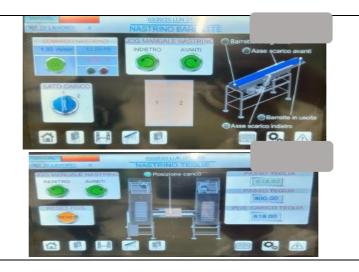




Ultrasonic cross-cutting blade

The ultrasonic cutter cuts vertically and moves horizontally to distance a block of n bars





Retractable mat for unloading onto a pan and organ that brings the pan into position for unloading

when the product arrives at the photocell, the pan has already been brought into position by the organ, the belt retracts to discharge the product onto the pan

