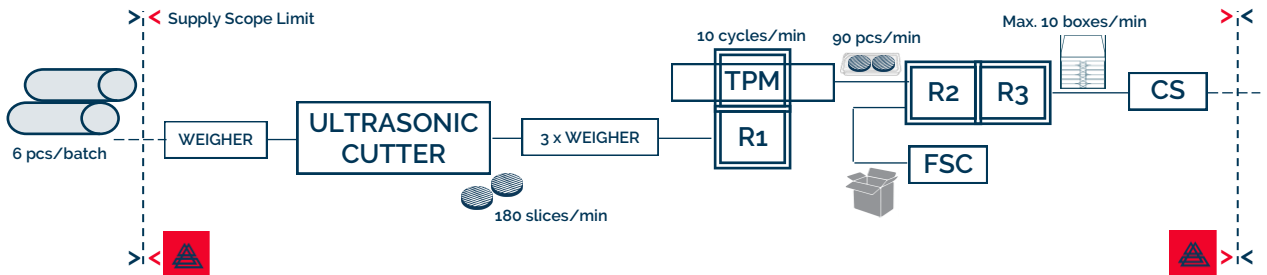




MEAT PRODUCTS

LINE FOR THE CUTTING, PUTTING INTO THERMOFORMED SHELLS AND SECONDARY PACKAGING INTO CARTON BOXES OF HAMBURGER-LIKE MEAT PRODUCTS

- ⇒ **OUTPUT CAPACITY:** 180 slices/minute
90 thermoformed vats/minute
10 carton boxes/minute
- ⇒ **VERSATILITY:** Cutting, primary packaging and secondary packaging in a compact, fully automated line
- ⇒ **HYGIENIC DESIGN:** Easy to clean and disinfect
- ⇒ **RELIABILITY:** Designed and built to operate continuously, 3 working shifts per day. The ultrasonic cutting unit and the product conveyors can be washed by low pressure foam cleaning units.



ABRIGO
ROBOTIC SYSTEMS FOR FOOD INDUSTRY



CARTON BOXES



THERMOFORMED VATS

ABRIGO S.p.A.

Via Alba-Cortemilia, 128 - 12055 Ricca di Diano d'Alba (CN) - ITALY

www.abrigospa.com

Member
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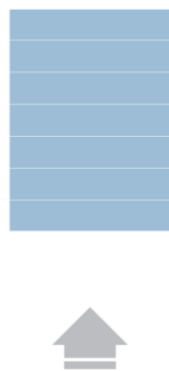
MADE IN ITALY



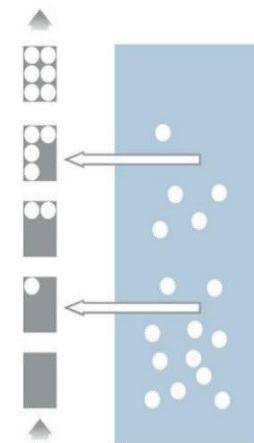
DESCRIPTION AND TECHNICAL SPECIFICATIONS

- ⇒ manual loading of the 6 meat cylinders onto the feeding belt
- ⇒ n.1 weigher to check the infeed
- ⇒ product alignment system with 3 independent pushers, each one controlled by a weigher downstream, to adjust the thickness of the slices and ensure the correct weight of the product
- ⇒ n.1 guillotine with ultrasonic blade, with adjustable cutting speed (each stroke 6 slices are cut from the 6 cylinders)
- ⇒ n.3 weighers to check the the weight of 2 slices each, controlling the pushing systems of the product and adjusting the thickness of the slices according to the weight
- ⇒ set of belt conveyors, in Polycord (to minimize the surface of the product touching the belts)
- ⇒ n.1 R1 - pick & place robotic cell, Abrigo MRS, with 6-axis industrial robot, to feed the slices to the thermoforming packaging machine, with product handling gripper with vacuum cups (based on Venturi effect)
- ⇒ n.1 TPM - thermoforming packaging machine (third party manufacturer)
- ⇒ set of conveyors, in modular plastic belt, receiving the product from the thermoforming packaging machine and delivering it to the packing cell
- ⇒ n.1 FSC - box forming unit (third party manufacturer)
- ⇒ n.1 R2R3 – pick & place robotic cell, Abrigo MRS Robovision, with n.2 fast pickers (delta robots), complete with artificial vision and light to guide the robots
- ⇒ Handling of the filled boxes between the pick and place cell and the boxes sealing unit, by means of modular plastic belt conveyor
- ⇒ n.1 CS - boxes sealing unit (third party manufacturer)

WAY OF CUTTING



WAY OF PACKAGING



*Technical data are just for reference purpose and refer to the specific application.
Technical data may change according to the optional items included and to the chosen manufacturer of third party pieces of equipment.*



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