

Automatic loading of microwave driers

"Advanced technological systems for chemical and food industry"



Application:

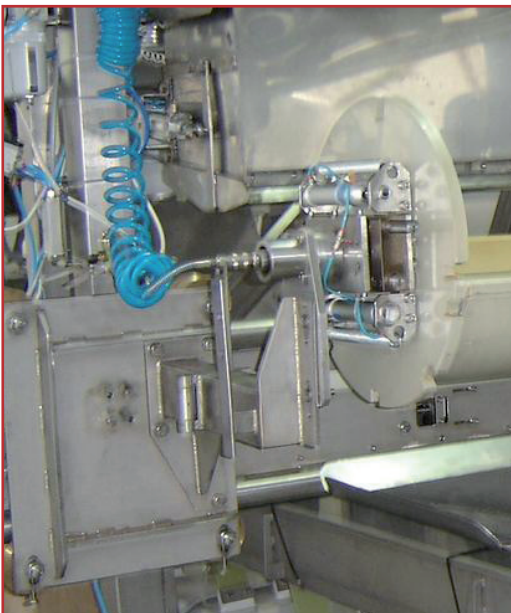
This product enables automatic loading and unloading of food products earmarked for microwave drying.

Advantages

Loading and unloading fully automatic. Simple construction. Made entirely from acid-resistant steel. Affordable price.

Description

The loading/unloading process is based on belt transmission and pneumatic system. The unit comprises three main elements: rope drive, carriage, and a grip. After receiving a signal, the machine moves the container into an extreme side position and into the drier. Once the drying process has been completed, the container backs out, and the unloading begins. The main component is the rope drive which moves reciprocating-wise with the use of a servo-motor. The drive is transferred from the servo-motor onto the belt via sprocket wheels—transmission ratio 2:1. The moveable carriage moves along a ball slide. The grip is attached to the carriage and remains in contact with the container. The grip is composed of two servo-motors, which guarantees a firm hold on the container. The additional bearings on the grip allow it to rotate.



Technical data:

Production of non-standard loading units lies within our capabilities. The overall length of the rope drive is contingent on a particular technological process. The manufacturing of the unit and the parameters are dependent on the information provided by the customer.

Offered devices can differ from presented on the photos.



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