

Centrifugal Vegetable Drying Machine HS-FLEX

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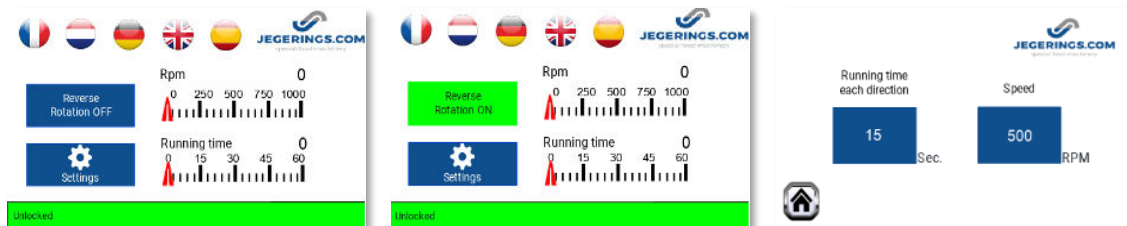
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Appurtenances

- Touch screen (IP-67 waterproof)
- Frequency controller
- Timer
- Reverse function.
- Slow-start / slow-stop functions
- Double-lock for the cover

Operation

- One direction of rotation (reverse function OFF, red). The machine then rotates in one direction for the set time. This option is suitable for most (cut) products.
- Two directions of rotation (reverse function ON, green). The machine then rotates in 1 direction for the set time, then stops for 1 second, and then rotates in opposite direction for the same time. This function is especially suitable for larger (pieces of) leafy vegetables. These clamp against each other due to the centrifugal force. The moisture that is between the leaves is difficult to remove. Because the machine stops for 1 sec., the leaves fall back to the center of the basket. Because the machine then rotates in the opposite direction, the leaves are also turned. This allows 1 to 2 percent extra washing water to be removed. In this way, the shelf life can be extended by 1 to 2 days.
- By means of the touch screen the processing time can easily be adjusted from 0 – 60 seconds and the speed from 350 – 950 RPM.



- The basket is placed in the machine and the cover is closed. The machine will start automatically and the cover will be double-locked.
- The speed gradually (4 seconds) increases (slow-start) to the maximum set speed in order to make sure the product will spread itself evenly over the basket. The speed also gradually decreases 4 seconds before it stops (slow-stop). By stopping the basket, the product will fall back to the middle of the basket. Next, the machine will start again. However, the basket will rotate in the reverse direction. Thanks to the reverse function even leafy vegetables will be dried perfectly.
- The HS-FLEX can both be started and stopped by only pressing one button.
- If the cycle is finished, the cover unlocks automatically and the basket can be removed from the machine.

Advantages

- Because of the adjustable speed, timer and double-lock for the cover, the machine can always operate with the optimal speed during the optimal time span.
- It is not possible to shorten the cycle time. Not even by using the emergency button.
- The machine is reliable and stable and is suited for industrial usage. It is even fit for 'heavy' products.
- The stainless steel basket holder is solid and completely surrounding the plastic basket, and thus extending its lifespan.
- By means of the slow-start function the product will evenly spread itself over the basket, and this minimizing imbalance and vibration in the machine.
- Because of the slow-stop function no mechanical wear and tear will emerge (brake).
- The HS-FLEX is very safe for the operator through the double-lock cover. Even satisfies the newest CE-machine guidelines.
- Underneath the four adjustable bases are four shock absorbers installed so that vibrations due to starting the machine will be absorbed and the machine does not move. Therefore, it is not necessary to attach the machine to the floor.
- This machine can be perfectly integrated into a vegetable processing line for cutting, washing and drying vegetables.



HS-FLEX in a vegetable processing line for cutting, washing and drying vegetables

Options



Centrifugal Basket 44 l

This centrifugal basket (or also called spinner basket) is the standard size basket that can be used for the HS-FLEX dryer as well as every other model dryer in our product line. The baskets have been tested by Intertec Polychemlab and can be used for handling all kind of food stuff and vegetables.



Mesh Basket Insert

This mesh insert basket is especially designed for vegetables and other products that are cut into very small dimensions as it has a much smaller perforation (1x1mm) than the centrifugal baskets. The insert is supposed to be placed within the centrifugal basket and will make sure that small cut product will not get lost through the perforation of the basket.



Centrifugal Basket Trolley

With this trolley full (and heavy) centrifugal baskets can easily be moved around the processing facility to increase the workflow. This trolley is made of stainless steel and is equipped with four swivel castors.



Stainless Steel Lid

Instead of an acrylic lid, the HS-FLEX can alternatively be equipped with a robust stainless steel lid. This lid, constructed from high-quality 3 mm thick stainless steel, is the perfect choice for companies aiming to eliminate plastic components from their machine design, contributing to both durability and sustainability.

Technical data

Electrical data	1 Ph / 230 V / 50 Hz / 4.7 A*
RPM motor	2800
RPM basket holder	350 – 1000
Power	1.1 kW
Dimensions	580 x 830 x 970 mm
Infeed height	830 mm
Weight	190 kg

*The HS-FLEX is electrically adaptable ensuring its compatibility with local power requirements.

Dimensional drawing

