

SAFMILL 75

The machine SAFMILL 75 is born from the need to solve the problems of grinding a special product as Saffron. The goal was to cut the pistils in the correct size ready for the packaging machine without creating humidity and without heating the product. The focus was to maintain unchanged the organoleptic qualities of the product in particular the level of color strength. Another objective was to create any waste for processing, given the high economic value of the product.

Safmill75 can grind the saffron in the correct grain size and desired mixtures ready for the packaging machine without creating any processing waste.

The machine is totally automatic and is capable of grind from 5 to 8 kg per hour of pistils, depending of their initial humidity. The grinding machine is a closed circuit, which does not allow to obtain dispersion into the environment of powders, and then product. During the grinding process, the ventilation system and dust recovery helps to extract the heat generated by the hammers and eliminates any moisture condensation from the circuit to obtain a product ready for packaging without waste in the process.

ADVANTAGES:

- Fully automatic system. No need for operators
- Precut of the pistils during transport between the batch feeder and the hammer mill
- Cut with special hammers in the proper size due to a special filter
- 60lt removable collection bin on wheels to easily transport the product in the packaging laboratory
- Ventilation system that allows you to keep the organoleptic qualities of the product
- Dust collection system with certified HEPA filter to catch and re-use any waste during the process
- 100% AISI304 Stainless Steel construction
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Chassis made 100% of stainless steel AISI304

Watch our video



1. GRINDER HAMMER MILL

- 100% AISI 304 stainless steel hammer mill with special grid sieve with a particle size for saffron powder, easily replaceable to grind various grains
- kW0,75 400V motor belt drive fully self-extinguishing in all its parts
- Speed 2800 rpm

Power	kW	2,05
Voltage	Volts	400
Noise level	dB (A)	71
Filter type	Hepa Safety filter	
Container capacity	lt	60
Hopper container	lt	30
Dimensions	cm.	75 x 105 x 210
Production	kg/h	3/6



2. ELECTRICAL PANEL CONTROLS

- Framework in metal box with lockable door lock CEPI 400x600x250
- 230/24 VAC transformer and contactors for Inverter control and command of extractor and grinder
- OMRON Inverter for control and speed adjustment of the volumetric micro-batch feeder
- Cooling system for the inverter with 2 fans
- 6 meters cable with Mennekes plug
- Electrical circuit diagram and declaration of conformity
- Socket / plug for quick disconnection of the mill from the machine for maintenance and cleaning



3. VENTILATION SYSTEM

- Forced ventilation system to remove moisture from the container and remove the dust in suspension
- Filtration System of the vacuumed product through the cartridge certified filter HEPA H14. Filtration efficiency of 99.995% 0,18micron
- Container safety filter AISI304 stainless steel with quick hooks for easy cleaning of the filter
- Dust extractor motor Side channel blower kW0,75 400V