

Drying

K850 drying system

By means of a large-volume centrifuge with a diameter of 850 mm, the fully automatic, continuously operating unit is used to dry cut lettuce and whole leaves as well as cut fruit and vegetables. The system sets new standards in terms of hygiene.

up to 5,000 kg (11,000 lb)/h Max. capacity



Your benefits

- ✔ Continuous dewatering: designed for large processing lines
- ✔ High drying performance, for example dewatering lettuce down to a residual moisture level of 3 % and vegetables to 1%
- ✔ Ensures easy, safe operation
- ✔ Processing is extremely gentle – ideal even for sensitive products
- ✔ Recipes can be adapted to different products with a selection of adjustable parameters
- ✔ A compact, open design enables optimal hygiene and a low space requirement

Product groups



Portrait

Dries lettuce, fruit and vegetables fully automatically, efficiently and hygienically: up to 5,000 kg of product per hour

The K850 is a fully automatic drying system for lettuce, fruit and vegetables and is designed for use in continuous processing lines. It is an upgraded version of the **K650**. The increased capacity of the K850 is achieved by the larger centrifuge drum as well as shorter cycle times, which are achieved by increased acceleration by means of an even more powerful but comparatively more energy-efficient drive unit.

The product leaves the washing unit and is deposited on the infeed buffer conveyor. Due to the



buffer conveyor, the K850 processes continuously, although the centrifuge itself dries in batches. As soon as the centrifuge with an 850 mm diameter drum is full, the buffer conveyor runs in reverse mode until there is space in the centrifuge. With an optional volume control, the infeed product quantity can be optimized. At the end of the drying cycle, the spinning speed is reduced and the product is gently forwarded to the discharge belt by a single blowing-off procedure. It is timed in such a way that the product flow is as even as possible. After drying, the product is transferred either into containers or onto the infeed belt of an automatic weighing or packaging machine.

The parameters in the programs have been largely automated so that settings are clear and the system is easy to operate. Without product, the unit automatically switches to energy-saving mode. An integrated spraying system can be used for intermediate cleaning.

The K850 is supplied as a "Plug & Play" & version, meaning that only the cables of the individual components need to be connected in the free-standing switch cabinet to make the machine ready for operation. The system is equipped with a TOSI-BOX for remote maintenance as standard. Optionally, the control unit can be upgraded with **SMART** functions.



Technical data

Electrical power	Power	33 kW (44.3 HP)
	Voltage	3~400 V N/P
	Frequency	50 Hz
Air	Working pressure	5-6 bar
Dimensions	LxWxH	angled: 8000 x 6500 x 3400 mm (315 x 256 x 134") , straight: 11000 x 3300 x 3400 mm (433 x 130 x 134")
	Weight	950 kg (2100 lb)
	Infeed/placement height	750 mm (29.5")
	Outfeed/delivery height	1,320 mm (52")
Miscellaneous	kg per batch	50 kg (110 lb)
	Spin speed	max. 650 rpm
	Spin time	5 sec.
	Total cycle	32 sec.
	Total volumes	200 l

The data indicated are standard information. In addition, adaptation to other supply networks (e.g. 230V/60 Hz) is optionally possible (except for manual and pneumatic machines). Subject to changes.