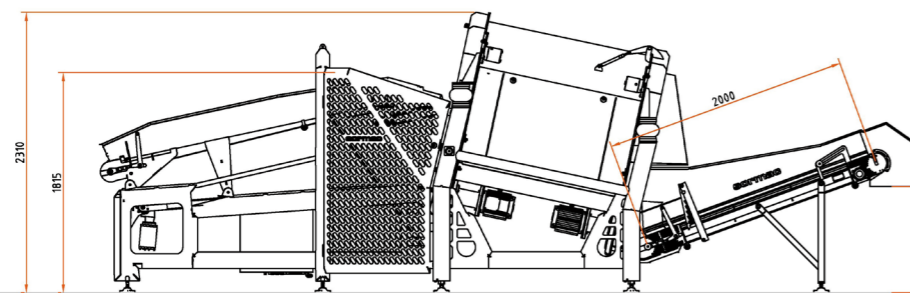
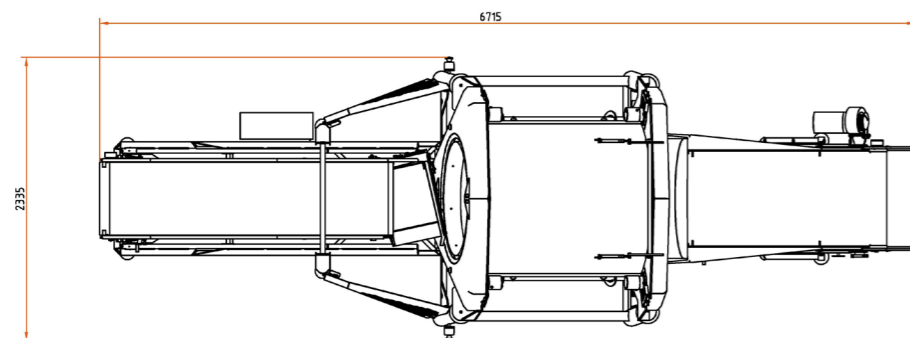


**Product specification**

The Sormac SC centrifuge is suitable for drying all kinds of leafy vegetables.

**Technical data**

Type:	SC-940/NextGen
Voltage:	230/400 V, 50/60 Hz
Installed power:	24 kW
Dimensions (LxWxH):	6,715 x 2,335 x 2,310 mm
Air consumption:	± 0.4 Nm <sup>3</sup> /min
Speed during centrifuging:	350-744 rpm (adjustable)
Diameter drum:	940 mm



**Centrifuge SC-940/NextGen**



**Operating principle**

The Sormac SC centrifuge is used to dry leafy vegetables. The drum has a completely smooth inner surface without a central axle or other parts which could damage the product. The patented drive with magnetic bearing support delivers steady and smooth operation in all circumstances.

The shuttle belt evenly distributes the produce over the slowly rotating drum. After this, the drum accelerates to the set rotation speed. The drum is decelerated at the end of the drying cycle and the slanting position of the drum causes the produce to slide onto the outfeed belt.

The buffer belt is filled during the drying cycle so as to not interrupt the continuous product flow. The configuration of the Sormac centrifuge minimises the probability of the produce being damaged.

The dimensions of the drum are large enough to achieve a low produce layer thickness and an even and low pressure on the produce.

The SC-940/NextGen is characterized by an exceptionally open design with optimal accessibility for cleaning and maintenance. Energy savings of approximately 20% are achieved by the combination of more efficient motors and a frequency inverter with an energy recovery system.

**Capacity**

The capacity of the centrifuge depends on the product, the entry moisture level and the desired final moisture level. Capacities of up to 2,300 kg/hour are feasible.



European patent EP 1 466 026 / other patents pending

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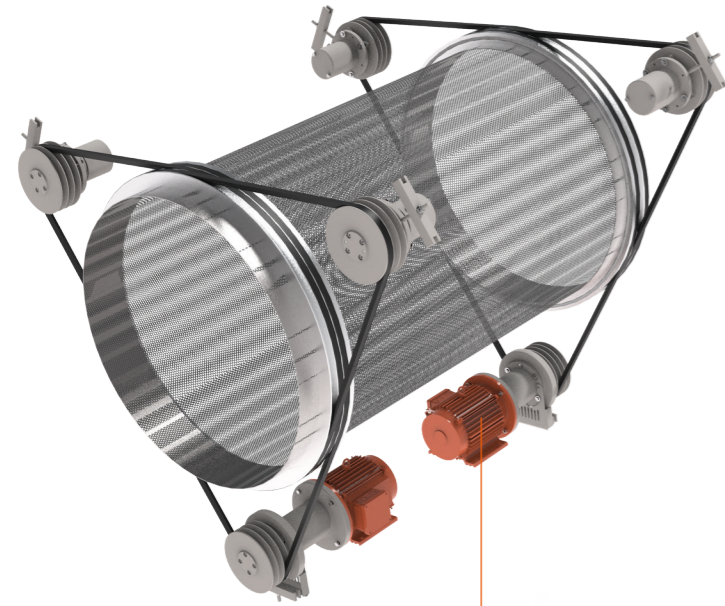
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Subject to changes

## The difference is in the details...



### Patented drum suspension

The drum hangs freely in belts and is positioned magnetically. Because the motors are positioned to the underside of the machine, they are easily accessible during maintenance or repairs.

### Unbalance controller

Unbalance is timely detected and corrected by a patented unbalance controller, thus achieving a consistently dry end product.

### Fast and efficient motors

These facilitate a quicker acceleration and deceleration as well as centrifuging at a higher speed, hence achieving a dryer product and a higher capacity.

### Energy recovery

Energy released while decelerating the drum is fed back into the grid, which contributes to approximately 20% of energy savings. Better for the environment and the energy bill.

### Simple construction

The simple construction of the machine with a very robust drive assures reliability and little maintenance.

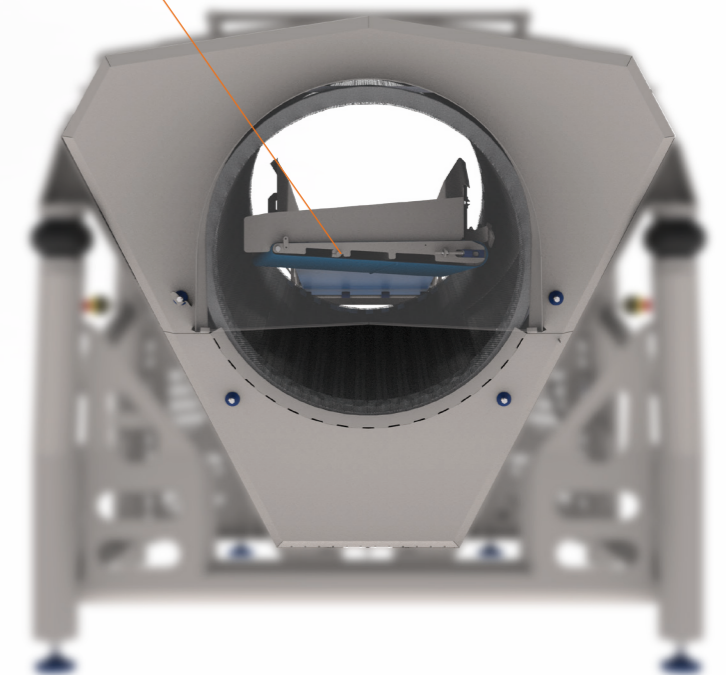
### Slanting configuration

Thanks to the slanting position of the drum fast loading and unloading of the product is possible, resulting in shorter cycles, a higher capacity and fewer wear parts.



### Unique filling system

This ensures a gentle way of filling and prevents product damaging.



### Optimal accessibility

Large doors and covers provide easy access to the machine for maintenance and cleaning.