

# next level in freezing

- condition monitoring for the entire system
- energy saving plugin based on numerous sensors
- user assist systems for process optimization

 **HEINEN**  
the freezing people.  
[www.heinen.biz/nextlevel](http://www.heinen.biz/nextlevel)

## Production time is valuable!

Every minute of usable plant time is important and every minute of downtime due to maintenance or cleaning causes added costs. This applies in particular to plants that are continuously operating in multiple shifts.

Heinen Freezing has developed various user assistance systems for this purpose.

These assistance systems record changes in individual plant components. On this way the user is notified of the need to intervene as early as possible, which means that he will have sufficient time for planning and implementing the necessary measures.

This kind of preventive maintenance saves too early replacement of high quality components or even a costly shutdown at high workload.

## Energy saving when freezing!

You can also cool and freeze energy-efficiently in the production of frozen food. To do this, we look at the life cycle assessment of the entire system, including energy consumption, effectiveness and maintenance costs. Heinen Freezing has created an energy-saving package that reduces energy consumption and lowers operating costs.



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**condiMOT<sup>®</sup>**

This system monitors main and auxiliary drive, as well as fan motors with vibration sensors. The signals are forwarded to the controller via an evaluation unit, where they report the current status of the monitored components on the operating display. The user is thus informed of the decisive instructions just in time via the operator display and necessary maintenance work can be arranged or executed directly.



**energySAV<sup>®</sup>**

The energySAV comprises several components that enable the main energy consumers to use energy efficiently.

Energy savings are achieved through improved insulation of the system, the use of energy-saving motors and fully automatic control of the amount of air in the system.

For systems with a sequential defrost, this package is supplemented by a self-optimizing defrost management. This means that the defrost will be provided as needed and / or as possible in the production cycle and will not take place at fixed intervals and, in addition, by automatic air volume control during the defrosting phase.

In addition, through the capture of the heat load, the sequential defrost can be placed in the period in which no or only low cooling capacity is required by the system. This ensures that when the heat load increases again, the full power is available and no energy is lost in icy slats.



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## freezeTEC®

freezeTec® includes various assistance systems that enable the user to effectively utilize his machine and point out deficits at an early stage.

Data such as surface temperature or weight of the product are recorded, thereby ensuring that the system is optimally utilized and thus operates economically. Necessary optimization measures can be quickly determined via the recorded data and arranged immediately.

Another possibility is the continuous monitoring of the belt run. In the event of an irregularity in the belt run, a message is displayed in the operating display of the system via a separate evaluation unit. In order to prevent greater damage, service can be planned immediately.

The cleaning monitoring is another assistance system that allows continuous monitoring of cleaning. Here it's checked whether sufficient cleanser and air are added to foam for optimum cleaning results. By detecting the water pressure, the nozzle function is monitored. Water quantity and temperature are also monitored. All data is recorded and displayed comfortably via the central operator display.

All described assistance systems initially require a higher investment in engineering and technology, but they pay for themselves in dependence from the system runtime in the shortest possible time.

Contact us!

Together with you we develop a tailor-made concept for you.

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