

Moisture jeopardizes the operation of precision equipment

Hans Graber, leader of the Technology Centre at Langnese-Iglo, has spent a lot of time with his team assessing how to optimize production and cut costs that normally occur as a result of ice build-up on evaporators in cold stores and freezers. This is one of several cases where the problems were successfully resolved.

Langnese-Iglo's Reken plant produces high quality ready meals where frozen ingredients have to be mixed very accurately according to the recipe. Electronic scales precisely meter the specified weights of the individual ingredients. While this step of the production takes place in the cold room area, the scale bowls often are brought in from a warmer production area. The resultant build-up of ice disturbed the operation to the point that functionality could not be guaranteed. "So much moisture is brought into the freezer that after a short time frost and ice builds up. The suspension of the bowl gets stuck and the production must stop," explains Hans Graber, leader of the Technology Centre at Langnese-Iglo. "In addition, the floor iced-up considerably and the number of accidents increased. Apart from the regular stops in production, the safety risk for us was not acceptable."

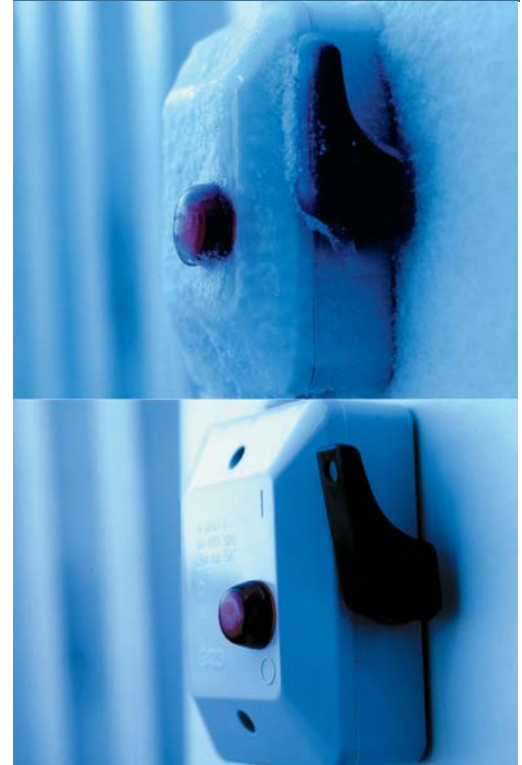
A Good Operation Climate for Production and Staff

A Munters IceDry® system was installed on the roof of the production room. This dried out the facilities after cleaning and eliminated residual moisture on surfaces so that there was no formation of ice and frost when the temperature dropped below freezing. And during production,



the Munters IceDry® system reduced ice formation so the facility experienced fewer shutdown problems while reducing the safety risk for the staff.

Case Study: Langnese-Iglo



IceDry® Facts:

- Reduces the formation of ice and frost
- Cuts down on time-consuming and costly defrost cycles
- Saves on energy bills and reduces maintenance
- Reduces the risk of damaged products
- Eliminates the risk of worker injuries