

PROBLEM SOLVER

A SMART WAY TO REDUCE AIR CONSUMPTION

FESTO

Problem: A well known ice cream manufacturer wanted to increase their energy efficiency levels at a large production plant and as part of this process attention was directed towards compressed air consumption costs.

Solution: Following an in depth technical and compressed air audit of the production line a recommendation was made to implement Festo's Energy efficiency module MSE6-E2M. This module measures the flow rates in the compressed air network, and can also instantly evaluate the information before initiating appropriate measures. Since it has been introduced it has reduced compressed air consumption to zero during system downtimes and breaks. It has also provided the added benefit of reporting back if the pressure drops too quickly during downtimes, which enabled leak detection.

It has also continuously delivered process relevant data such as flow, pressure and consumption, which it sends to the machine controller via Profibus. The end result is the module has quickly paid for itself through transparency of energy use, and energy savings.

Food and
Beverage



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