



Cooling Solution for Sweet Production Line

SWEET PRODUCTION LINE FACED A PROBLEM WITH SWEETS STICKING TO THE CUTTING MOULD DUE TO THE HEAT PRODUCED BY THE SWEETS AND THE MACHINERY.

THEY NEEDED A COOLING SOLUTION THAT WAS COST EFFECTIVE TO RUN WITHOUT ADDING ANY MOISTURE TO THE AIR. AIRFLOW WAS ALSO A CRITICAL FACTOR THAT WAS CONSIDERED.

In addition, the sweets factory had to continually stop the production of the sweet line daily for hours at a time, to steam clean the machinery and moulds due to the excess heat causing the sweets to stick. The process was creating a lot of waste and costing them a loss of production time.

The Climate Wizard CWH-10 was used to cool the sweets as they came out of the machine used for heating or melting the sweets, and on the line heading to the cutting mould. The duct then cooled it again as the sweets entered the cutting mould.

The Result

The staff turn off the cooling and only run the Climate Wizard on ventilation as the temperatures are too cold and the sweets are getting too hard.

Due to the air being cold and dry the sweets no longer stick to the mould, meaning the factory only needs to stop production once a week to steam clean the moulds, therefore experiencing an increase in productivity.



Govender's Sweet Factory production line.



Sweets are cooled as they enter the cutting mould.

Project information

Installation	Climate Wizard
System	1 x CW-H10
Cooling Capacity	Max 465 kW
COP (EER)*	7.4
Input Power Climate Wizard Only	1.5 kW

*Measured first 3 months of operation

Benefits

- ✓ ECONOMICAL SOLUTION
- ✓ HUGE ENERGY SAVINGS
- ✓ LOW MAINTENANCE COSTS AND LONG LIFE EQUIPMENT
- ✓ ENHANCED COMMITMENT TO THE ENVIRONMENT
- ✓ INCREASE PRODUCTIVITY
- ✓ LESS DOWN TIME

To discuss technical engineering project requirements

Contact Hennie Verster, Africa Sales Manager on 011 452 0394.

You will quickly realise how much energy efficiency you'll gain. We provide full technical support to help you optimise the benefits.



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