



Sweet Industry – Long Service Life

You might not think something like nut particles could cause a pump’s stator to wear so much that it would need to be replaced on a monthly basis. But that was exactly what a large sweets manufacturer was experiencing. It turns out that the progressive cavity pumps they were using to transfer their waffle’s hazelnut chocolate fillings were simply unsuited to the task.

The manufacturer has now replaced them with Bornemann SLH twin screw pumps. Because the particulates in the media are larger than the clearance between the screws and casing, they pass right through the pump—and wear to the pump parts has essentially dropped to zero.

The manufacturer is now enjoying a dramatic reduction in costs for parts, maintenance and downtime. These savings will continue to accrue over the lifetime operation of the pumps.



This wafer’s hazelnut chocolate filling was causing excessive wear to the progressive cavity pumps that were used to transfer it.

The ITT Impact

Using ITT Bornemann twin screw pumps, the sweets manufacturer has completely solved their pump wear issue.

About ITT Bornemann

Bornemann introduced the SLH pump to the Food and Pharmaceutical industries in 2004. The design was based on 150 years of twin screw pump technology aligned to the special hygienic needs of Food, Pharmaceutical, and Chemical processes. Today, ITT Bornemann serves hygienic and sanitary applications with seven series of modular pumps, complete with mechanical, electrical and control systems. All are EHEDG and EHEDG Aseptic approved, comply with 3A Sanitary standards and meet many other international standards. With 50 different pump hydraulics, 500 design options and more than 10,000 installed pumps worldwide, ITT Bornemann – The Original – is the undisputed world leader in hygienic twin screw pump technology.

Application Data

Capacity:	2 m ³ /h (7 gal/min)
Differential pressure:	7 bar (100 psi)
Viscosity:	200 cst

Pump Execution

Pump Type:	SLH-S 125
Mechanical Seal:	Lip-Seal
Material:	Diffusion Hardened