



ENVIRONMENTAL TECHNOLOGY

Major savings for SA company

The South African confectionery manufacturer Premier Foods was having problems with a seal on its licorice mixing machine.

The shaft was off center and the seal faces were not being adequately lubricated, with the result that the seal was failing on average every six to eight weeks. The machine makes 75% of the company's licorice-based products, so that the downtime was causing serious disruption to the manufacturing process.

To remedy the problem, AESSEAL® recommended the installation of its CDPN™ double mechanical seal, which is designed as a high-performance sealing solution for general applications. Its proven performance over more than a decade, combined with the latest manufacturing techniques, make it one of the best value-for-money seals on the market. Its independent seal face design ensures the safe containment of process fluid in the event of damage to any individual sealing element.

The seal was installed in May 2024, along with an SW02™ water management system, and is still running smoothly more than seven months later. As well as enabling the company to make significant savings in water and energy consumption, eliminating the seal failures is saving the company an estimated 75,000 rand (US\$4,000) every six months in repairs and maintenance, and 500,000 rand (US\$27,000) in lost production. The quality of the AESSEAL® products and the level of service provided means that the company is in regular contact with AESSEAL® and has been in consultation over a similar problem at another of its plants.



'Reliability increased from <8 weeks to >7 months'

Industry:	Food & Beverage
Product:	CDPN™ & SW02™
Application:	Liquorice Mixer
MTBF Increase:	>280% (and counting)
Savings:	>\$31,000 (and counting)
Reference N.O:	TD3109587



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