



Summary

Industry:	Food - Bakery & Cereals
Application:	Stone Grinders
Actual Saving:	£n/a
Payback Period:	n/a



Wedge Belts Solve Issues for Stone Grinder

ERIKS Drives and PT solve Bakery Issues

ISSUE

A bakery in Southampton were experiencing problems on their stone grinders, the grinders were driven by multiple wedge belts from grooved section pulleys on the motor shaft, to a flat pulley on the machine.

The belts were tracking off the flat pulley and failing the machine, using lots of belts unnecessarily. There were six machines in total, with a mixture of 15kW & 18.5kW motors driving each one.

SOLUTION

The local service centre in Southampton enlisted the assistance of Russ Horrigan, Drives Technical Specialist to look at the application in detail. The initial response was to supply multi-banded Wedge belts, to eliminate the tracking issue, however, Russ noticed that the grinder moved up and down by approx. 15mm, and so believed this would not be the most suitable option.

It was decided that the best course of action would be to change the flat pulleys out together, and use standard wedge belts and pulleys supplied from stock. The up and down motion of the grinders would not be a problem for the wedge belt drive, as the shaft centre distances and pulley face alignment, were within tolerance.

Russ supplied a unit complete with a new motor which was fitted immediately when it arrived on site the next day. Russ has now ordered all the balance units - each one fitted, which will result in huge process benefits from the OEM original design.

OTHER BENEFITS

- Failure diagnosis, offering advice to ensure the same problem doesn't reoccur
- Solutions and advice for both MRO and OEM requirements
- In-house unbiased technical support

FURTHER COMMENTS...

All units have been supplied with 15kW motors, reducing the need to hold stock of both the original powered motors, providing the customer with a saving on the stock they hold.

MORE INFORMATION

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