



Summary

Industry:	Food - Prepared Foods
Application:	Meal Outloading bays
Actual Saving:	£n/a
Payback Period:	n/a



ATEX Compliant Drives

ERIKS upgrades crop harvester to ATEX compliant Drives

ISSUE

A crop harvesting company were embarking on a new upgrade project to update their meal out-loading process screws, with ATEX certified drives - as the original OEM drives were not ATEX compliant. Russ Horrigan, an ERIKS Drives Technical Specialist was contacted for technical advice and support.

SOLUTION

Both geared motors on both the fixed screw conveyors, and traverse screws were replaced with ATEX compliant variants. It was at this point that Russ also noticed there were chains driving the fixed screw from the gearbox, which would not conform to ATEX legislation.

Russ looked at designing the chain drives out, and replacing with 4 direct drive geared motors that would apply to the ATEX Zoning for this particular application. Russ calculated the speeds of the driven shaft, taking into account the gearbox ratios' and chain ratio, and offered a fixed speed geared motor to direct couple to the drive shaft. ATEX approved Fenaflex tyre couplings were also selected as the direct link between motor and prime mover for the application.

OTHER BENEFITS

- Full understanding of current ATEX regulations
- Redesigned drive to suit the application
- Impartial technical support an back up

FURTHER COMMENTS...

ERIKS are now working alongside the on-site engineers to identify additional hazardous drive replacements.

MORE INFORMATION

ERIKS Industrial Services

Amber Way, Halesowen,
West Midlands B62 8WG

Tel: 0845 006 6000

Web: www.eriks.co.uk