



### Summary



<b>Industry:</b>	Food and Drink
<b>Application:</b>	Potato Conveyor
<b>Actual Saving:</b>	£undisclosed
<b>Payback Period:</b>	undisclosed



## Speed Control and Protection with Fenner Inverters

The Fenner QD:E IP55 requires no additional enclosures, a perfect retro-fit solution

### ISSUE

A company located in the North of England manufacture and refurbish bulk carriers. Each lorry has an inbuilt belt conveyor for unloading the potatoes, this is normally driven by mechanical variable speed belt driven gear unit.

These have previously proved expensive to purchase, difficult to maintain and ERIKS were asked to provide an alternative solution.

### SOLUTION

A Fenner QD:E 1.5kW inverter was proposed, protected to IP55 it was installed in a suitable position within the rear framework of the lorry. The protection meant that there was no need for any additional electrical enclosure. The inverter was also able to utilise the existing isolated single phase supply.

Speed control was achieved by a front mounted potentiometer; this enabled the operator to easily adjust the belt speed during the unloading process. Fitting the inverter also provided overload protection and an adjustable soft start and stop facility.

### OTHER BENEFITS

- Only 14 Standard Parameters - Quick Installation and Set Up
- IP55 Version as Standard - No Need for any Additional Electrical Enclosure
- Front Mounted Potentiometer - Simple Speed Control

### FURTHER COMMENTS...

The bulk loader is now refurbished with the drive in full operation.

### MORE INFORMATION

#### ERIKS Industrial Services

Amber Way, Halesowen,  
West Midlands B62 8WG

Tel: 0845 006 6000

Web: [www.eriks.co.uk](http://www.eriks.co.uk)