



Summary



Industry:	Automotive
Application:	Transfer Press
Actual Saving:	£Undisclosed
Payback Period:	Undisclosed

Fenner®



Fenner Quick Drive Inverters Eradicate Motor Failures

ERIKS Know-How Prevents Costly Production Failures

ISSUE

A large car manufacturer was experiencing reoccurring failures of the "Micro Inch" motor on a large transfer press.

The "Micro Inch" motor is a 75kW machine, that is used when setting up the tooling for the production of car body panels. The failure would typically manifest when the 75mm diameter motor shaft sheared off, rendering the press un-operable.

SOLUTION

ERIKS were quickly able to replace these motors as they failed, however, a root cause analysis revealed that the repeated shock loading of quick successive starts and stops, as the huge press tools were positioned, were fatiguing the motor shaft to the point of failure.

The solution came packaged in the form of a 75kW Fenner QD:NEO inverter, with it's remarkably high torque starting capacity, and ease of installation, was relatively easy to integrate into the press controls.

OTHER BENEFITS

- High Starting Torque - 200% of the motor's rated torque from standstill.
- Easy to set-up - It took the setting of just 8 parameters to fully commission.
- Motor Protection - It takes just one fiftieth of a second for the inverter to react to a problem.

FURTHER COMMENTS...

The Fenner QD:NEO inverter provides a smooth and consistent movement for the press. This has made tool setting easier, and has eradicated the sudden and catastrophic failures that had previously interrupted production.

MORE INFORMATION

ERIKS Industrial Services

Amber Way, Halesowen,
West Midlands B62 8WG

Tel: 0845 006 6000

Web: www.eriks.co.uk

