



Summary

Industry:	Food - Prepared Foods
Application:	Coupling
Actual Saving:	£
Payback Period:	on going



Torque Clutch Coupling Safeguards Packaging Machine

ERIKS recommend a solution to minimise downtime for F&B manufacturer

ISSUE

A global food manufacturer of coffee, confectionary and cereal was experiencing problems with a packaging machine that forms cardboard round rollers to make a container for one of their products. The main drive was coupled to a secondary shaft by a small beam coupling, this coupling was underneath and behind most of the moving parts on the machine. If and when they had a jam up of cardboard product this coupling would shear and lose drive, the consequence being a 2 -3 hour strip down and replacement of the unit and a stopped line for this amount of time.

SOLUTION

After looking at the application and understanding what the component did and how it affected the machine as a whole, ERIKS Drive and PT Core Competence Centre Engineers suggested the use of a torque clutch coupling which would disengage at a set torque value and safeguard the machine and its drive train if an overload occurred. The torque clutch coupling would be able to be "re-set" within minutes to minimise downtime.

The coupling has worked so well that the customer is busy looking for other applications which cause similar issues.

OTHER BENEFITS

- Control over setting of overload values
- Reduction of production downtime.
- Reduction of engineers time spent on machine
- Productivity of machine increased.

FURTHER COMMENTS...

ERIKS know-how has allowed the customer to overcome a long standing problem; this success has driven them to search for other areas where ERIKS can help to increase their uptime.

MORE INFORMATION

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