



### Summary

<b>Industry:</b>	Food - Snack
<b>Application:</b>	Conveyor Upgrade
<b>Actual Saving:</b>	Improved design
<b>Payback Period:</b>	Immediate



## Drives Knowledge and Expertise Improve Conveyor Performance

### ISSUE

An established snacks manufacturer had historically been using Eddy current drives for their variable speed requirements, a very traditional method. The existing supplier for drives had not manufactured the model they required for many years and spares were becoming increasingly, if not near impossible to get hold of.

The customer required ERIKS expertise and knowledge to upgrade their most popular production line. In addition they decided to change the gearboxes that drive the rollers as well as replacing the cumbersome gear and chain arrangement to make all of the rollers direct drives.

### SOLUTION

ERIKS were asked to select four replacement gearboxes and re-design the drives arrangement, using our CAD System. This helped map out the new set up which overlapped the existing one, ensuring everything would fit in place.

ERIKS selected a more efficient helical drive gearbox to replace the obsolete inefficient worm drives currently being used. The shaft rollers were also re-machined to accept the bore diameters of the new gearboxes.

Over a 5 day planned shutdown, the gearboxes were installed by the ERIKS Electro Mechanical Services team and then worked closely with the customer's electrical contractors who installed the inverter drives.

### OTHER BENEFITS

- Improved efficiency
- Reliability
- Product availability

### FURTHER COMMENTS...

The customer is very happy with the new installation. This has resulted in an improved conveyor performance and a significant reduction in electrical consumption.

### MORE INFORMATION

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