

# Total solution to all position measurement and control



## Food Manufacturing 1

### Providing solutions to application ideas

Designs and manufactures bread baggers, slicers and specialised bespoke equipment for the bakery industry, with over 30 years manufacturing experience, mainly for the UK market, but also export worldwide.

The client needed a reliable and robust solution to linear position measurement. The sensor signals needed to be compatible to the linear drive motor and controller they were using and must be able to operate in a harsh environment. The problem in this environment is the bread crumbs harden on to the moving axis and can cause damage to optical linear encoders which in the past had proved to be a very unreliable solution.

The magnetic linear sensor gave the customer the signal level compatibility and the resolution required at 5 volts Linear Driver and 0.01mm respectively. They are also protected to IP67 environmental level and can be cleaned down regularly which was a requirement in the production area. The extreme levels of bread crumb dust around do not affect the system due to the non-contact magnetic position sensing technology used.

Even though the end customer at the bakery undertakes a high level of clean down daily the service life of the sensor system is unaffected due to its robustness. This gave the customer a highly reliable position sensing solution on a time critical application.



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Our Application Engineers welcome the opportunity to discuss your situation to help achieve the results you need.