



Siko Ltd Precision in Motion

Pre-Printing Industry

Providing customers with a total solution to all position measurement and control applications.

Our aim is to provide every customer with cost effective, efficient measurement and motion solutions further strengthened by expert technical support and outstanding personal customer service.

- Expert advice & technical support from experienced application engineers
- Fast track production system for urgent orders
- ISO9001 Certification and RoHS compliant
- Large ex-stock range
- Unique Product Solutions

Our Application Engineers welcome the opportunity to discuss your situation to help achieve the results you need - however basic or complex your measurement challenge appears, so please get in touch.

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Our Client

Our customer is a major manufacturer of plate mounting and proofing machines to the printing industry with over 30 years' experience and exporting worldwide.

The Situation

This company were using a competitor's linear encoder to give position feedback to help them to set the position of print plates on a proofing machine. This proved successful until they started to have requests to produce longer machines. The competitor's device did not operate easily over longer distances as it required more supports to prevent sagging, this made the sensor too tight to move. This did not suit the new application as the camera sensor heads needed to move freely.

Our Solution

Our solution on the first type of machine was to offer the open linear encoder type MSK5000. This uses non-contact technology with a gap of up to 2mm before the signal can be affected allowing the camera connected sensor heads to glide effortlessly across the full measuring range. A resolution and repeat accuracy of 0.01mm was achieved and was compatible with the clients existing control.

From this successful application followed a request to supply an absolute linear encoder that would interface directly with a Profibus controller and save setup time by eliminating the need to re-datum any of the camera heads once initial calibration has been set.

Then a further request where the customer required a position display to operate from one of our sensors to give either metric or imperial position measurement. This would allow them to offer the same system to both the European and the USA market. This we were able to do from our standard product portfolio.

The Result

From the customers initial contact we have been able to prove to them that our comprehensive quality range can offer solutions to most position control applications using the latest robust non-contact measurement solutions. In this case giving the customer a one shop stop for all the linear measurement applications they have, coupled with a high level of technical support they can call upon at any time.