

# Total solution to all position measurement and control



## Metal Fabrication

### Providing solutions to application ideas

Our customer manufactures metal tube bending and wire forming machines for the fabrication and forming industry. They have over 40 years manufacturing experience and exports worldwide.

This was a **new contact for us but this prospect was aware of our expertise in the manufacture of heavy duty rotary position encoders.**

Our customer was redesigning their metal bending machines. The **machines are subject to high levels of shock and vibration** as the bends are produced. These vibrations were damaging the encoders and the clients customers had to replace the encoders quite frequently. An unacceptable situation for the reputation of this quality machine maker so therefore they looked to us for a solution.

The simple **solution was to provide them with the magnetic encoder** with the required pulses per revolution which **would not be catastrophically damaged by the shocks or vibrations they would be subject to.** This product range allows the shock resistance level of 200G at 6ms coupled with the vibration level of 10G at 50HZ. The technology uses a magnetic ring and associated sensor electronics but not in the same mechanical format to an optical encoder. In this case even if the shaft is moved axially the part will not fail catastrophically.

Our clients now produce a machine that is extremely reliable and restores their reputation for producing quality products.



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