



**FSI Technologies Inc.**

668 Western Avenue • Lombard, IL 60148-2097

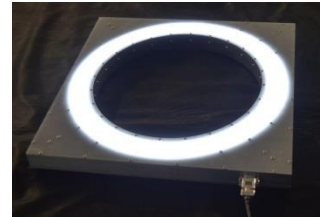
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www.fsinet.com

## FSI Product and Engineering Updates

### When A Backlight Isn't Necessarily A Backlight

FSI engineer Fred Turek discusses alternate ways backlights can be used in an article published in Quality Magazine. To view the article, go to <http://www.qualitymag.com/articles/91209-backlight-basics>.



### Replacement encoders available for CNC machines.

FSI Technologies Inc. carries several models of the Kwangwoo encoders for replacement purchase purposes. These encoders work for both Doosan turning centers and mills. Contact our customer service assistance at [customerservice@fsinet.com](mailto:customerservice@fsinet.com) to find out more about the encoder that is right for you.



### FyrEye-3230 Bearing Assembly Inspection System

This system automatically inspects completed bearing assemblies to ensure it is free from defects directly related to final assembly – defects such as:

- Missing or misplaced bearings
- Cage & race damage during assembly
- Reversed orientation of components
- Incorrect components
- Improperly seated bearings
- Race out of round



The FyrEye 3230 is a family of systems, customized to your application and requirements. If you think the FyrEye 3230 is right for you, call us at 630-932-9380.

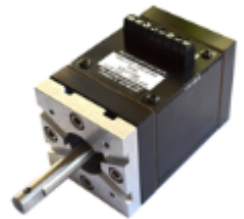
## FSI Encoder Technical Manual

The FSI Encoder “User’s Manual” is the complete guide to Optical Incremental Rotary Shaft Encoders. The guide contains common output options, wiring information, mechanical drawings for the RSE, HDE and ESE series encoders, and common encoder formulas. The section on encoder theory discusses operation, noise immunity, output options, construction, interfacing, power requirements, mechanical limits, electrical speed limits, environmental limits and maximum line resolution. To access this manual, download it off the website from: <http://www.fsinet.com/Download/2952-9400-06.pdf>

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## Custom Built Encoders

In addition to our standard encoders, FSI can design and manufacture custom encoders to your specifications, for both OEM and specialty applications. Typical customizations include: shaft lengths and diameters, special mounting configurations, various enclosure sizes, different connectors, modified electronics for different output types, enhancements to meet environmental requirements. Call FSI to discuss your encoder needs with one of our engineers.



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**Feedback:** For questions about our products and services, call 630-932-9380.