

## SERVO INDEXING FOR EDDY CURRENT TESTING



Foerster Systems Located in Salem, Ohio specializes in complete turnkey inspection solutions utilizing eddy current nondestructive testing methods for finished and semifinished metal products and components.

One of Foerster's recent challenges was to build an automated inspection system capable of testing seventeen sizes of forged steel components. Requirements included eddy current testing of material hardness and the gauging of numerous physical attributes including cross holes and hexes.

The machine was centered about a rotary indexer capable of transporting components 45 degrees in  $\frac{1}{2}$  second, and positioning within  $\pm 30$  arc seconds.

Mechanical designer Jim Galich was looking for flexibility, performance, and ease of use. "We have used mechanical indexers in the past but Centricity's servo indexer was a great solution for this application. We were able to integrate the indexer seamlessly, and the spreadsheet based software was simple to use. The compact design of Centricity's indexer allowed us to position our tooling under the dial plate and significantly reduced the machine footprint."

Centricity supplied an NT Series Servo Indexer including the rotary chassis, servomotor with digital AC controller, position feedback, cables, and simple-to-use spreadsheet based software.

According to Galich, "The fact that Centricity's servo indexers are competitively priced with the mechanical indexers we have used and are available from stock made selecting them an easy decision. Their knowledgeable staff ensured that the model and size selected exceeded the performance we demanded."

Centricity manufactures servo indexers, custom rotary tables, ID parts feeding systems, and powered and non-powered rotary carousels.



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