Coordinate Metrology Society
Coordinate Metrology Systems Conference 2005
Austin, Texas | July 18-22, 2005

CMS-2005-012

Proof of Principle: First Energy Nozzle Box

AUTHORS
Steven D. Hand

ORGANIZATION
Maglev, Inc., McKeesport, PA

Published by the Coordinate Metrology Society. Reference number CMS-2005-012.
Copyright remains with the author(s). Redistribution requires permission.

ABSTRACT

Proof of Principle: First Energy Nozzle Box

MAGLEV, Inc. (MLI) measured, by means of Coherent Laser Radar (CLR), a Steam Turbine Nozzle Box supplied by First Energy Corporation. The article is measured to determine the feasibility of CLR technology to access and measure nozzle surfaces on the leading edge of the vanes. 2.0 Summary This effort and additional scanning will be continued at MLI for the next week to assure all surface data can be measured adequately enough to obtain results. The ability to reflect from multiple mirrors will be tested in the next round of scanning. In addition, the data will be processed for comparison as described within this writing.

Abstract as submitted to the Coordinate Metrology Society. Reference number CMS-2005-012.