



# **LASER METROLOGY**

**NON-CONTACT METROLOGY FOR FAST,  
HIGH QUALITY INSPECTIONS**

- IN-PROCESS FOR HIGHER  
INSPECTION PRODUCTIVITY**
- SIMULTANEOUS INSPECTION  
OF PART SIDES**
- FAST, FLEXIBLE RECONFIGURATION  
IN PRODUCTION CHANGES**

**GENESIS-SYSTEMS.COM**



**THE SPEED OF  
IN-PROCESS  
INSPECTIONS**

# LASER SOLUTIONS



CONSISTENT



RELIABLE



EFFICIENT

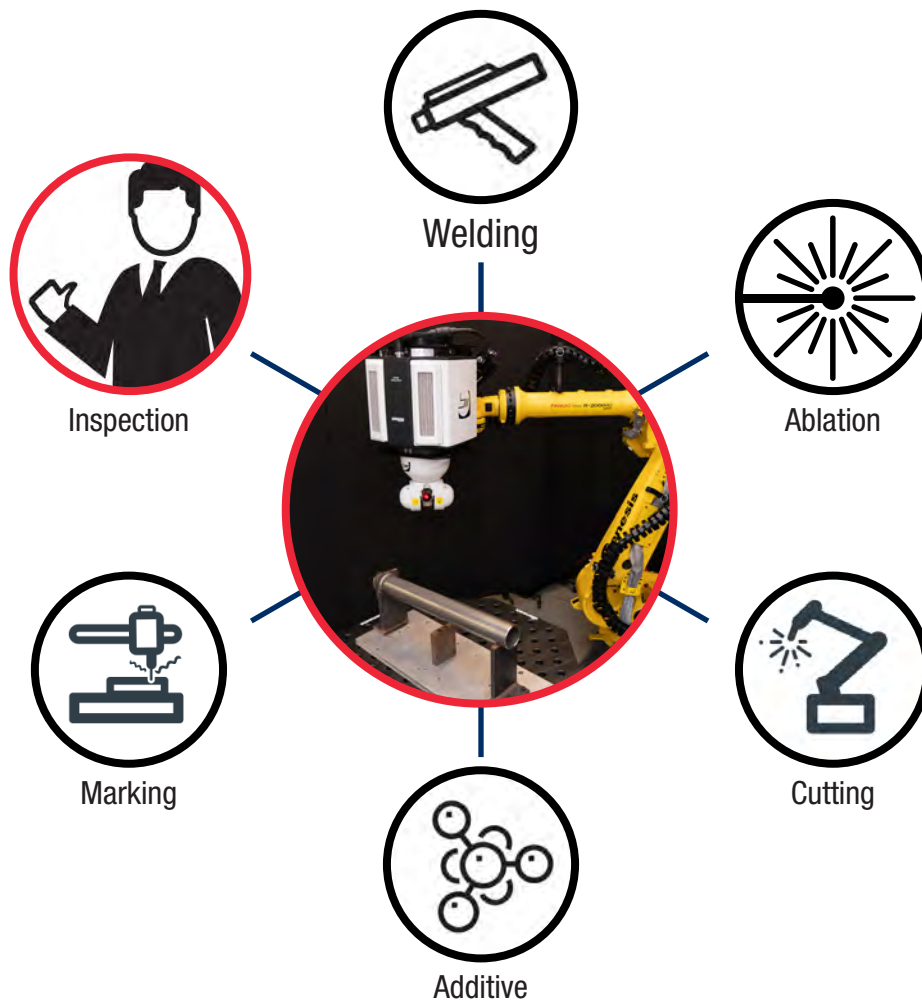


PERFORMANCE



QUALITY

Leveraging the power of LASER technologies, Genesis offers a suite of standard and customized solutions designed to sharpen your competitive edge. With a focus on product and process validation, Genesis will coach you through design transitions to help you maximize your return on investment.



## Genesis' Laser Solutions...

**Driving Growth - Efficiency, Performance, Productivity**

# **NEW LEVELS OF PRODUCTIVITY**



***Nikon***<sup>®</sup>

## **GENESIS LASER METROLOGY IS USED AROUND THE WORLD FOR:**

- **INSPECTION OF AIRCRAFT PARTS**
- **AUTOMOTIVE INLINE & NEXT-TO-THE-LINE CMM**
- **COMPOSITE INSPECTION**
- **PARABOLIC ANTENNAE SINGLE-RUN INSPECTION**
- **MEASURING HEATED SURFACES NEAR BLAST FURNACES**
- **OPTIMIZING GEOMETRY**
- **LARGE SCALE AND/OR SMALL SCALE CAPABILITIES**

## **GENESIS LASER METROLOGY**



# LARGE VOLUME INSPECTION TASKS

Genesis, a recognized leader in robotic integration, and Nikon, a renowned supplier of imaging and metrology products, have aligned in the development of the Genesis industrial laser metrology solution. Through this partnership, a new technology was born that advances the inspection marketplace. With a wide range of material flexibility for short- and long-range measurement, Genesis Laser Metrology solutions bring quality and speed into a wide range of inspection applications.



**SPEED • QUALITY • PRODUCTIVITY**

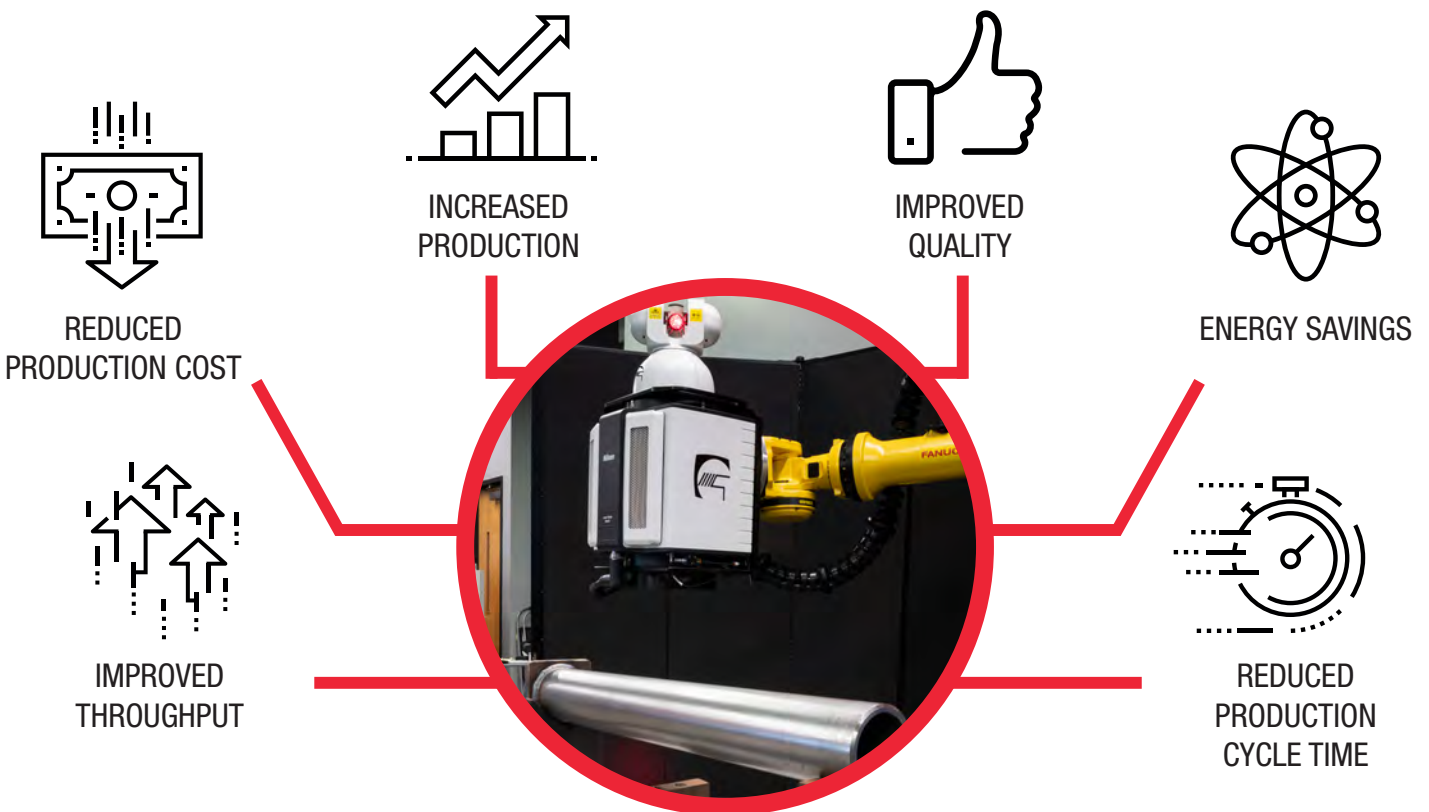
The background features a series of overlapping, translucent blue spheres that create a sense of depth and motion. A bright beam of light originates from the center of the spheres and extends towards the right side of the frame, illuminating the text below.

**THE QUALITY OF  
INNOVATIVE  
LASER RADAR  
TECHNOLOGY**

# REVOLUTIONARY MEASUREMENT TECHNOLOGY

**SURPASS THE LIMITATIONS OF TRADITIONAL METROLOGY SYSTEMS**

Genesis Laser Metrology solutions are an innovative answer to the typical productivity constraints of inspection processes. This new technology delivers results in repetitive, complex, hard-to-reach, delicate and labor-intensive inspection tasks, particularly for large scale applications.



- ✓ **PRODUCT DESIGN CONSULTATION**
- ✓ **PROCESS DEVELOPMENT**
- ✓ **TURNKEY SOLUTION FULFILLMENT**



## **LASER SOLUTIONS**

**Leveraging advanced technologies and expertise  
to provide leading laser solutions.**

After more than 35 years, Genesis remains at the forefront of robotic integration for manufacturing automation, going above and beyond to provide solutions that help our customers win the productivity race.

**Let us show you how.**

**(563) 445-5600**

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