

National Institute Of Standards And Technology

Introduction

This case study of National Institute of Standards and Technology is based on a November 2017 survey of Hexagon Manufacturing Intelligence customers by TechValidate, a 3rd-party research service.



“The Leica Absolute Tracker has given me more insight and confidence in my manufacturing process.””

“Easy to set up and technician-friendly ”

Challenges

The business challenges that led the profiled organization to evaluate and ultimately select Hexagon Manufacturing Intelligence:

- Faced the following challenges in their inspection process before partnering with Hexagon Manufacturing Intelligence:
 - Ensuring that dimensional stability requirements and quality specifications were met
 - Comparing CAD models to as-built assemblies
 - Aligning parts for assembly
 - Reverse engineering parts and components
- Evaluated the following vendor before choosing the Leica Tracker:
 - FARO

Use Case

The key features and functionalities of Hexagon Manufacturing Intelligence that the surveyed organization uses:

- Agrees that the Leica Absolute Tracker was their first choice when choosing a portable laser tracker solution.

Results

The surveyed organization achieved the following results with Hexagon Manufacturing Intelligence:

- Chose a Leica Absolute Tracker for the following reasons:
 - Ease of use
 - Superior training and support
 - Portability
- Agrees that it was extremely easy to learn how to use the Leica Tracker as compared to similar products.
- Leica Tracker features that enabled a reduction in the amount of time dedicated to inspection tasks:
 - Six degrees of freedom (6DoF) probing capabilities
 - Hot-swappable battery power supply
- Increased productivity at their facility by 30-39% after using their Leica Tracker.
- Saw a return on their investment in 4-6 months after using their Leica Tracker.

Organization Profile

Organization:
National Institute of Standards and Technology

Organization Size:
Federal

Industry:
Government

About Hexagon Manufacturing Intelligence

Hexagon Manufacturing Intelligence helps industrial manufacturers develop the disruptive technologies of today and the life-changing products of tomorrow.

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