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A Deeper Understanding of Parts for Quality's Sake

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ABSTRACT FOR CMSC 2021 CALL FOR SPEAKERS

Submitted by Hexagon's Manufacturing Intelligence division

TITLE: **A Deeper Understanding of Parts for Quality's Sake**

SPEAKERS: **François Mainguy, PRAGMA NDT, President & CEO**
Brian Winters, Hexagon MI, Product Manager - Absolute Arms

ABSTRACT: Imagine rapidly scanning a part, looking at its internal properties and determining if it is good or bad – all before machining it. Envision the quality assurance potential with this level of data and intelligence. The mashup of two tried and true technologies - non-destructive testing (NDT) and portable scanning arms - has evolved into a completely new approach to inspection and dimensional control.

Portable measuring arms are used extensively in the manufacturing environment for on-demand measurement and inspection. Their ability to instantly adapt to applications as a measure-ready tool without the need for re-calibration is the reason for their industry adoption. The integration of an NDT sensor with this portable device has important wide-ranging possibilities for manufacturing, engineering, and scientific applications.

In the presentation, you will learn how to:
- Achieve better parts combining scanning data with NDT analysis
- Pinpoint the positioning of flaws and defects in a part before it becomes critical
- Apply various NDT sensors to part analysis at different stages in the manufacturing processes

ABOUT HEXAGON's MANUFACTURING INTELLIGENCE DIVISION

Hexagon is a global leader in sensor, software and autonomous solutions. We are putting data to work to boost efficiency, productivity, and quality across industrial, manufacturing, infrastructure, safety, and mobility applications.

Hexagon's Manufacturing Intelligence division provides solutions that utilize data from design and engineering, production and metrology to make manufacturing smarter. For more information, visit hexagonmi.com.

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