Phillip Lewis
Marketing Manager
Metrology Devices
Hexagon

Bryan Balch
Sales Engineer
Portable Arm & Automated Measurement Systems
Hexagon
Hexagon’s global reach in manufacturing
A vast and talented technology support and development network

- **Americas**: 28%
- **ASIA**: 40%
- **EMEA**: 32%

- Over 8,000 employees
- 10% of net sales invested in R&D
- Reached ~€1.4bn sales in 2020
- 10,000 devices shipped in 2020
- Over 2,800+ software developers and engineers
Global manufacturing runs on Hexagon
Every year, Hexagon technology supports the development and production of...

- **95%** of all cars produced
- **90%** of all aircraft produced
- **75%** of all smartphones produced
- **80%** of orthopedic implants produced

We help our customers shape the future of products and services in all industries.
A portfolio dedicated to optimising manufacturing workflows

From first concept to final product

**Design and engineering**
- Optimise designs
- Ensure manufacturability
- Reduce prototypes
- Accelerate innovation

**Production**
- Maintain design intent
- Improve process efficiency
- Reduce waste and rework
- Ensure reliable product delivery

**Metrology and inspection**
- Capture real-world data
- Validate process capability
- Manage product quality
- Iterate and improve for the future

**Feedback and improvement**
Hexagon helps toe the line while pushing the envelope at Hendrick Motorsports
Hexagon Absolute Arm: **Product range**

The Absolute Arm configurations

**Absolute Arm Compact**
- Very high accuracy | Small size
- Measurement of small parts or tight spaces
- Two accuracy levels: 83 and 85

**Absolute Arm 6-axis**
- Tactile probe measurement
- Three accuracy levels: 83, 85 and 87

**Absolute Arm 7-axis**
- Scanning and tactile probe measurement
- Three accuracy levels: 83, 85 and 87

Green | Blue | Chrome
Hexagon Absolute Arm: Product range

- The Absolute Arm is available in 7 different lengths to suit your measurement needs (accuracy, portability, cost, time-to-measure and so on).
- The lengths correspond to the **spherical diameter** of the measurement volume of each arm.

<table>
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<th>Low-Cost (83 SERIES / Green)</th>
<th>Mid-Range (85 SERIES / Blue)</th>
<th>Highest Accuracy (87 SERIES / Chrome)</th>
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<tr>
<td><strong>83 6-axis</strong></td>
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Inspire

One simple interface for probing and scanning

Built for users working on simple tasks to complex projects.

Powerful CAD capabilities – supports PMI (product manufacturing information)
Absolute Scanner 1 eXtra Large is a non-contact laser scanner which enables the measurement of large surfaces and cavities at very high speed and quality.

Just like the AS1, AS1-XL can be used from laboratory room to manufacturing shopfloor and can be combined with multiple devices.
EXTRA large
The innovative modularity of the Absolute Scanner, offer cross-platform compatibility with Portable Measuring Arm & Absolute Laser Tracker, for any scanning task.
Handheld for Arms
For medium size objects

Handheld for Laser Trackers
For large objects

Automation for Laser Trackers
For multiple part inspection
The innovative modularity of the **Absolute Scanner**, offer cross-platform compatibility with Portable Measuring Arm & Absolute Laser Tracker, for any scanning task.
For More Information

**Absolute Arm:** [Hexagon Portable CMM]

**Absolute Laser Tracker:** [Hexagon Laser Trackers]

**AS1 Laser Scanner:** [Hexagon AS1 Absolute Scanner]

**AS1-XL Laser Scanner:** [Hexagon AS1-XL Absolute Scanner]

**Inspire Software:** [Hexagon Portable Metrology Inspection Software]