HEXAGON

Editorial notes:

The future of predictive maintenance

Last month's HxGN Live event in Las Vegas was an incredible opportunity to explore the future of the manufacturing industry. With discussions on AI, machine learning, and the autonomous future, the event offered a glimpse into the technologies shaping tomorrow. If you missed it, we encourage you to check out the main keynotes here:

• Beyond Measure – Unlocking the next generation of true autonomy   **• The Age of Intelligence**

Since this is an aftermarket-focused newsletter, I'd like to shift the spotlight to predictive maintenance – a concept that's becoming increasingly relevant across many industries, including manufacturing. Imagine if you were able to identify how to optimize your devices' performances or know exactly when a device needs services before something goes wrong; in other words, "predictive maintenance" vs. "reactive maintenance."

While this may sound like science fiction, Hexagon is making strides to turn it into reality.
Several exciting innovations unveiled in Las Vegas hint at a clear path toward smarter, more proactive and dynamic service solutions. Here are two standout examples:

• NextGen Metrology device – MAESTRO
MAESTRO isn't just another coordinate measuring machine (CMM); it's a game-changer. With its seamless motion, rapid calibration capabilities, and intelligent automation, MAESTRO ensures your quality processes stay on schedule, every time. What truly stood out, however, is its connectivity. In today's landscape, quality and innovation depend entirely on connectivity, which means putting data to work to drive continuous improvements. MAESTRO offers real-time monitoring and advanced analytics to help you make smarter decisions about the health and maintenance of your device. MAESTRO is a fully digital system that turns isolated inspections into a connected and collaborative process.

• Environmental sensing technology – PULSE 2.0
While the PULSE isn't new, PULSE 2.0 takes sensing technology to the next level. It offers enhanced capabilities at an accessible price point and can be easily installed on most Hexagon CMMs already in use. By monitoring factors like temperature, humidity, and collisions, PULSE 2.0 provides critical insights into your device's operating environment, reducing the risks of unnoticed events that could make measurement results unreliable.

Now, imagine combining these capabilities. A device that can report its status and component health – without sharing any measurement or proprietary data – paired with a monitoring sensor like PULSE 2.0. Add in a platform to collect, analyze, and act on this data, and you have a predictive maintenance solution that allows you to focus on what you do best: manufacturing.

Is your organization ready for this future? Is your IT team aware of the innovations transforming the service landscape? **We'd love to hear about your challenges** and explore how we can help you address them, including demonstrating the solutions presented at HxGN LIVE 2025. Let's shape the future of service together!

Best,
Amir Grinboim