



MEDIA RELEASE

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Hexagon Announces New Flagship Absolute Arm Range

The Absolute Arm Range of Portable Measuring Arms Undergoes Its Biggest Modernisation in a Decade

Eight years after the launch of the first ROMER Absolute Arm, Hexagon's Manufacturing Intelligence division has unveiled its new Absolute Arm range. A ground-up redesign has seen one of the world's most recognisable portable measuring arms modernised to meet the needs of today's metrology users, with a key focus on improved usability and versatility without compromising on speed and accuracy.

A standout feature of the new Absolute Arm is its modular wrist design. This allows both the RS5 Laser Scanner and the pistol grip to be completely removed, facilitating easy probing in tight spaces. When reattached for laser scanning applications, a variety of grip sizes are available to ensure a perfect fit for every user. The new wrist also now features a display screen that allows for measurement result oversight, profile switching and calibration right at the point of measurement, reducing time spent switching attention between the arm and its control computer.

"Over the last eight years we've received a lot of positive and constructive customer feedback, and hopefully people will see how this has informed our design," says Anthony Vianna, Product Manager for the Absolute Arm range. "Many customers told us they needed to measure in smaller and smaller spaces, like cavities or inside complex fixtures, and it was that sort of direct-from-the-user intelligence that drove us to create the most compact scanning configuration on the market today.

"We examined everything about the arm: how people were using it; how users measure different parts; how they move their arm around their facility; how the arm communicates with them; how to make the arm more serviceable. And that process is what brought us to where we are today – with a new arm that offers improvements in every single area, across accuracy, speed, efficiency, weight, serviceability and versatility."

This new Absolute Arm range retains all the features that made the previous generation of ROMER Absolute Arm systems so successful. These include the proprietary Absolute Encoders that eliminate referencing and warm-up times and diagnostic reporting, as well as low-friction rotating grips and a unique counterweight system that facilitate easy movement and measurement. Also notably still present is the capacity to measure at full speed without a reduction in accuracy.





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The new Absolute Arm models are also available in a 6-axis version designed for dedicated probing applications. Within this category is the new Absolute Arm Compact, which assumes position of the previous ROMER Absolute Arm Compact as the most accurate portable measuring arm in the world, with accuracy now to within just 6 microns. The full Absolute Arm range is available across seven sizes, with measurement radiuses from 1.2 to 4.5 metres, and three levels of accuracy, resulting in 36 unique arm configurations – an arm for every application.

The complete Absolute Arm range is now available to order from local Hexagon representatives around the world, with the first units shipping in September.

About Hexagon's Manufacturing Intelligence Division

Hexagon's Manufacturing Intelligence division helps industrial manufacturers develop the disruptive technologies of today and the life-changing products of tomorrow. As a leading metrology and manufacturing solution specialist, our expertise in sensing, thinking and acting – the collection, analysis and active use of measurement data – gives our customers the confidence to increase production speed and accelerate productivity while enhancing product quality.

Through a network of local service centres, production facilities and commercial operations across five continents, we are shaping smart change in manufacturing to build a world where quality drives productivity. For more information, visit HexagonMI.com.

Hexagon is a global leader in digital solutions that create Autonomous Connected Ecosystems (ACE). Hexagon (Nasdaq Stockholm: HEXA B) has approximately 18,000 employees in 50 countries and net sales of approximately 3.5bn EUR. Learn more at hexagon.com and follow us [@HexagonAB](https://twitter.com/HexagonAB).