

## Breakthrough FARO® 8-Axis FaroArm® Sets New Standard

August 7, 2018

### Real Time Part Rotation Accelerates Inspection and Design Workflows

LAKE MARY, Fla., Aug. 7, 2018 /PRNewswire/ -- FARO® (NASDAQ: FARO), the world's most trusted source for 3D measurement and imaging solutions for factory metrology and product design introduces the FARO 8-Axis FaroArm® system. After more than 30 years of continuous innovation in portable measurement arms, FARO® once again drives the industry forward. This comprehensive, solution combines either the portable Quantum FaroArm®, Quantum ScanArm® (<https://www.faro.com/faroarm>) or Design ScanArm® (<https://www.faro.com/dsa>) portfolio products with a functionally integrated, yet physically separate, 8<sup>th</sup> axis.



The 8<sup>th</sup> axis is a complete rotational axis identical to and a natural extension of all FaroArm® products. It plugs directly into the FaroArm® and results in a seamlessly integrated, high accuracy additional axis that requires no additional setup time or effort. Moreover, unlike a turntable, the 8<sup>th</sup> axis is completely transparent to the measurement software, so no software updates or upgrades are needed.

This innovative functionality enables the part to be rotated in real time relative to the Arm versus requiring the Arm to be moved around the part. As a result, it is not only easier to scan and measure typically harder to reach areas, but also both measurement time and human measurement error are dramatically reduced since the part itself rests on a stable, consistent platform.

The 8-Axis system is ideal for addressing a range of non-contact measurement and design challenges, including point cloud comparison with CAD, rapid prototyping, reverse engineering, and 3D modeling of free-form surfaces.

To request additional information and learn more about our web demonstration options, please visit: <https://www.faro.com/8-axis-info-request/>.

#### **Faster Scanning with Higher Confidence**

The extended reach of this system via the easy to use part rotation functionality allows the user to scan, measure and digitize features on both small and large parts with a single Arm position. As a result, this process *is up to 40% faster* relative to a standard 7-Axis Arm system.

#### **Improved Operator Effectiveness**

The operator is now able to focus with minimal distraction on the actual scan or measurement of the part since reaching around the part is no longer required. Also, this allows complex objects to be digitized, not only faster, but also more comprehensively.

#### **Expedited Post-Processing Activities**

Due to reduced need to move the Arm to different positions around the part or move the part itself into several positions in order to capture all necessary features, a minimum number of scans need to be aligned. As a result, post processing activities are both simplified and completed faster.

"We are excited about the 8-Axis system as another FARO first, which enables a new standard for both inspection and design efficiency," stated Simon Raab, Ph.D., FARO's President and CEO. "Based on our engagements over the last two years with both inspection and 3D design professionals, we are confident that we are uniquely addressing their core pain points including speed and productivity, ease of use and end to end cycle time in the most creative and easy to implement manner."

#### **About FARO**

FARO is the world's most trusted source for 3D measurement, imaging and realization technology. The Company develops and markets computer-aided measurement and imaging devices and software for the following vertical markets:

- Factory Metrology - High-precision 3D measurement, imaging and comparison of parts and complex structures within production and quality assurance processes
- Construction BIM - 3D capture of as-built construction projects and factories to document complex structures and perform

quality control, planning and preservation

- Public Safety Forensics - Capture and analysis of on-site real world data to investigate crash, crime and fire, plan security activities and provide virtual reality training for public safety personnel
- Product Design - Capture detailed and precise 3D data from existing products permitting CAD analysis and redesign, after market design and legacy part replication
- 3D Machine Vision - 3D vision for both control and measurement to the manufacturing floor through 3D sensors and custom solutions

FARO's global headquarters is located in Lake Mary, Florida. The Company's European regional headquarters is located in Stuttgart, Germany and its Asia-Pacific regional headquarters is located in Singapore. FARO has other offices in the United States, Canada, Mexico, Brazil, Germany, the United Kingdom, France, Spain, Italy, Poland, Turkey, the Netherlands, Switzerland, India, China, Malaysia, Thailand, South Korea, Japan, and Australia.

*This press release contains forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995 that are subject to risks and uncertainties, such as statements about demand for and customer acceptance of FARO's products, and FARO's product development and product launches. Statements that are not historical facts or that describe the Company's plans, objectives, projections, expectations, assumptions, strategies, or goals are forward-looking statements. In addition, words such as "is," "will" and similar expressions or discussions of FARO's plans or other intentions identify forward-looking statements. Forward-looking statements are not guarantees of future performance and are subject to various known and unknown risks, uncertainties, and other factors that may cause actual results, performances, or achievements to differ materially from future results, performances, or achievements expressed or implied by such forward-looking statements. Consequently, undue reliance should not be placed on these forward-looking statements.*

*Factors that could cause actual results to differ materially from what is expressed or forecasted in such forward-looking statements include, but are not limited to:*

- *development by others of new or improved products, processes or technologies that make the Company's products less competitive or obsolete;*
- *the Company's inability to maintain its technological advantage by developing new products and enhancing its existing products;*
- *declines or other adverse changes, or lack of improvement, in industries that the Company serves or the domestic and international economies in the regions of the world where the Company operates and other general economic, business, and financial conditions; and*
- *other risks detailed in Part I, Item 1A. Risk Factors in the Company's Annual Report on Form 10-K for the year ended December 31, 2017 and in Part II, Item 1A. Risk Factors in the Company's Quarterly Report on Form 10-Q for the quarter ended March 31, 2018.*

*Forward-looking statements in this release represent the Company's judgment as of the date of this release. The Company undertakes no obligation to update publicly any forward-looking statements, whether as a result of new information, future events, or otherwise, unless otherwise required by law.*

More information is available at <http://www.faro.com>







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