

10<sup>th</sup> June, 2020

## R&D Multiples commissions the FARO CMM

We are glad to inform that we have recently commissioned the FARO Quantum E V2 2.5m - 7 Axis machine, which is considered one of the world’s most advanced portable co-ordinate measuring machines (CMM). This will almost exclusively be used for the manufacturing of our high-performance triple offset butterfly valves range, in which conventional tools of measurements are often found lagging. We estimate that we will be able to cut our manufacturing lead times by >50% and avoid costly re-work / rejections for this valve type, and in-turn pass on these benefits to our customers.



In the future, the commissioning of this machine also gives us the ability to conduct verification of any product quality by performing 3D inspections, tool certifications, CAD comparison, dimensional analysis as well as reverse engineering. If you are visiting our facility for an inspection or for any other reason in the near future, request your R&D contact in advance to arrange for a demonstration!

Contact Measurement (Arm)*					
Measurement Range: Quantum V2	7 Axis				
	SPAT <sup>1</sup>	E <sub>UNI</sub> <sup>2</sup>	P <sub>SIZE</sub> <sup>3</sup>	P <sub>FORM</sub> <sup>4</sup>	L <sub>DIA</sub> <sup>5</sup>
2.5m (8.2ft)	0.035mm (0.0014in)	0.046mm (0.0018in)	0.020mm (0.0008in)	0.040mm (0.0016in)	0.055mm (0.0022in)

Note: All values represent MPE (maximum permissible error); \*Contact Measurement (Arm): In accordance with ISO 10360-12; <sup>1</sup>SPAT – Single Point Articulation Test; <sup>2</sup>E<sub>UNI</sub> – Distance Error between two points comparing measured versus nominal values; <sup>3</sup>P<sub>SIZE</sub> – Sphere Probing Size Error comparing measured versus nominal values; <sup>4</sup>P<sub>FORM</sub> – Sphere Probing Form Error; <sup>5</sup>L<sub>DIA</sub> – Sphere Location Diameter Error (Diameter of the spherical zone containing the centers of a sphere measured from multiple orientations); Source: FARO technical data-sheet



## **R&D Multiples (Metal-Cast) Pvt. Ltd**

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### **About R&D Multiples:**

We are one of the leading manufacturers of valves used in a variety of industrial applications in multiples countries over the globe. Founded over 3 decades ago, we have developed a wide product range over the years. We make valves up-to 3.6 meters size & 40 bar pressure ratings. A wide variety of operators & actuators as drives & many accessories are also offered to make the valve versatile & user friendly. The materials offered to suit customer specifications range from Cast Iron, Carbon Steel, Stainless steel & other corrosion resistant/ high strength alloys.

For more details please visit our website [www.rdmultiples.com](http://www.rdmultiples.com). For enquiries, please write to us at [mumbai@rdmultiples.com](mailto:mumbai@rdmultiples.com).