

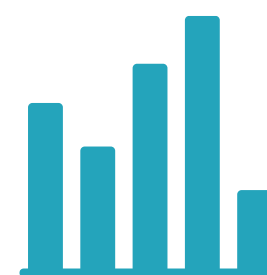
## **Areal Surface Measurement System (ASM)**

The ASM is Taraz's most advanced blue-light fringe projection system engineered for surface and topography measurements. Whether you require off-line or in-line solutions, ASM delivers precision and efficiency across a range of industries including automotive, coatings, additive manufacturing and aerospace.

### **Key Features**



**Fast and tunable 3D measurements of metal, polymers and composite surfaces**



**Surface analyses suite, in accordance with ISO-25178 standard**



**Full measurement traceability, adhering strictly to the NPL measurement guidelines**



**In-line integration and bespoke metrology software tailored for customers' parts**

## **Contact Us**



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## Areal Surface Measurement System (ASM)



The ASM optical unit

ASM version	Standard-resolution ASM	Higher-resolution ASM	Wide-field ASM
Point cloud resolution	70 $\mu\text{m}$	10 $\mu\text{m}$	400 $\mu\text{m}$
Measurement area	255 mm x 174 mm	70 mm x 50 mm	1200 mm x 800 mm
Cycle time (capturing)	2 seconds	2 seconds	2 seconds
Cycle time (point cloud generation)/PC dependant	6 seconds	6 seconds	6 seconds

Global Specifications	Value
Operating temperature	22 $^{\circ}\text{C}$ - 30 $^{\circ}\text{C}$
Portability	Available
Output File	Point Cloud (.ply)
Measurement Noise	2 $\mu\text{m}$

The ASM gantry metrology frame for higher vibration resistance



The ASM bench top metrology frame



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