

ACCUARM

Scanology's AccuArm is a Portable Coordinate Measuring Machine (PCMM) engineered for precise measurement and inspections in demanding conditions.

Thanks to its aerospace-grade carbon-fiber structure, high-precision encoders and intuitive operation, it delivers consistent results with the flexibility to measure anywhere — in the metrology lab or on the production floor.

Arm+ | The Expandable Measurement Solution

Pair the arm with SCANOLGY's handheld 3D scanners, optical 3D scanning systems, or photogrammetry systems for a complete, unified measurement solution on DefinSight.

Seamlessly Integrate with Any System

Works with our in-house developed DefinSight 3D Software and mainstream inspection systems such as PolyWorks, Metrolog X4, Verisurf — no extra setup needed.

Smart Algorithms

Automated thermal compensation : Real-time thermal compensation for both measuring arm and part in on-site measurement.

Multi-frame optimization : Reduces random error and boosts point-measurement confidence.

Automated force compensation : Automatically adjusts for probe pressure and orientation changes.

ISO 10360-12 Certified

The AccuArm is certified for accuracy to the ISO 10360-12 standard. It delivers high accuracy with consistent performance in almost any environments, enabling confident decisions in inspection and assembly.

Built for High-demanding Measurements

Handle everything from complex geometries to precision components with ease. Count on stable, high-accuracy measurements that fulfill the stringent requirements of industrial manufacturing.

Move and Measure with Ease

Lightweight and portable, designed for single-person operation. Carry, set up, and work seamlessly from the lab to on-site.



Technical Specifications

Type	Working Range	6-Axis					7-Axis				
		SPAT	EUNI	PFORM	PSIZE	LDIA	SPAT	EUNI	P FORM	P SIZE	LDIA
S	1.5m	0.012	0.021	0.012	0.007	0.024	0.015	0.023	0.018	0.008	0.038
	2m	0.016	0.022	0.015	0.008	0.029	0.018	0.023	0.019	0.010	0.041
	2.5m	0.018	0.024	0.018	0.009	0.031	0.020	0.026	0.022	0.011	0.045
	3m	0.026	0.037	0.025	0.012	0.044	0.032	0.046	0.032	0.016	0.070
	3.5m	0.036	0.051	0.033	0.016	0.059	0.043	0.056	0.038	0.020	0.090
	4m	0.045	0.062	0.037	0.020	0.075	0.054	0.072	0.043	0.026	0.112
	4.5m	0.055	0.078	0.050	0.028	0.101	0.065	0.093	0.065	0.036	0.132
E	1.5m	0.018	0.025	0.016	0.009	0.028	0.020	0.024	0.020	0.011	0.043
	2m	0.020	0.026	0.018	0.010	0.032	0.022	0.030	0.022	0.012	0.047
	2.5m	0.023	0.028	0.021	0.012	0.036	0.026	0.031	0.024	0.013	0.050
	3m	0.034	0.040	0.030	0.015	0.050	0.042	0.052	0.034	0.020	0.072
	3.5m	0.043	0.054	0.037	0.019	0.064	0.055	0.065	0.042	0.024	0.092
	4m	0.052	0.064	0.043	0.023	0.081	0.065	0.082	0.048	0.029	0.118
	4.5m	0.061	0.087	0.078	0.038	0.108	0.073	0.097	0.082	0.043	0.137
C	1.5m	0.028	0.036	0.029	0.015	0.038	0.030	0.040	0.035	0.020	0.048
	2m	0.030	0.040	0.035	0.018	0.041	0.035	0.045	0.040	0.025	0.052
	2.5m	0.035	0.044	0.038	0.020	0.050	0.040	0.049	0.045	0.030	0.058
	3m	0.055	0.064	0.047	0.028	0.078	0.060	0.069	0.049	0.035	0.089
	3.5m	0.075	0.079	0.057	0.035	0.096	0.080	0.084	0.064	0.040	0.113
	4m	0.090	0.098	0.067	0.044	0.114	0.095	0.103	0.074	0.050	0.138
	4.5m	0.112	0.118	0.086	0.048	0.128	0.115	0.123	0.095	0.055	0.158



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