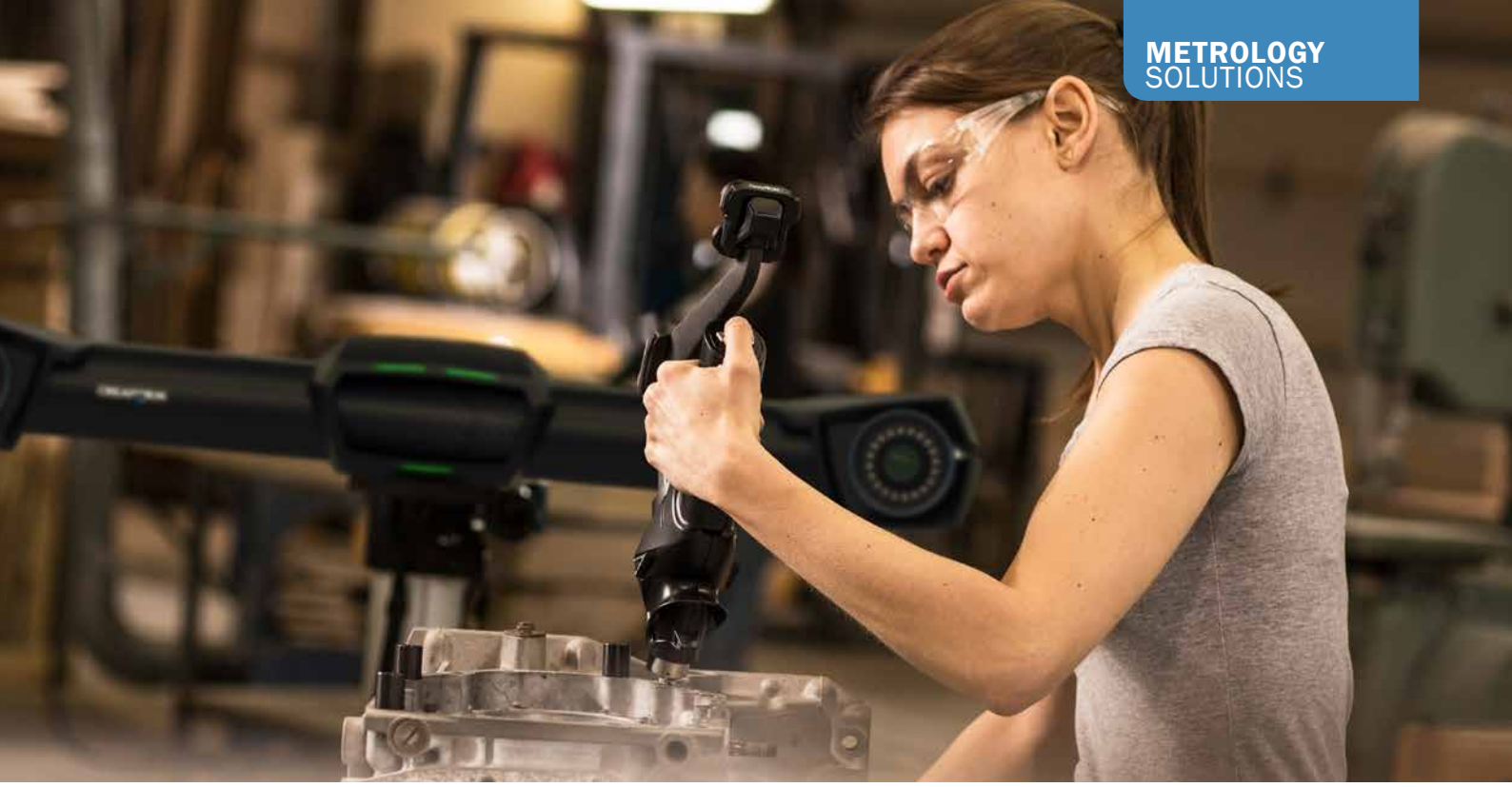


METROLOGY
SOLUTIONS

HandyPROBE™

THE PORTABLE CMM FOR THE SHOP FLOOR

The HandyPROBE™ line-up is a portable optical CMM specifically designed for use on the shop floor.

Due to its metrology-grade accuracy and dynamic referencing capability, the HandyPROBE delivers precise results, regardless of the measurement setup quality, the instabilities of the environment, and the user's experience level.

Since it does not require any rigid measurement setup, the part, optical tracker, or wireless probe can be moved freely at any time during the measurement sequence, adding simplicity to the process.

Because its measurement volume is flexible, it can be extended easily and dynamically without significant loss in accuracy, which comes with conventional leapfrog. In addition, the HandyPROBE can measure geometrical entities on parts of any size directly on the production floor.

ACCURACY

Dynamic referencing: Optical reflectors are used to create a reference system that is "locked" to the part itself, so accuracy is optimized for shop floor conditions.

Reliable acceptance test: Because the acceptance test follows the ISO 10360-12 standard and is ISO 17025 accredited, the HandyPROBE delivers accurate results, regardless of the measurement setup quality.

PORTABILITY

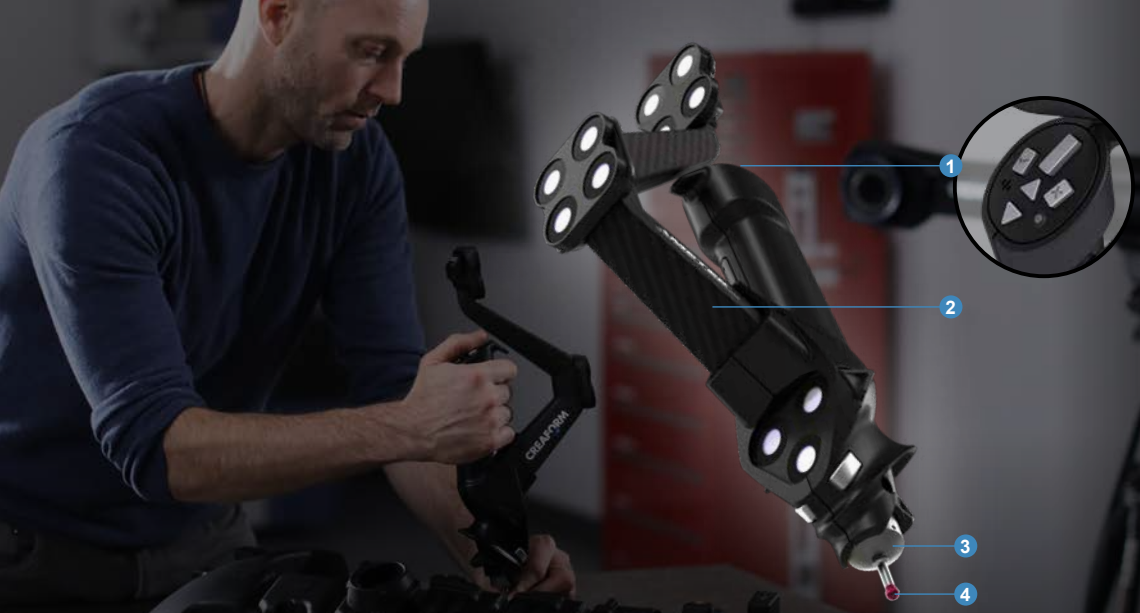
Arm-free system: Because there is no physical link between the probe and the system, the HandyPROBE can be easily brought to wherever the part is. The portable system can also measure objects of any size for maximum versatility.

SIMPLICITY

No rigid setup required: The part, optical tracker, and wireless probe can all be moved freely at any time during measurement in a wide and easily extendable measurement volume for maximum simplicity.

CREAFORM

AMETEK®
ULTRA PRECISION TECHNOLOGIES



1. **Multi-function buttons for easier interaction with the software**
2. **Sturdy design for shop floor hardware reliability**
3. **Smart probe adapter for easy, autorecognition tip changes**
4. **Instant measurement**

TECHNICAL SPECIFICATIONS

Innovating technology that provides accuracy, simplicity, portability as well as real speed to your metrology-grade applications.

		HandyPROBE Next™	HandyPROBE Next™|Elite
ACCURACY (1)		0.030 mm	0.025 mm
VOLUMETRIC ACCURACY (1)	9.1 m^3	0.086 mm	0.064 mm
	16.6 m^3	0.122 mm	0.078 mm
VOLUMETRIC ACCURACY (with MaxSHOT 3D or C–Link) (2)	MaxSHOT Next™	0.060 mm + 0.025 mm/m	0.044 mm + 0.025 mm/m
	MaxSHOT Next™|Elite	0.060 mm + 0.015 mm/m	0.044 mm + 0.015 mm/m
MEASUREMENT RATE		80 measurements/s	
PART SIZE RANGE (recommended)		0.2–6 m	
SOFTWARE		VXelements	
WEIGHT		Probe: 0.5 kg C-Track: 5.7 kg	
DIMENSIONS (LxWxH)		Probe: 68 x 157 x 340 mm C-Track: 1031 x 181 x 148 mm	
OPERATING TEMPERATURE RANGE		5–40°C	
OPERATING HUMIDITY RANGE (non-condensing)		10–90%	
CERTIFICATIONS		EC Compliance (Electromagnetic Compatibility Directive, Low Voltage Directive), compatible with rechargeable batteries (when applicable), IP50, WEEE	
PATENTS		FR 2,838,198, EP (FR, UK, DE, IT) 1,492,995	

(1) HandyPROBE Next and HandyPROBE Next|Elite performance assessment (ISO 17025 accredited) is based on partial procedure per ISO 10360-12 standard: *Probing size error* (6.2) and *Length error* (6.4). Performance is assessed on traceable sphere and length artefacts.

(2) The volumetric accuracy of the system when using a MaxSHOT 3D cannot be superior to the default accuracy for a given model.

CREAFORM

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