

ROMER ABSOLUTE ARM COMPACT

The compact portable measuring arm for shop-floor use



ACCURACY FOR EVEN THE SMALLEST OF JOBS

The ROMER Absolute Arm Compact is a high-accuracy portable coordinate measuring machine (CMM) that brings total mobility to high-tolerance 3D measurement applications on the shop floor.

Featuring industry-proven technology from the ROMER Absolute Arm range, the ROMER Absolute Arm Compact is perfect for measuring small to medium parts. With a measurement volume of up to 1.2 metres and a choice of certifications available, the ROMER Absolute Arm Compact has been designed to give reliable results in tight spaces. A faster and more accurate alternative to manual measurement tools, it is versatile and the perfect complement to stationary CMM equipment.

ROMER Absolute Arm Compact at a glance

- Absolute encoders and haptic feedback
- Repeatable and automatic probe recognition means no calibrations
- Integrated work light and camera
- Freestanding or fixed mounting
- Runs with all major metrology software packages
- Wi-Fi and battery operation
- Compatible with the full range of ROMER Absolute Arm probes and accessories

Industries

- Precision machining
- Casting and forging
- Tooling and dies
- Plastic parts
- Medical
- Automotive and aerospace

Applications

- On-machine verification
- Machined part inspection
- Fixture positioning
- CAD-to-part comparison
- Part alignment and setup
- In-process quality checks
- Digitising
- Build and inspect





Features and benefits

Portable and quick to set up

Equipped with a removable counterweight, the ROMER Absolute Arm Compact can be used almost anywhere without special fixtures or mountings. Simply place on a work surface and it's ready to go. The class-leading absolute encoders mean that unlike traditional portable CMMs it does not require any referencing – just switch it on and measure. Compatibility with ROMER Absolute Arm feature packs also allow wireless battery operation, making this the ideal package for measuring on the move.

Easy to use with minimal training

Designed for usability and low operator fatigue, the wrist features an integrated work light and a camera to record setups. Haptic feedback warns users when an axis limit is reached to eliminate any risk of bad measurements. Automatic probe recognition ensures repeatable results for different probes without calibration, while wireless communication guarantees an easy connection.

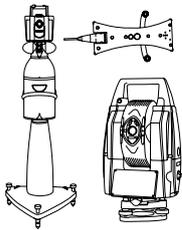
More accurate measurement, more quickly

The ROMER Absolute Arm Compact is optimised for high-precision, small-volume measurements. More convenient than traditional measuring tools and far less prone to human error, it enables operators to check and recheck readings in a fraction of the time.

Available with ISO 10360-2 or B89.4.22 certification, the ROMER Absolute Arm Compact is also easy to integrate into your quality control process.

Specifications

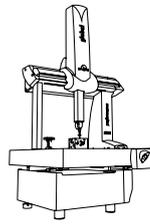
Model	Measuring volume	Arm weight	ISO 10360-2	
			MPE _p	MPE _e
RA7312	1.2 m	10.2 kg	8 µm	5+L/40 ≤18 µm
RA7512	1.2 m	10.8 kg	6 µm	5+L/65 ≤15 µm



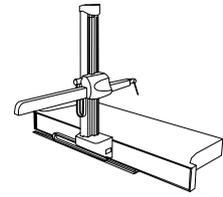
LASER TRACKERS & STATIONS



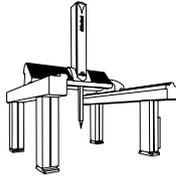
PORTABLE MEASURING ARMS



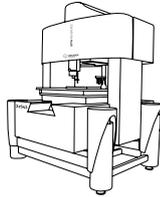
BRIDGE CMMs



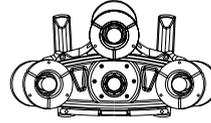
HORIZONTAL ARM CMMs



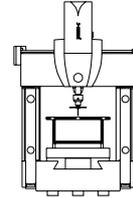
GANTRY CMMs



MULTISENSOR & OPTICAL SYSTEMS



WHITE LIGHT SCANNERS



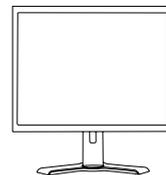
ULTRA HIGH ACCURACY CMMs



SENSORS



PRECISION MEASURING INSTRUMENTS



SOFTWARE SOLUTIONS



Hexagon Metrology offers a comprehensive range of products and services for all industrial metrology applications in sectors such as automotive, aerospace, energy and medical. We support our customers with actionable measurement information along the complete life cycle of a product – from development and design to production, assembly and final inspection.

With more than 20 production facilities and 70 Precision Centres for service and demonstrations, and a network of over 100 distribution partners on five continents, we empower our customers to fully control their manufacturing processes, enhancing the quality of products and increasing efficiency in manufacturing plants around the world.

For more information, visit www.hexagonmetrology.com

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Many thanks to Swiss Neutronics for their valuable contribution with the photos.