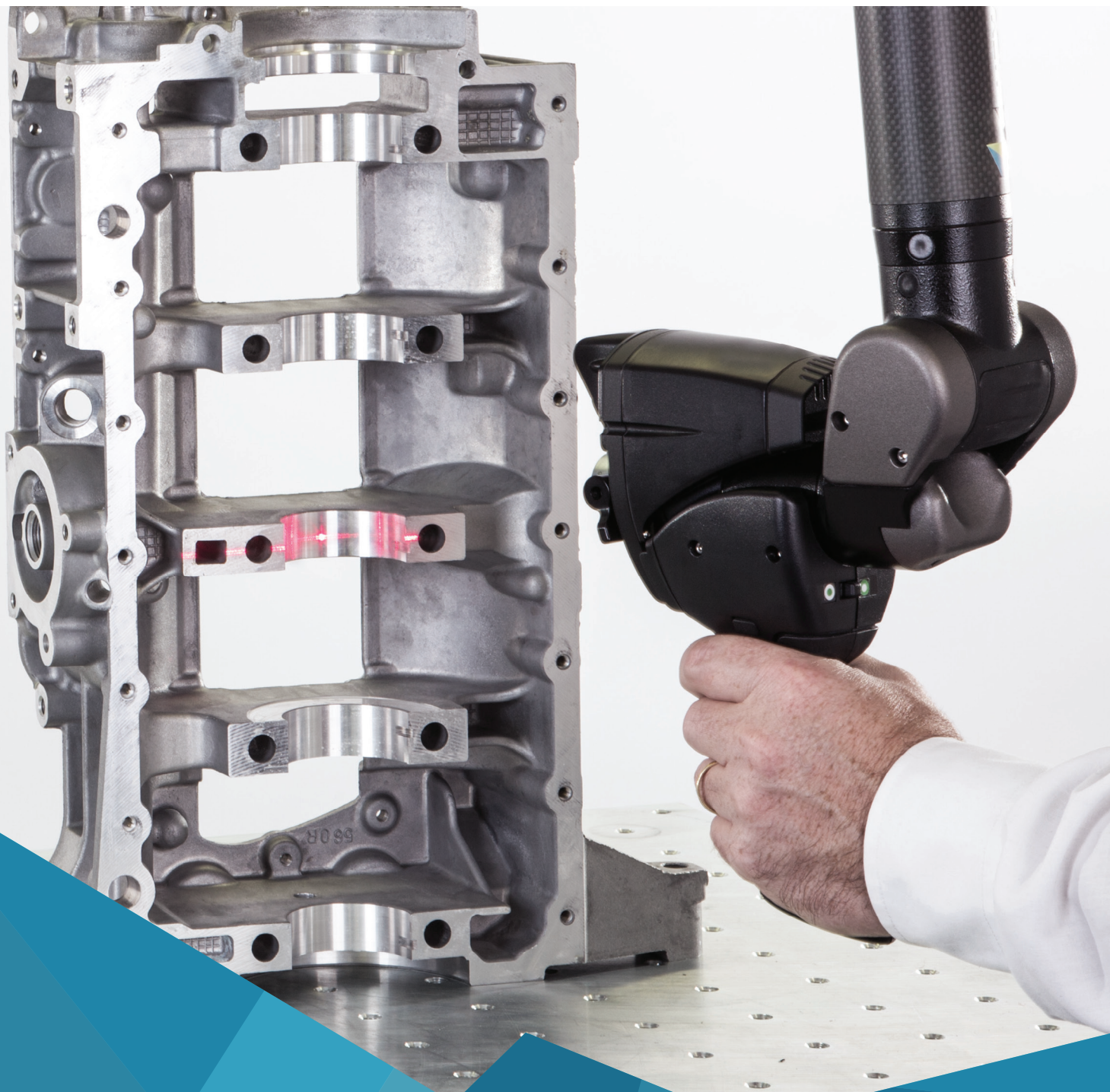# ROMER ABSOLUTE ARM 77 SERIES
THE MOST ACCURATE ROMER ABSOLUTE ARM EVER

MEASURABLY BETTER

The 77 Series of the ROMER Absolute Arm is the most accurate portable measuring arm that Hexagon Manufacturing Intelligence has ever produced. Featuring new enhancements to the proven ROMER Absolute Arm series, it offers best-in-class performance for both touch probe and laser scanning measurements.

Offering around 20% better scanning accuracy and 15% better touch-probing accuracy than the 75 Model ROMER Absolute Arm, the 77 Series is essential for high-end measurement applications.

At A Glance

- Available in 6- or 7-axis models; 6-axis is ideal for touch-probe measurement, while 7-axis is more suited for use with high-speed laser scanning

- Available in five sizes to offer the right arm, whatever the part

- Compatible with all Hexagon laser scanners, including HP-L-20.8, HP-L-8.9 and the RS3 integrated scanner

- Wi-Fi and USB connection as standard on all models

- Integrated work light and camera on 6-axis models

- Automatic probe recognition and repeatable mounting mean probes can be swapped mid-job without recalibration

- No warm-up or encoder referencing required – just switch on the arm and it's ready to go

- Acoustic and haptic feedback to minimise user error

- Supplied with a 3000 N magnetic base to offer the best mounting solution for every application

- Compatible with all Hexagon tube probes and accessories

SPECIFICATIONS

		7725 (2.5 m)	7730 (3.0 m)	7735 (3.5 m)	7740 (4.0 m)	7745 (4.5 m)
6-AXIS	Single Point Repeatability	0.017 mm / 0.0007 in	0.026 mm / 0.0010 in	0.034 mm / 0.0013 in	0.047 mm / 0.0019 in	0.060 mm / 0.0024 in
	Volumetric Accuracy	± 0.026 mm / 0.0010 in	± 0.040 mm / 0.0016 in	± 0.051 mm / 0.0020 in	± 0.062 mm / 0.0024 in	± 0.074 mm / 0.0029 in
7-AXIS (SI)	Single Point Repeatability	0.023 mm / 0.0009 in	0.036 mm / 0.0014 in	0.047 mm / 0.0019 in	0.057 mm / 0.0022 in	0.071 mm / 0.0028 in
	Volumetric Accuracy	± 0.034 mm / 0.0013 in	± 0.052 mm / 0.0020 in	± 0.073 mm / 0.0029 in	± 0.088 mm / 0.0035 in	± 0.107 mm / 0.0042 in
	System Scanning Accuracy (with RS3)	0.050 mm / 0.0020 in	0.066 mm / 0.0026 in	0.081 mm / 0.0032 in	0.095 mm / 0.0037 in	0.110 mm / 0.0043 in
7-AXIS (SE)	Single Point Repeatability	0.023 mm / 0.0009 in	0.036 mm / 0.0014 in	0.047 mm / 0.0019 in	0.057 mm / 0.0022 in	0.071 mm / 0.0028 in
	Volumetric Accuracy	± 0.034 mm / 0.0013 in	± 0.052 mm / 0.0020 in	± 0.073 mm / 0.0029 in	± 0.088 mm / 0.0035 in	± 0.107 mm / 0.0042 in
	System Scanning Accuracy (with HP-L-20.8)	0.046 mm / 0.0018 in	0.062 mm / 0.0024 in	0.077 mm / 0.0030 in	0.091 mm / 0.0036 in	0.106 mm / 0.0042 in

All specifications according to B89.4.22. Certification is also available to VDI/VDE 2617-9. For more information, please visit **HexagonMI.com**.

HEXAGON
MANUFACTURING INTELLIGENCE

Hexagon Manufacturing Intelligence helps industrial manufacturers develop the disruptive technologies of today and the life-changing products of tomorrow. As a leading metrology and manufacturing solution specialist, our expertise in sensing, thinking and acting – the collection, analysis and active use of measurement data – gives our customers the confidence to increase production speed and accelerate productivity while enhancing product quality.

Through a network of local service centres, production facilities and commercial operations across five continents, we are shaping smart change in manufacturing to build a world where quality drives productivity. For more information, visit **HexagonMI.com**.

Hexagon Manufacturing Intelligence is part of Hexagon (Nasdaq Stockholm: HEXA B; **hexagon.com**), a leading global provider of information technologies that drive quality and productivity across geospatial and industrial enterprise applications.

- COORDINATE MEASURING MACHINES
- 3D LASER SCANNING
- SENSORS
- PORTABLE MEASURING ARMS
- SERVICES
- LASER TRACKERS & STATIONS
- MULTISENSOR & OPTICAL SYSTEMS
- WHITE LIGHT SCANNERS
- METROLOGY SOFTWARE SOLUTIONS
- CAD / CAM
- STATISTICAL PROCESS CONTROL
- AUTOMATED APPLICATIONS
- MICROMETERS, CALIPERS AND GAUGES