



LEADERS IN LATEST
MEASUREMENT SOLUTIONS

LASER TRACKER INSPECTION
PORTABLE CMM INSPECTION
3D SCANNING & COMPARISON
REVERSE ENGINEERING



Established in the year 2011, ADR Engineering excels in providing accurate quality inspection services with most updated metrological instruments and software in the market, our talented team. With over 14 years of experience, as precision is the heart of quality, held more than 1000+ Projects onsite


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Leica AT 960

Leica Absolute Tracker AT960 is a **complete solution for six degrees of freedom (6DoF) probing, scanning**. Its **Absolute Interferometer (AIFM)** enables accurate high-speed measurement while the Power Lock function ensures rapid recapture of lost laser beam without user intervention.

Measurement volume of up to 160 meters in diameter.

Technical Specifications


Measurement volume (Ø)	160 m*	
Linear Accuracy	$\pm 15 \mu\text{m} + 6 \mu\text{m}/\text{m}$	
Angle accuracy	$\pm 15 \mu\text{m} + 6 \mu\text{m}/\text{m}$	
Distance accuracy AIFM	$\pm 0.5 \mu\text{m}/\text{m}$	
Dynamic lock on	$\pm 10 \mu\text{m}$	

T PROBE III

T-Probe provides a Largest armless operation measurement volume of up to 40 m Ø

AS1 XL SCANNER

An extra-wide scan line, large standoff and high measurement speed combined with advanced SHINE technology for intelligent data handling the AS1-XL is a quantum leap forward for the non-contact measurement of large surfaces.

Accuracy (sensor)	0.134 mm	
Point acquisition rate	up to 1.2 million points/s	
Line width (mid)	600 mm	
Standoff	$700 \pm 300 \text{ mm}$	



API Omnitrac 2 & RADIAN PLUS

API Omnitrac 2 and Radianplus is a more compact, controllerless, wireless tracker. Integrated controller offers cableless and hazard-free operation in confined spaces. Runs on built-in battery power upto 6 hours and sends its data over the unit's internal WiFi.

For length measurement, the **highly precise ADM 2** technology is used. Autolock systems finds the SMR anywhere.

Radian's Hand-held probes compliment Radian's capabilities, extending measurement reach.

Technical Specifications

	Omnitrac 2	Radian Plus
Laser Technology	ADM 2-3D/6D	ADM -3D/6D
Linear range (Diameter)	160 m	100 m
Azimuth Range (Horizontal)	$\pm 320^\circ$ (640 $^\circ$ end to end)	$\pm 320^\circ$ (640 $^\circ$ end to end)
Elevation Range (Vertical)	+ 79 $^\circ$ / -59 $^\circ$	+ 79 $^\circ$ / -59 $^\circ$
Linear Accuracy	$\pm 15 \mu\text{m}$	$\pm 15 \mu\text{m}$
Data output rate	1000 points/sec	1000 points/sec
Year of Manufacturing	2016	2020

Our Arms are portable, coordinate measuring machine which allows precise and accurate measurements of an object.


It can move in three-dimensional space forward/backward, up/down, left/right combined with rotation about three perpendicular axes which allows intricate measurement in confined spaces.

Probing

	HEXAGON ROMER ARM			FARO fusion
	7325	7525	7330	
Range	2.5 m Ø	2.5 m Ø	3 m Ø	3 m Ø
Repeatability	0.049 mm	0.027 mm	0.079 mm	0.074mm
Volumetric accuracy	± 0.069 mm	± 0.038 mm	± 0.100 mm	± 0.104mm

Scanning

	Hexagon Arm Scanner 7330 SI RS4
Range	3 m Ø
Scanning System Accuracy	0.119mm
Minimum Point Spacing	0.011mm (Line)



OUR HAPPIEST CLIENTS



**Adani Elbit Advance system
India Ltd.**

Mold surface and geometry
Inspection



**Alstom Transport India
Limited**

Jigs/Fixture Calibration, Metro
train body Inspection



TM AUTOMOTIVE SEATING SYSTEMS

**TM Automotive Seating
System Pvt Ltd.**

Fixture Calibration, 3D
Scanning



Michelin India Pvt Ltd

Machine Installation and
Geometry



L&T Defence Larsen & Toubro Defense

Dimensional Inspection of
components



Larsen & Toubro Aerospace

Dimensional Inspection of
components



**Larsen & Toubro Rubber
Processing Industry**

Geometry of largest structures



a GE Renewable Energy business

**LM Wind Power Blades
(India) Private Limited**

Blade mold surface Inspection



**Envision Wind Power
Technologies India Pvt. Ltd**

Blade mold and Blade surface
Inspection



**Indutch Composites
Technology Pvt Ltd**

Blade mold and Blade
surface Inspection



**Siemens Gamesa Renewable
Power Pvt Ltd**

Dimensional Inspection of
Turbines, Shafts and
bearings



Mahindra Research valley

Prototype Inspection and 3D
Scanning



Mahindra

Mahindra

Jigs/Fixture Calibration



Thermax Limited

Dimensional Inspection of
Radiators



Apollo Tyres

Reverse Engineering



**Indocool Composites Private
Limited**

Mold profile Inspection



**Hanon Automotive Systems
Private Limited**

Dimensional Inspection of
components



**Dowoon Automotive
Systems India Pvt Ltd**

Dimensional Inspection of
components



**Tractors and farm equipment
Limited**

Jigs/Fixture Calibration



Wheels India Limited

Jigs/Fixture Calibration



Komatsu India Private Limited

Jigs/Fixture Calibration



Brahmos Aerospace Thiruvanthapuram Limited

Dimensional Inspection of components



VSSC

Geometrical Inspection of components



TPI Composites India Private Limited

Blade mold and Blade surface Inspection



Jendamark India Private Limited

Jigs/Fixture Calibration
Dimensional Inspection



Tube Investments of India Limited

Reverse Engineering & 3D Scanning