

INFINITE 2.0 from **cimcore**



The NEW INFINITE 2.0

is Cimcore's easiest to use and most accurate articulating arm ever. New handling and performance features – along with patented infinite rotation, quick-change probes, exclusive wireless connectivity and battery power – provide **INFINITE** portability and measuring power. **INFINITE 2.0** plus models, with unsurpassed repeatability and volumetric accuracy, are ideal for the most demanding inspection tasks.

1. Patented **infinite rotation** of principle axes allows inspection in difficult-to-reach areas.
2. With the new Bridge-CMM class TESA kinematic multiwire probe joint, you get unsurpassed measuring performance. **Carbon fibre probes** feature automatic probe recognition.
3. A new smaller, **easy-grip head** features an LED work light and an integrated digital camera which allows the operator to graphically document a setup.
4. **New SpinGrip** infinite-rotating grips at elbow and forearm provide two low friction grip positions for better ergonomics. SpinGrips allow the CMM to 'float' in the operator's hands, maximising accuracy and minimising operator fatigue.
5. **Heidenhain encoders**, manufactured to our specifications, offer 'wide track' bearing support which enhances performance.
6. **Advanced carbon filter** arm tubes are strong, lightweight, thermally stable and feature a lifetime warranty.
7. An improved, **low profile Zero-G counterbalance** reduces operator fatigue and delivers effortless control in all positions, including above and below centre line.
8. An upgraded 802.11g **WIFI connection** – transmitting up to 6 times farther and 50 times faster than Bluetooth – allows the operator to position the computer where it is most convenient.
9. **A Li-Ion battery** allows on site inspection with AC power or cables. A sealed battery cover prevents contamination of the battery compartment or accidental dislodging of the battery.
10. A **quick-clip probe holster** keeps three spare probes and the change key safe and handy.
11. The **universal mounting system** attaches to a variety of bases, and includes a magnetic mount for a smaller footprint and simplified set up.

INFINITE 2.0 SEVEN AXIS CMM WITH PERCEPTRON V5 NON-CONTACT LASER SCANNER



The Cimcore Infinite 2.0 measuring arm is also available in seven axis form, allowing for maximum flexibility of movement when used with a scanning head. EuroPac 3D supply Perceptron laser scanners which provide a class leading data collection of 458,000 points per second and point resolution of 4.5 microns. This combination of arm and laser is perfect for Reverse Engineering, Inspection and Digital Modelling.

INFINITE 2.0 (SIX AXIS)

Measuring Range	1.2m	1.8m	2.4m	2.8m	3.0m	3.6m
Point Repeatability	0.010mm	0.016mm	0.020mm	0.029mm	0.034mm	0.050mm
Volume Length Accuracy	0.016mm	0.023mm	0.029mm	0.041mm	0.050mm	0.068mm
Arm Weight	6.89kg	7.57kg	7.82kg	7.97kg	8.22kg	8.65kg

INFINITE 2.0 (SEVEN AXIS)

Measuring Range	1.8m	2.4m	2.8m	3.0m	3.6m
Point Repeatability	0.024mm	0.028mm	0.045mm	0.050mm	0.070mm
Volume Length Accuracy	0.035mm	0.040mm	0.064mm	0.071mm	0.100mm
Arm Weight	8.05kg	8.33kg	8.33kg	8.85kg	9.13kg

INFINITE 2.0 PLUS (SIX AXIS)

Measuring Range	2.4m	3.6m
Point Repeatability	0.017mm	0.043mm
Volume Length Accuracy	0.025mm	0.058mm
Arm Weight	7.82kg	8.65kg

Humidity: 5% - 95% noncondensing
Shock & Impact: 6ms, < 1000 ms/s²
Certification: CE compliant
Vibration: (55 to 2000HZ): < 100 ms/s²
Power Requirement: Universal worldwide voltage | 110-240