

*STINGER IIi* from **cim core**



The NEW STINGER IIi™ portable CMM is a cost-effective solution for inspection, measuring and reverse engineering challenges, with powerful new features such as infinite rotation and integrated counterbalance. Features include:

- **Patented INFINITE ROTATION** of principle axes allows inspection of hard-to-reach areas and avoids damaging the arm against rotational hard stops.
- **Intelligent quick-change probes** changeable on-the-fly without tools or the need to re-calibrate. The system automatically recognizes and compensates for the type of probe installed. This saves a significant amount of time during the inspection process.
- **Integrated ZERO-G™ counterbalance** offsets the weight of the arm and probe, thereby reducing operator fatigue and allowing one-handed operation.
- **Carbon fibre composite arms** that are stronger than steel and dimensionally stable regardless of temperature. The arms come with a lifetime warranty on these carbon fibre tubes.
- **Ultra-portable design** weighing 3.6 to 4.5 kg allows the arm to be moved easily throughout a job site.
- **Field calibration.** We provide a NIST-traceable calibrated length standard with its portable CMMs. This allows the operator to easily verify and document system performance to meet ISO requirements.



Measuring Envelope	2.4 m	3.0 m	3.6 m
Point Repeatability Test (B)	± .050 mm	± .080 mm	± .110 mm
Volumetric Length Accuracy (C)	± .070 mm	± .110 mm	± .155 mm
Arm Weight	4.1 kg	4.3 kg	4.5 kg

**Other Specifications:** ■ **Axes Configuration:** 6 axes, 2-2-2 ■ **Operating Range:** 0°C to 46°C ■ **Humidity:** 95% ■ **Non-Condensing Protection:** Provides protection to IP 64 standards ■ **Permissible angular acceleration:** Greater than 105 rad/s<sup>2</sup>. 93/68/EEC Vibration: (55 to 2000Hz) <100m/s<sup>2</sup> (IEC 68-2-6) ■ **Shock and impact:** (6ms) <1000m/s<sup>2</sup> (IEC 68-2-27) ■ **Power Supply:** Universal worldwide voltage 100-240 VAC, 50/60 Hz 0.8A ■ **Certification:** CE Compliant EMC, Electromagnetic Compatibility Directive 89/336/EEC, 92/31/EEC, 93/68/EEC EN 61326-1 (1997) + A1(1998) EN 55011 (1994), Group 1, Class "A" EC 1000-4-2,3,4,5,6 (1995), IEC 1000-4-11 (1995) EN61000-3-2, EN61000-3-3 Low Voltage Directive 73/23/EEC, 93/68/EEC EN 61010-1:1993 (includes A1) + A2:1995