


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

 0334 Accredited to ISO/IEC 17025:2005	CD Measurements Ltd	
	Issue No: 015	Issue date: 01 October 2018
	Chomlea House Hadfield Road Hadfield Glossop Derbyshire SK13 2ER	Contact: Dr A Butterworth Tel: +44 (0)1457 852929 Fax: +44 (0)1457 860619 E-Mail: calibration@cdmeasurements.com Website: www.cdmeasurements.com
Calibration performed by the Organisations at the locations specified below		

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details	Activity	Location code
Address Chomlea House Hadfield Road Hadfield Glossop Derbyshire SK13 2ER	Local contact Dr A Butterworth	Dimensional A

Site activities performed away from the locations listed above:

Location details	Activity	Location code
Address At customer's premises	Contact: Dr A Butterworth	Dimensional B



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DETAIL OF ACCREDITATION

Measured Quantity Instrument or Gauge	Range	Calibration and Measurement Capability (CMC) Expressed as an Expanded Uncertainty ($k=2$)	Remarks	Location Code
RANGE IN MILLIMETRES AND UNCERTAINTY IN MICROMETRES UNLESS OTHERWISE STATED				
MEASURING INSTRUMENTS AND MACHINES			NOTES	
Machine tools Determination of accuracy and repeatability of positioning of numerically controlled machine tools	ISO 230-2:2014, ISO 230- 2:2006 (withdrawn), ISO 230- 2:1997 (withdrawn) and VDI 3441:1982 (withdrawn) Within the temperature range 5 °C to 35 °C Linear, 0 m to 4 m Linear, 4 m to 30 m Rotary axis, 0° to 360° See note 3	0.15 + (0.50 x length in m) See note 1 0.15 + (0.60 x length in m) See note 2 1.9/m 0.60 seconds of arc	1 The stated uncertainty applies to scales involving zero expansion co-efficient. 2 The stated uncertainty applies to calibration of steel scales conducted at 20 °C. Larger uncertainties will apply for calibrations conducted in non-ideal environmental conditions. 3 Multiple revolutions of rotary axes are also covered. 4. Excluding MOY/SCMI/28 and MOY/SCMI/93 type	B
Circular tests for numerically controlled machine tools	ISO 230-4:2005 50 mm to 250 mm radius circular deviation radial deviation bi-directional circular deviation mean bi-directional radial deviation	0.50 0.50 2.3 2.3		B
Length measuring	Within the temperature range 5 °C to 35 °C 0 m to 4 m 4 m to 30 m	0.15 + (0.50 x length in m) See note 1 0.15 + (0.60 x length in m) See note 2 1.9/m		B
Flatness of measuring faces	2 to 25	0.25		B
Parallelism of measuring faces	2 to 25	0.12		B



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ANGLE				
Indexing tables	0° to 360°	0.30 seconds of arc		A
Polygons	4 sides to 12 sides 12 sides to 72 sides	0.50 seconds of arc 0.80 seconds of arc		A
Electronic autocollimators	0 seconds to 600 seconds	0.20 seconds of arc See note 4		A
Electronic levels	0 seconds to 600 seconds	0.20 seconds of arc		A
END				