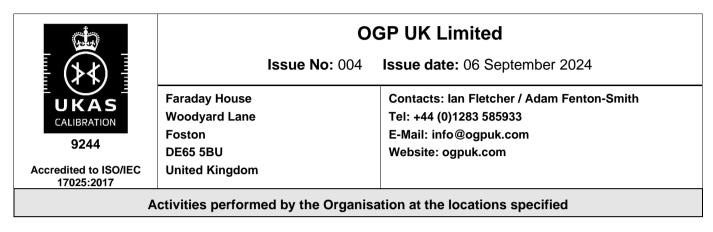
# **Schedule of Accreditation**

issued by

# **United Kingdom Accreditation Service**

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



## Locations covered by the organisation and their relevant activities

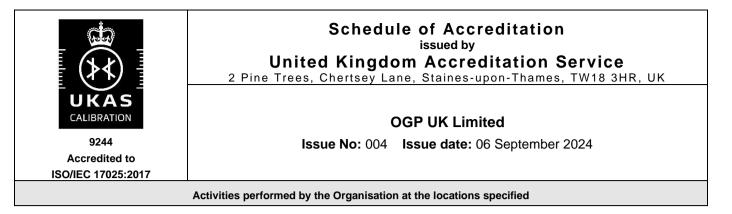
## Site activities performed away from the locations listed above:

Location details		Activity	Location code
Address At customers premises	<b>Local contacts</b> Mr Ian Fletcher Mr Adam Fenton-Smith	Dimensional	В

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	OGP UK Limited	
9244 Accredited to ISO/IEC 17025:2017	Issue No: 004 Issue date: 06 September 2024	
	Activities performed by the Organisation at the locations specified	

Measured Quantity Instrument or Gauge	Range	Expanded Measurement Uncertainty ( <i>k</i> = 2)	Remarks	Location Code
MEASURING INSTRUMENTS AND MACHINES	RANGE IN MILLIMETRES AND UNCERTAINTY IN MICROMETRES UNLESS OTHERWISE STATED		NOTES	
Performance verification of co-ordinate measuring machines equipped with imaging probing systems using the component approach.	ISO 10360-7:2011 - CMM's length measurements over the following test lengths: $E_{UXY}$ 0 to 450 (longest XY diagonal) $E_{UZ}$ 0 to 227 $E_{UV}$ 0 to 9.8 Probing performance $P_{F2D}$ using 0.2 to 10.0 (test circle diameters) $P_{FV2D}$ using 0.2 to 10.0 (test circle diameters) $P_{FV2D}$ using 0.2 to 10.0 (test circle diameters) Squareness $E_{SQ}$ 0 to 200	0.81 + (0.41  x length in m) 0.33 + (1.4  x length in m) 0.81 + (0.41  x length in m) 0.25 + (0.71  x length in m) 0.25 + (0.71  x length in m) 2.3 + (0.66  x length in m)	<ol> <li>Accreditation is limited to machines manufactured by OGP UK Ltd and QVI Inc.</li> <li>Test value uncertainty calculated according to ISO14253- 1:2017 as required by ISO10360-7:2011.</li> </ol>	В
		END		

# Calibration and Measurement Capability (CMC)



### Appendix - Calibration and Measurement Capabilities

### Introduction

The definitive statement of the accreditation status of a calibration laboratory is the Accreditation Certificate and the associated Schedule of Accreditation. This Schedule of Accreditation is a critical document, as it defines the measurement capabilities, ranges and boundaries of the calibration activities for which the organisation holds accreditation.

#### Calibration and Measurement Capabilities (CMCs)

The capabilities provided by accredited calibration laboratories are described by the Calibration and Measurement Capability (CMC), which expresses the lowest measurement uncertainty that can be achieved during a calibration. If a particular device under calibration itself contributes significantly to the uncertainty (for example, if it has limited resolution or exhibits significant non-repeatability) then the uncertainty quoted on a calibration certificate will be increased to account for such factors.

The CMC is normally used to describe the uncertainty that appears in an accredited calibration laboratory's schedule of accreditation and is the uncertainty for which the laboratory has been accredited using the procedure that was the subject of assessment. The measurement uncertainty is calculated according to the procedures given in the GUM and is normally stated as an expanded uncertainty at a coverage probability of 95 %, which usually requires the use of a coverage factor of k = 2. An accredited laboratory is not permitted to quote an uncertainty that is smaller than the published measurement uncertainty in certificates issued under its accreditation.

#### Expression of CMCs - symbols and units

It should be noted that the percentage symbol (%) represents the number 0.01. In cases where the measurement uncertainty is stated as a percentage, this is to be interpreted as meaning percentage of the measurand. Thus, for example, a measurement uncertainty of 1.5 % means  $1.5 \times 0.01 \times q$ , where *q* is the quantity value.

The notation Q[a, b] stands for the root-sum-square of the terms between brackets:  $Q[a, b] = [a^2 + b^2]^{1/2}$