# Schedule of Accreditation

**issued by**

# United Kingdom Accreditation Service

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

**9244**

**Accredited to ISO/IEC 17025:2017**

## OGP UK Limited

**Issue No:** 004 **Issue date:** 06 September 2024

| | |
|---|---|
| **Faraday House**<br>**Woodyard Lane**<br>**Foston**<br>**DE65 5BU**<br>**United Kingdom** | **Contacts: Ian Fletcher / Adam Fenton-Smith**<br>**Tel: +44 (0)1283 585933**<br>**E-Mail: info@ogpuk.com**<br>**Website: ogpuk.com** |

**Activities performed by the Organisation at the locations specified**

**Locations covered by the organisation and their relevant activities**

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

| Location details | | Activity | Location code |
|---|---|---|---|
| **Address**<br>At customers premises | **Local contacts**<br>Mr Ian Fletcher<br>Mr Adam Fenton-Smith | Dimensional | B |

# Schedule of Accreditation
**issued by**
## United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

**9244**
**Accredited to**
**ISO/IEC 17025:2017**

## OGP UK Limited
**Issue No:** 004 **Issue date:** 06 September 2024

**Activities performed by the Organisation at the locations specified**

Calibration and Measurement Capability (CMC)

| Measured Quantity Instrument or Gauge | Range | Expanded Measurement Uncertainty ($k$ = 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<br><br>length measurements over the following test lengths:<br>$E_{UXY}$ 0 to 450 (longest XY diagonal)<br>$E_{UZ}$ 0 to 227<br>$E_{UV}$ 0 to 9.8<br><br>Probing performance<br>$P_{F2D}$ using 0.2 to 10.0 (test circle diameters)<br>$P_{FV2D}$ using 0.2 to 10.0 (test circle diameters)<br><br>Squareness<br>$E_{SQ}$ 0 to 200 | <br><br><br>0.81 + (0.41 x length in m)<br><br>0.33 + (1.4 x length in m)<br>0.81 + (0.41 x length in m)<br><br><br>0.25 + (0.71 x length in m)<br><br>0.25 + (0.71 x length in m)<br><br><br>2.3 + (0.66 x length in m) | 1. Accreditation is limited to machines manufactured by OGP UK Ltd and QVI Inc.<br><br>2. Test value uncertainty calculated according to ISO14253-1:2017 as required by ISO10360-7:2011. | B |
| END | | | | |

## 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: $Q[a, b] = [a^2 + b^2]^{1/2}$