Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

7706

Accredited to ISO/IEC 17025:2017

Vision Engineering Limited

Issue No: 006 **Issue date:** 05 December 2025

Freeman Building **Galileo Drive** **Send** **Woking** **Surrey** **GU23 7ER** **United Kingdom**	**Contact: John Marshall** **Tel: +44 (0) 1483 248300** **E-Mail: generalinfo@visioneng.com** **Website: www.visioneng.com**

Calibration performed at the above address only

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details	Activity	Location code
Address Freeman Building Park Galileo Drive Send Woking Surrey GU23 7ER United Kingdom **Local contact** John Marshall	Calibration of X-Y Stages	P

Site activities performed away from the locations listed above:

Location details	Activities	Location code
At Customers Premises Calibration Engineer The customers' site or premises must be suitable for the nature of the particular calibrations undertaken and will be the subject of contract review arrangements between the laboratory and the customer.	Calibration of X-Y Stages Performance verification of co-ordinate measuring machines equipped with imaging probing systems using the component approach.	S S

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Calibration and Measurement Capability (CMC)

Measured Quantity Instrument or Gauge	Range	Expanded Measurement Uncertainty (k = 2)	Remarks	Location Code
MEASURING INSTRUMENTS AND MACHINES				
X-Y Stages	From 150 mm x 100 mm up to 375 mm x 275 mm	Linear: 2.0 + (1.2 x length in m) µm Squareness: 0.0063 °	Accreditation for stages is limited to those manufactured by Vision Engineering Ltd. By comparison with reference scales / grids.	P, S
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 600 mm E_{UZ} 0 to 225 mm Probing performance P_{F2D} using 5.0 to 24 mm (test circle diameters) Squareness E_{SQ} 0 to 225 mm	 0.64 + (3.5 x length in m) µm 0.31 + (4.2 x length in m) µm 0.58 µm 9.1 µm	Accreditation is limited to machines manufactured by Vision Engineering Ltd.	S
END				

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