

CERTIFICATE OF CALIBRATION

ISSUED BY: **Torus Measurement Systems Ltd.**

DATE OF ISSUE: **8th May 2024** SERIAL No: **023009**



0773



Torus Measurement Systems Ltd.

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APPROVED SIGNATORIES

D. Ball
E. Warlow
P. Wood

CUSTOMER: Mecmesin Ltd.
Newton House, Spring Copse Business Park, Slinfold, West Sussex, RH13 0SZ

ORDER NO: PO129331-1

DESCRIPTION: Torque Beam

RANGE/SIZE: See Page 2

MANUFACTURER: N/A

QUANTITY: 1

SERIAL NO: SGS0584

TECHNICAL STANDARD: N/A

DRAWING NO: N/A

DATE RECEIVED: 25th April 2024


REPORT:

This Jig/ Fixture has been examined and measured at 20°C ±1°C using a Global CMM, a Reference Sphere and a Digital Thermometer & Probe. The mean of the measured results obtained are stated on the following page/s of this report.

* Denotes 'Out of Tolerance' to the above drawing
x Denotes errors before Repair/ Resetting
Repairs/ Resetting prior to calibration -/ NO

CALIBRATION EQUIPMENT: Lab 7, Lab 6 & Lab 166

DATE CALIBRATED: 7th May 2024

Signature: 

The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor k=2, providing a level of confidence of approximately 95%. The uncertainty evaluation has been carried out in accordance with UKAS requirements.

Simple acceptance shared risk (Ref JCGM 106:2012, section 8.2) where the expanded uncertainty for a coverage factor of K=2 associated with the result/estimate is ≤ the tolerance.

This certificate is issued in accordance with the laboratory accreditation requirements of the United Kingdom Accreditation Service. It provides traceability of measurement to the SI system of units and/or to units of measurement realised at the National Physical Laboratory or other recognised national metrology institutes. This certificate may not be reproduced other than in full, except with the prior written approval of the issuing laboratory.

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CUSTOMER: Mecmesin Ltd.
DESCRIPTION: Torque Beam
DRAWING: N/A
SERIAL NUMBER: SGS0584

DESCRIPTION	AXIS	REQUIREMENT	MEASURED	DEVIATION	UNCERTAINTY	UNIT
POINT A		500.000	499.963	-0.037	± 0.0061	mm
POINT B		250.000	249.948	-0.052	± 0.0061	mm
POINT C		250.000	250.002	0.002	± 0.0061	mm
POINT D		500.000	499.964	-0.036	± 0.0061	mm
POINT 1		500.000	499.913	-0.087	± 0.0061	mm
POINT 2		250.000	249.941	-0.059	± 0.0061	mm
POINT 3		250.000	250.045	0.045	± 0.0061	mm
POINT 4		500.000	499.980	-0.020	± 0.0061	mm

NOTE:

All above calibrated in metric
Measured value is the average of 3 runs
Measured values only relate to the equipment identified above
Measurement points are measured a nominal 15mm either side of beam centre

End of Report

Signature: