

# CERTIFICATE OF CALIBRATION

ISSUED BY: Torus Measurement Systems Ltd.

DATE OF ISSUE: 18<sup>th</sup> August 2022

SERIAL No: 020050



0773



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PAGE 1 OF 2 PAGES

APPROVED SIGNATORIES

D. Ball

E. Warlow

P. Wood

**CUSTOMER:** Mecmesin Ltd.  
Newton House, Spring Copse Business Park, Slinfold West Sussex.

**ORDER NO:** 116368-1

**DESCRIPTION:** Torque Beam

**RANGE/SIZE:** See Page 2

**MANUFACTURER:** N/A

**QUANTITY:** 1

**SERIAL NO:** SGS0591

**TECHNICAL STANDARD:** N/A

**DRAWING NO:** N/A

## REPORT:

This Torque Beam has been examined and measured at 20°C ±1°C using a Global CMM and a Reference Sphere. The mean of the measured results obtained are stated on page 2 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 used:** (LAB 6)&(LAB 7)&(LAB 160)

**Date of Calibration:** 18<sup>th</sup> August 2022

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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UKAS ACCREDITATION CALIBRATION LABORATORY No.0773

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PAGE 2 OF 2 PAGES

**CUSTOMER:** Mecmesin Ltd.

**SERIAL NO:** SGS0591.

**DESCRIPTION:** Torque Beam.

DESCRIPTION	NOMINAL SIZE	MEAN MEASURED SIZE
Point 1	500.000 mm	499.971 mm
Point 2	250.000 mm	250.021 mm
Point 3	250.000 mm	249.991 mm
Point 4	500.000 mm	500.010 mm
Point A	500.000 mm	499.980 mm
Point B	250.000 mm	249.982 mm
Point C	250.000 mm	249.955 mm
Point D	500.000 mm	499.965 mm

Note: All the above calibrated in metric.

Above points are measured a nominal 15mm either side of beam centre.

Uncertainty of measurement  $\pm 0.0123$ mm.

Measured values only relate to the equipment identified above.  
End of Report

Certified: 