

CERTIFICATE OF CALIBRATION

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

DATE OF ISSUE: **24th May 2021** SERIAL No: **018079**



0773



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APPROVED SIGNATORIES

D. Jones

D. Ball ✓

CUSTOMER: Mecmesin Ltd.
Newton House, Spring Copse Business Park, Slinfold West Sussex.
ORDER NO: 265859
DESCRIPTION: Torque Beam
RANGE/SIZE: See Page 2
MANUFACTURER: N/A
QUANTITY: 1
SERIAL NO: SGS0491
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, a Digital Thermometer & Probes 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 106)

Date of Calibration: 21st May 2021

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.

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CUSTOMER: Mecmesin Ltd.

SERIAL NO: SGS0491

DESCRIPTION: Torque Beam.

<u>DESCRIPTION</u>	<u>NOMINAL SIZE</u>	<u>MEAN MEASURED SIZE</u>
Point 1	500.000 mm	499.966 5 mm
Point 2	250.000 mm	249.994 0 mm
Point 3	250.000 mm	249.968 4 mm
Point 4	500.000 mm	500.008 1 mm
Point 5	500.000 mm	500.000 0 mm
Point 6	250.000 mm	250.015 2 mm
Point 7	250.000 mm	249.987 9 mm
Point 8	500.000 mm	499.992 8 mm

Note: All the above calibrated in metric.
Above points are measured a nominal 15mm either side of beam centre.
Mean Measured Size= Average of 3 Runs.
Uncertainty of measurement ± 0.008 0 mm.

End of Report

Certified: 