

CERTIFICATE OF CALIBRATION

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

DATE OF ISSUE: **18th October 2022**

SERIAL No: **020328**



0773



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PAGE

APPROVED SIGNATORIES

D. Ball ✓

E. Warlow

P. Wood

CUSTOMER: Mecmesin Ltd.
Newton House, Spring Copse Business Park, Slinfold, West Sussex.
ORDER NO: PO117740-2
DESCRIPTION: Torque Beam
RANGE/SIZE: See Page 2
MANUFACTURER: N/A
QUANTITY: 1
SERIAL NO: SGS0593
TECHNICAL STANDARD: N/A
DRAWING NO: PDV13110-17 ISS 02
DATE RECEIVED: 17th October 2022

This Capttest Torque Beam has been examined and measured at 20°C ±1°C using a Reference Sphere, a Global CMM and a Digital Thermometer & Probe. 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: 18th October 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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CUSTOMER: Mecmesin Ltd.

SERIAL NO: SGS0593

DRG NO: PDV13110-17 ISS 02

DESCRIPTION: Torque Beam.

DESCRIPTION	NOMINAL SIZE	TOLERANCE (\pm)	MEAN MEASURED SIZE
Side Marked L			
Circle Left 1	100.000 mm	0.100 mm	99.988 mm
Circle Left 2	95.000 mm	0.100 mm	94.987 mm
Circle Left 3	90.000 mm	0.100 mm	89.987 mm
Circle Left 4	85.000 mm	0.100 mm	84.984 mm
Circle Left 5	80.000 mm	0.100 mm	79.986 mm
Circle Left 6	75.000 mm	0.100 mm	74.984 mm
Circle Left 7	70.000 mm	0.100 mm	69.985 mm
Circle Left 8	65.000 mm	0.100 mm	64.984 mm
Circle Left 9	60.000 mm	0.100 mm	59.984 mm
Circle Left 10	55.000 mm	0.100 mm	54.982 mm
Circle Left 11	50.000 mm	0.100 mm	49.984 mm
Circle Left 12	45.000 mm	0.100 mm	44.985 mm
Circle Left 13	40.000 mm	0.100 mm	39.985 mm
Circle Left 14	35.000 mm	0.100 mm	34.983 mm
Circle Left 15	30.000 mm	0.100 mm	29.985 mm
Circle Left 16	25.000 mm	0.100 mm	24.984 mm
Side Unmarked			
Circle Right 1	100.000 mm	0.100 mm	100.023 mm
Circle Right 2	95.000 mm	0.100 mm	95.022 mm
Circle Right 3	90.000 mm	0.100 mm	90.023 mm
Circle Right 4	85.000 mm	0.100 mm	85.022 mm
Circle Right 5	80.000 mm	0.100 mm	80.022 mm
Circle Right 6	75.000 mm	0.100 mm	75.020 mm
Circle Right 7	70.000 mm	0.100 mm	70.020 mm
Circle Right 8	65.000 mm	0.100 mm	65.018 mm
Circle Right 9	60.000 mm	0.100 mm	60.018 mm
Circle Right 10	55.000 mm	0.100 mm	55.017 mm
Circle Right 11	50.000 mm	0.100 mm	50.016 mm
Circle Right 12	45.000 mm	0.100 mm	45.016 mm
Circle Right 13	40.000 mm	0.100 mm	40.014 mm
Circle Right 14	35.000 mm	0.100 mm	35.013 mm
Circle Right 15	30.000 mm	0.100 mm	30.014 mm
Circle Right 16	25.000 mm	0.100 mm	25.019 mm

Notes: All above calibrated in Metric. Mean measured size = Mean of 3 measurements.

Uncertainty of Measurement = ± 0.008 2mm

Measured values only relate to the equipment identified above.

End of Report

Certified: 