CERTIFICATE OF CALIBRATION

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

DATE OF ISSUE: **16th October 2025** SERIAL No: **025519**

0773

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APPROVED SIGNATORIES
D. Ball
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P. Wood

CUSTOMER:	Mecmesin (PPT Group) Newton House, Spring Copse Business Park, Stane St., Slinfold, RH13 0SZ
ORDER NO:	PO140631-1
DESCRIPTION:	Torque Beam
RANGE/SIZE:	See Pages 2 - 3
MANUFACTURER:	N/A
QUANTITY:	1
SERIAL NO:	SGS0593
TECHNICAL STANDARD:	N/A
DRAWING NO:	PDV13110-17 ISS 02
DATE RECEIVED:	6th October 2025

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 51, Lab 136 & Lab 106

DATE CALIBRATED: 16th October 2025

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 (PPT Group)
DESCRIPTION: Torque Beam
DRAWING: PDV13110-17 ISS 02
SERIAL NUMBER: SGS0593

DESCRIPTION	AXIS	REQUIREMENT	MEASURED	DEVIATION	UNCERTAINTY	UNIT
CIRCLE LEFT 1	Y	100.000 +0.100/-0.100	99.990	-0.010	± 0.0057	mm
CIRCLE LEFT 2	Y	95.000 +0.100/-0.100	94.990	-0.010	± 0.0057	mm
CIRCLE LEFT 3	Y	90.000 +0.100/-0.100	89.987	-0.013	± 0.0057	mm
CIRCLE LEFT 4	Y	85.000 +0.100/-0.100	84.987	-0.013	± 0.0057	mm
CIRCLE LEFT 5	Y	80.000 +0.100/-0.100	79.986	-0.014	± 0.0057	mm
CIRCLE LEFT 6	Y	75.000 +0.100/-0.100	74.985	-0.015	± 0.0057	mm
CIRCLE LEFT 7	Y	70.000 +0.100/-0.100	69.986	-0.014	± 0.0057	mm
CIRCLE LEFT 8	Y	65.000 +0.100/-0.100	64.987	-0.013	± 0.0057	mm
CIRCLE LEFT 9	Y	60.000 +0.100/-0.100	59.985	-0.015	± 0.0057	mm
CIRCLE LEFT 10	Y	55.000 +0.100/-0.100	54.985	-0.015	± 0.0057	mm
CIRCLE LEFT 11	Y	50.000 +0.100/-0.100	49.985	-0.015	± 0.0057	mm
CIRCLE LEFT 12	Y	45.000 +0.100/-0.100	44.988	-0.012	± 0.0057	mm
CIRCLE LEFT 13	Y	40.000 +0.100/-0.100	39.989	-0.011	± 0.0057	mm
CIRCLE LEFT 14	Y	35.000 +0.100/-0.100	34.987	-0.013	± 0.0057	mm
CIRCLE LEFT 15	Y	30.000 +0.100/-0.100	29.988	-0.012	± 0.0057	mm
CIRCLE LEFT 16	Y	25.000 +0.100/-0.100	24.986	-0.014	± 0.0057	mm

NOTE:

All above calibrated in metric
Measured value is the average of 3 runs
Measured values only relate to the equipment identified above
Side marked L is LEFT, unmarked side is RIGHT

Signature: 

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CUSTOMER: Mecmesin (PPT Group)
DESCRIPTION: Torque Beam
DRAWING: PDV13110-17 ISS 02
SERIAL NUMBER: SGS0593

DESCRIPTION	AXIS	REQUIREMENT	MEASURED	DEVIATION	UNCERTAINTY	UNIT
CIRCLE RIGHT 1	Y	-100.000 +0.100/-0.100	-100.019	-0.019	± 0.0057	mm
CIRCLE RIGHT 2	Y	-95.000 +0.100/-0.100	-95.019	-0.019	± 0.0057	mm
CIRCLE RIGHT 3	Y	-90.000 +0.100/-0.100	-90.018	-0.018	± 0.0057	mm
CIRCLE RIGHT 4	Y	-85.000 +0.100/-0.100	-85.018	-0.018	± 0.0057	mm
CIRCLE RIGHT 5	Y	-80.000 +0.100/-0.100	-80.018	-0.018	± 0.0057	mm
CIRCLE RIGHT 6	Y	-75.000 +0.100/-0.100	-75.017	-0.017	± 0.0057	mm
CIRCLE RIGHT 7	Y	-70.000 +0.100/-0.100	-70.016	-0.016	± 0.0057	mm
CIRCLE RIGHT 8	Y	-65.000 +0.100/-0.100	-65.014	-0.014	± 0.0057	mm
CIRCLE RIGHT 9	Y	-60.000 +0.100/-0.100	-60.014	-0.014	± 0.0057	mm
CIRCLE RIGHT 10	Y	-55.000 +0.100/-0.100	-55.013	-0.013	± 0.0057	mm
CIRCLE RIGHT 11	Y	-50.000 +0.100/-0.100	-50.013	-0.013	± 0.0057	mm
CIRCLE RIGHT 12	Y	-45.000 +0.100/-0.100	-45.014	-0.014	± 0.0057	mm
CIRCLE RIGHT 13	Y	-40.000 +0.100/-0.100	-40.012	-0.012	± 0.0057	mm
CIRCLE RIGHT 14	Y	-35.000 +0.100/-0.100	-35.011	-0.011	± 0.0057	mm
CIRCLE RIGHT 15	Y	-30.000 +0.100/-0.100	-30.008	-0.008	± 0.0057	mm
CIRCLE RIGHT 16	Y	-25.000 +0.100/-0.100	-25.013	-0.013	± 0.0057	mm

NOTE:

All above calibrated in metric
Measured value is the average of 3 runs
Measured values only relate to the equipment identified above
Side marked L is LEFT, unmarked side is RIGHT

End of Report

Signature: