財團法人全國認證基金會
Taiwan Accreditation Foundation

Certificate of Accreditation

(Certificate No: L0847-260427)

This is to certify that

Chung-Hsin Electric & Machinery Mfg. Corp.

Calibration Laboratory

No.25, Wende Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)

is accredited in respect of laboratory

Accreditation Criteria	:	ISO/IEC 17025: 2017; CNS 17025: 2018
Accreditation Number	:	0847
Originally Accredited	:	May 15, 2002
Effective Period	:	May 15, 2026 to May 14, 2029
Accredited Scope	:	Calibration Field, see described in the Appendix

Scan to verify

Yi-Ling Chen

Yi-Ling Chen
President, Taiwan Accreditation Foundation
April 27, 2026

The Appendix forms an integral part of this Certificate, which shall be invalid when use without the Appendix

Accreditation Number : 0847
Laboratory Head : CHU, Cheng

Length

calibration items	working standard	calibration method	measurand level or range				measurement conditions /independent variable	smallest uncertainty	
	brand /model	document name /no.	minimum value	units	maximum value	units	explanation	value	units
KA2003 caliper (vernier/dial, digital)	Caliper checker Mitutoyo 515-550	In-house method: Caliper Calibration Procedure (Document No.: JQW021)	0	mm	300	mm	outside & inside of vernier and dial caliper (resolution: 0.02 mm)	0.04	mm
			0	mm	300	mm	outside & inside of digital caliper (resolution: 0.01 mm)	0.02	mm
Approval Signatory: TUNG, Yao-Hua; CHAN, Chung-Yi									
KA2005 outside micrometer (vernier)	Gauge block sets Mitutoyo 516-978 (BM1-10A)	In-house method: Outside Micrometer Calibration Procedure (Document No.: JQW018)	0	mm	25	mm	(resolution: 0.01 mm)	0.01	mm
Approval Signatory: TUNG, Yao-Hua; CHAN, Chung-Yi									
KA2010 dial indicator	Dial gauge calibrator Mitutoyo 170-102	In-house method: Dial Indicator Calibration Procedure (Document No.: JQW023)	0	mm	10	mm	(resolution: 0.01 mm)	0.01	mm
Approval Signatory: TUNG, Yao-Hua; CHAN, Chung-Yi									

Mass/Force

calibration items	working standard	calibration method	measurand level or range				measurement conditions /independent variable	smallest uncertainty	
	brand /model	document name /no.	minimum value	units	maximum value	units	explanation	value	units
KC4001 Torque wrench	(1) NORBAR TORQUE WRENCH ANALYZER TWA10 (2) NORBAR ELECTRONIC TRANSDUCER SYSTEM 40050 NORBAR TRANSDUCER 50027.ETS, 50028.ETS, 50030.ETS, 50031.ETS (3) NORBAR TORQUE TOOL TESTER 43228 NORBAR TRANSDUCER 50590.LOG, 50592.LOG, 50593.LOG, 50596.LOG, 50766.LOG	In-house method: Torque Wrench Calibration Procedure (<10 N·m) (Document No.: JQW017)	3	N·m	<10	N·m	CW (Type I)	0.55	%
			10	N·m	<50	N·m	CW (Type I)	2.9	%
			50	N·m	<100	N·m	CW (Type I)	0.76	%
		In-house method: Torque Wrench Calibration Procedure (≧ 10 N·m) (Document No.: JQW025)	100	N·m	<500	N·m	CW (Type I)	1.2	%
			500	N·m	<1000	N·m	CW (Type I)	1.5	%
			3	N·m	<10	N·m	CW (Type II)	3.9	%
			10	N·m	<50	N·m	CW (Type II)	3.2	%
		In-house method: Torque Wrench Calibration Procedure (Document No.: JQW227)	50	N·m	<100	N·m	CW (Type II)	1.4	%
			100	N·m	<500	N·m	CW (Type II)	3.4	%
			500	N·m	<1000	N·m	CW (Type II)	1.3	%
		In-house method: Torque Wrench Calibration Procedure (1~1500 N·m) (Document No.: JQW229)	300	N·m	1500	N·m	CW (Type I)	0.44	%
			500	N·m	1500	N·m	CW (Type II)	2.4	%
Approval Signatory: TUNG, Yao-Hua; CHAN, Chung-Yi									

Note: Smallest uncertainty represents an expanded uncertainty using a coverage factor approximately 95 % level of confidence.
(Null Below)