

(English Translation)



Certificate of Accreditation

To Tohnichi Mfg., Co., Ltd.

IAJapan hereby accredits the following laboratory as a calibration laboratory based on the Measurement Law as it meets the requirements of relevant international standards. This laboratory also meets the requirements for Mutual Recognition Arrangements (MRA) of ILAC and APLAC.

Accreditation No.

JCSS0281

Name of Laboratory

Torque Standard Room, Tohnichi Mfg., Co., Ltd.

Address of Laboratory

162 Takamuro-cho, Kofu-shi, Yamanashi 400-0057, Japan

Accreditation Scope

Torque (as attached)

Accreditation Criterion

ISO/IEC 17025:2005

Date of Initial Accreditation : 2011-11-24

Latest Date of Issue : 2018-03-22

Kenichi Yamamoto

Chief Executive, IAJapan

National Institute of Technology and Evaluation

-
- International Accreditation Japan (IAJapan) is a laboratory accreditation body which has signed MRAs of ILAC(International Laboratory Accreditation Cooperation) and APLAC (Asia Pacific Laboratory Accreditation Cooperation).
 - MRA requirements are, in addition to relevant international standards and guides, requirements for participation in proficiency testing programmes, surveillance and reassessment, and the policy for the traceability of measurement for MRA purpose.
 - This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system. The management system requirements in ISO/IEC 17025:2005 meet the principles of ISO 9001:2008 and are aligned with its pertinent requirements.

General Field of Calibration : TorqueDate of Initial Accreditation of the Field : 2011-11-24Permanent Laboratory/On-site Calibration : Permanent Laboratory ,On-site Calibration

Type of Service		Calibration Scope (only the increasing torque)		CMC (Level of Confidence Approximately 95 %)
Torque testing machines	Torque wrench testers	From 10 N·m up to 100 N·m	Clockwise Torque	0.33 %
			Counterclockwise Torque	0.39 %
		From 20 N·m up to 100 N·m	Clockwise Torque	0.23 %
			Counterclockwise Torque	0.30 %
		From 20 N·m up to 200 N·m	Clockwise Torque	0.36 %
			Counterclockwise Torque	0.30 %
		From 40 N·m up to 200 N·m	Clockwise Torque	0.26 %
			Counterclockwise Torque	0.27 %
		From 50 N·m up to 500 N·m	Clockwise Torque	0.26 %
			Counterclockwise Torque	0.26 %
		From 100 N·m up to 500 N·m	Clockwise Torque	0.26 %
			Counterclockwise Torque	0.25 %
		From 100 N·m up to 1000 N·m	Clockwise Torque	0.26 %
			Counterclockwise Torque	0.25 %
		From 200 N·m up to 1000 N·m	Clockwise Torque	0.21 %
			Counterclockwise Torque	0.21 %

Permanent Laboratory/On-site Calibration : Permanent Laboratory

Type of Service		Calibration Scope (only the increasing torque)		CMC (Level of Confidence Approximately 95 %)
Torque measuring devices	Reference torque wrenches	From 10 N·m up to 100 N·m	Clockwise Torque	0.089 %
			Counterclockwise Torque	0.084 %
		From 20 N·m up to 200 N·m	Clockwise Torque	0.080 %
			Counterclockwise Torque	0.075 %
		From 50 N·m up to 500 N·m	Clockwise Torque	0.071 %
			Counterclockwise Torque	0.071 %
		From 100 N·m up to 1000 N·m	Clockwise Torque	0.082 %
			Counterclockwise Torque	0.082 %

Permanent Laboratory/On-site Calibration : Permanent Laboratory ,On-site Calibration

Type of Service		Calibration Scope (only the increasing torque)		CMC (Level of Confidence Approximately 95 %)
Torque measuring devices	Hand torque tools	From 10 N·m up to 850 N·m	Clockwise Torque	0.91 %
			Counterclockwise Torque	0.91 %