



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

INFASTECH/TRI-STAR LIMITED

Taiwan Branch Laboratory

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Taiwan, R.O.C.

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MECHANICAL

Valid To: January 31, 2023

Certificate Number: 2528.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following types of tests on fasteners:

<u>Test</u>	<u>Test Method</u>
Decarburization	ISO 898-1
Hardness	
Rockwell (HRBW, HRC, HR15N, HR30N)	ASTM E18, F606/F606M; ISO 898-1; SAE J429
Vickers (HV 0.3/0.5/1/3/5/10/30 kgf)	ASTM E92, E384, F606/F606M; ISO 898-1; SAE J429
Plating Thickness (Fe/Zn)	
Magnetic Field/Eddy Current (Fe/Zn)	ASTM E376
X-Ray Spectrometry (Fe/Zn, Fe/Zn/Ni)	ASTM B568
Salt Spray	ASTM B117
Tensile	
Axial	ASTM F606/F606M; ISO 898-1; SAE J429
Wedge	ASTM F606/F606M; ISO 898-1; SAE J429
Proof Load (Length Measurement)	ASTM F606/F606M; ISO 898-1; SAE J429
Proof Load (Internal Thread Fasteners) (Cone Method Excluded)	ASTM F606/F606M; ISO 898-2
Torsional Strength	ASTM F606/F606M; ISO 898-7

I. Dimensional Testing¹

Parameter	Range	CMC	Technique/Method
External Threads ² –			
Pitch Diameter	#10 – ¾ in M3 – M20	+/- 0.001 mm	Thread wires/JIS B0261
Functional Diameter	#10 – ¾ in M3 – M20	N/A	Ring gage/ASME B1.2; ISO 1502; JIS B1071
Major Diameter	#10 – ¾ in M3 – M20	+/- 0.004 mm	Outside micrometer/JIS B1071
Minor Diameter	#10 – ¾ in M3 – M20	+/- 0.006 mm	Profile projector/JIS B1071
Length ²	Up to 25 mm	+/- 0.004 mm	Outside micrometer/JIS B1071
	Up to 150 mm	+/- 0.040 mm	Digital calipers/JIS B1071
	X axis: Up to 180 mm Y axis: Up to 60 mm	+/- 0.050mm +/- 0.011mm	Profile projector/JIS B1071

¹ This laboratory offers commercial dimensional testing service.

² This test is not equivalent to that of a calibration.



Accredited Laboratory

A2LA has accredited

INFASTECH/TRI-STAR LIMITED

Tainan City, Taiwan, R.O.C.

for technical competence in the field of

Mechanical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (*refer to joint ISO-ILAC-IAF Communiqué dated April 2017*).



Presented this 19th day of November 2020.

A blue ink signature of the Vice President of Accreditation Services.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 2528.01
Valid to January 31, 2023

For the types of tests to which this accreditation applies, please refer to the laboratory's Mechanical Scope of Accreditation.