



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

INFASSTECH/TRI-STAR LIMITED  
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MECHANICAL

Valid To: January 31, 2013

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 tests on fasteners:

<u>Test</u>	<u>Test Method</u>
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)	ASTM F606, F606M; ISO 898-2
Hardness	
Rockwell (HRBW, HRC, HR15N, HR30N)	ASTM E18, F606, F606M; ISO 898-1; SAE J429
Vickers Hardness (HV 0.3 to 30) kgf	ASTM E384, F606, F606M; ISO 898-1; SAE J429
Decarburization	ISO 898-1; SAE J121, J121M
Torsional Strength	ISO 898-7; ASTM F606
Salt Spray	ASTM B117
Plating Thickness (Fe/Zn)	ASTM E376

Dimensional Testing <sup>1</sup>

Parameter	Range	CMC <sup>2</sup> (±)	Comments	Standards
External Threads <sup>3</sup> –				
Pitch Diameter Functional Dia.	#10 – ¾ in M3 – M20	0.002 mm N/A	Thread Wires Ring Gage	JIS B0261 ASME B1.2; ISO 1502
Major Diameter	#10 – ¾ in M3 – M20	0.002 mm	Outside Micrometer	JIS B1071
Minor Diameter	#10 – ¾ in M3 – M20	0.003 mm	Profile Projector	
Length <sup>3</sup>	(0 to 25) mm	0.002 mm	Outside Micrometer	JIS B1071
	(0 to 150) mm	0.01 mm	Digital Calipers	
	(0 to 250) mm	0.003 mm	Profile Projector	

<sup>1</sup> This laboratory offers commercial dimensional testing/calibration service.

<sup>2</sup> Calibration and Measurement Capability (CMC) is the smallest uncertainty of measurement that a laboratory can achieve within its scope of accreditation when performing more or less routine calibrations of nearly ideal measurement standards or nearly ideal measuring equipment. Calibration and Measurement Capabilities represent expanded uncertainties expressed at approximately the 95 % level of confidence, usually using a coverage factor of  $k = 2.26$ . The actual measurement uncertainty of a specific calibration performed by the laboratory may be greater than the CMC due to the behavior of the customer's device and to influences from the circumstances of the specific calibration.

<sup>3</sup> This laboratory meets R205 – *Specific Requirements: Calibration Laboratory Accreditation Program* for the types of dimensional tests listed above and is considered equivalent to that of a calibration certificate.





The American Association for Laboratory Accreditation

World Class Accreditation

# Accredited Laboratory

A2LA has accredited

## INFASTECH/TRI-STAR LIMITED

*Tainan R.O.C. 71841, TAIWAN*

for technical competence in the field of

### Mechanical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *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 8 January 2009*).

Presented this 20<sup>th</sup> day of January 2011.



  
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Peter Abney

President & CEO  
For the Accreditation Council  
Certificate Number 2528.01  
Valid to January 31, 2013  
Revised 02/07/2011

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