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

# Certification Accreditation

(Certificate No: L1159-220223)

This is to certify that

## Jinn Her Enterprise Co., Ltd.

**Mechanical Property Lab.**

No.107, Shin-Lo St., Kangshan, Kaohsiung, Taiwan, R.O.C.

**is accredited in respect of laboratory**

| | | |
|---|---|---|
| **Accreditation Criteria** | : | ISO/IEC 17025: 2017；CNS 17025: 2018 |
| **Accreditation Number** | : | 1159 |
| **Originally Accredited** | : | December 01, 2003 |
| **Effective Period** | : | March 31, 2022 to March 30, 2025 |
| **Accredited Scope** | : | Testing Field, see described in the Appendix |

Scan to verify

Ching-Chang Lien
President, Taiwan Accreditation Foundation
February 23, 2022



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

Accreditation Number : 1159
Laboratory Head : TSAI, Wen-Da

◤ 01. 03 Metals and Alloys Products

Fasteners

M002 Wedge Tensile Strength of Full-size Threaded Fasteners
ASTM F606/F606M
ISO 898-1
SAE J429
JSS II09
JIS B1186
JIS B1051
(2 to 980) kN

Approval Signatory: CHEN, Yi-Sung; TSAI, Wen-Da

M002 Axial Tensile Strength of Full-size Threaded Fasteners
ASTM F606/F606M
SAE J429
ISO 898-1
JIS B1051
EN 15048-2
(2 to 980) kN

Approval Signatory: CHEN, Yi-Sung; TSAI, Wen-Da

M008 Decarburization and Carburization Depth Measurement
SAE J121 (1997)
SAE J121M (1997)
ASTM F2328 (TPI<40)
ASTM F2328M (Pitch>0.60 mm)
ISO 898-1
JIS B1051
SAE J1102
SAE J1102M

Approval Signatory: CHEN, Yi-Sung; TSAI, Wen-Da



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M009 Measurement of Fastener Coating Thickness (X-ray Method)
ASTM B568
ASTM A754/A754M
ASTM F1941/F1941M
ISO 4042
JIS B1044
Zn/Fe: (4.78 to 22.00) µm

Approval Signatory: CHEN, Yi-Sung; TSAI, Wen-Da

M012 Salt Spray Testing
ASTM B117
ISO 9227
Neutral Salt Solution

Approval Signatory: CHEN, Yi-Sung; TSAI, Wen-Da

M013 Torque Test for Full-size Threaded Fasteners
JSS II09
JIS B1186
ASTM A325 (2014)
ASTM F1852 (2014)
ASTM F2280 (2014)
ASTM F3125/F3125M
IFI-124
IFI-524
IFI-125
IFI-525
DIN 946
ISO 16047
Axial Force: (4 to 500) kN
Torque: (4 to 2000) N·m

Approval Signatory: CHEN, Yi-Sung; TSAI, Wen-Da

M014 Proof Load of Full-size Externally Threaded Fasteners (Length Measurement Method)
ASTM F606/F606M
ISO 898-1
SAE J429
JIS B1051
(2 to 980) kN

Approval Signatory: CHEN, Yi-Sung; TSAI, Wen-Da



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M016 Embitterment Test
ASTM F606/F606M
ISO 15330
JIS B1045
(1/4 to 1 1/4) in
M6~M30

Approval Signatory: CHEN, Yi-Sung; TSAI, Wen-Da

M017 External Thread Parameters-System 21
ASME B1.3
(1/4 to 1 1/4) in
M4 to M30

Approval Signatory: CHEN, Yi-Sung; TSAI, Wen-Da

M017 External Thread Parameters-System 22
ASME B1.3
(1/4 to 1 1/4) in
M6 to M30

Approval Signatory: CHEN, Yi-Sung; TSAI, Wen-Da

M017 External Thread Parameters
ISO 1502 Sec. 7.1.1, 7.1.9
JIS B0251 Sec. 7.1.1, 7.1.9
M4 to M30

Approval Signatory: CHEN, Yi-Sung; TSAI, Wen-Da

M017 Dimensions of General Purpose Fasteners and High-volume Machine Assembly Fasteners
JIS B1071
Caliper: (0 to 300) mm
Micrometer: (0 to 50) mm
Dial Gage: (0 to 25.4) mm
Projecter: X-axis: (0 to 300) mm, Y-axis: (0 to 200) mm, Angle: 0° to 360°

Approval Signatory: CHEN, Yi-Sung; TSAI, Wen-Da



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M101 Rockwell Superficial Hardness
ASTM E18
ASTM F606/F606M
SAE J429
(44.1 to 78.0) HR30N

Approval Signatory: CHEN, Yi-Sung; TSAI, Wen-Da

M101 Rockwell Hardness
ASTM E18
ISO 898-1
ISO 898-2
ASTM F606/F606M
SAE J429
JIS B1051
JIS B1052 (1998)
(18.7 to 61.6) HRC

Approval Signatory: CHEN, Yi-Sung; TSAI, Wen-Da

M103 Vickers Hardness
ASTM E384
ASTM F606/F606M
ISO 898-1
JIS B1051
(240 to 600) HV 0.3
>600 HV 0.3

Approval Signatory: CHEN, Yi-Sung; TSAI, Wen-Da

M153 Surface Discontinuities of Externally Threaded Fasteners
ASTM F788
SAE J1061 (2012)
ISO 6157-1
ISO 6157-3
JIS B1041
JIS B1043

Approval Signatory: CHEN, Yi-Sung; TSAI, Wen-Da

M153 Surface Discontinuities of Internally Thread Fasteners (Nuts)
ASTM F812 (Exclude Sec. 6.5.2, 7.1)
ISO 6157-2 (Exclude Sec. 4.2, 4.3)
JIS B1042 (Exclude Sec. 4.2, 4.3)

Approval Signatory: CHEN, Yi-Sung; TSAI, Wen-Da



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◤ 01. 03 Metals and Alloys Products
Fasteners, Shear Connectors
M002 Tension Testing of Machined Specimens from Externally Threaded Fasteners
ASTM F606/F606M
ASTM A370
ISO 898-1
SAE J429
JSS II09
JIS B1186
JIS B1051
JIS B1198
(2 to 980) kN

Approval Signatory: CHEN, Yi-Sung; TSAI, Wen-Da

◤ 01. 03 Metals and Alloys Products
Shear Connectors
M002 Tension Test for Shear Connectors
AWS D1.1/D1.1M
CNS 4689
JIS B1198
(2 to 980) kN

Approval Signatory: CHEN, Yi-Sung; TSAI, Wen-Da

M005 Bend Test for Shear Connectors
AWS D1.1/D1.1M
CNS 4689
(1/4 to 7/8) in
M6 to M22

Approval Signatory: CHEN, Yi-Sung; TSAI, Wen-Da

◤ 01. 03 Metals and Alloys Products
Nuts
M014 Proof Load of Internally Threaded Fasteners (Tension Method)
ASTM F606/F606M
SAE J995
ISO 898-2
JIS B1052 (1998)
(2 to 980) kN

Approval Signatory: CHEN, Yi-Sung; TSAI, Wen-Da



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M017 Internal Thread Parameters-System 21
ASME B1.3
(5/8 to 1 1/8) in

Approval Signatory: CHEN, Yi-Sung; TSAI, Wen-Da

M017 Internal Thread Parameters
ISO 1502 Sec. 7.2
JIS B0251 Sec. 7.2
M16 to M24

Approval Signatory: CHEN, Yi-Sung; TSAI, Wen-Da

(Null below)



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