



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

## Certification Accreditation

(Certificate No : L0099-230206)

This is to certify that

**Metal Industries Research & Development Centre  
Mechanical Testing Laboratory**

No.25, 37th Road, Industrial Park, Taichung City 407, Taiwan (R.O.C.)

**is accredited in respect of laboratory**

**Accreditation Criteria** : ISO/IEC 17025:2017 ; CNS 17025:2018

**Accreditation Number** : 0099

**Originally Accredited** : February 01, 1994

**Effective Period** : February 13, 2023 to February 12, 2026

**Accredited Scope** : Testing Field, see described in the Appendix

**Specific Accreditation Program** : Accreditation Program for Designated Testing Laboratory  
for Commodities Inspection



Scan to verify

*Ching-Chang Lien*

Ching-Chang Lien  
President, Taiwan Accreditation Foundation  
February 06, 2023

Accreditation Number : 0099

Laboratory Head : SU, Yuan-Da

▀ 01. 01 Metals and Alloys Products

Metal Test Pieces, Metal Test Bars, 5G Smart pole

M002 Tension

CNS 2111

JIS Z2241

ASTM E8/E8M

ASTM A370

5G Smart pole technical specification (Draft) -Part 3 Sec. 5.4.2 (2022)

(0.98 to 931) kN

(100 to 95000) kgf

Approval Signatory: CHIANG, Ching-Liu; CHEN, Chung-Hsien

▀ 01. 01 Metals and Alloys Products

Welding Test Pieces

M002 Tension

ASME BPVC Sec. IX

AWS D1.1/D1.1M

(0.98 to 931) kN

(100 to 95000) kgf

Approval Signatory: CHIANG, Ching-Liu; CHEN, Chung-Hsien

▀ 01. 01 Metals and Alloys Products

Metal Test Pieces

M005 Bend (Guided Bend Method)

CNS 3941

ASTM A370

ASME BPVC Sec. IX

AWS D1.1/D1.1M

No Die Test

Thickness or Diameter  $\leq$  25 mm

Approval Signatory: CHIANG, Ching-Liu; CHEN, Chung-Hsien

▀ 01. 01 Metals and Alloys Products

Metal Products

M101 Rockwell and Rockwell Superficial Hardness

CNS 2114

P2, total 6 pages

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



ASTM E18  
(20 to 65) HRC  
(40 to 100) HRBW  
(43 to 83) HR30TW

Approval Signatory: CHEN, Chung-Hsien; SU, Yuan-Da

M102 Brinell Hardness  
CNS 2113-1  
ASTM E10  
(125 to 495) HBW 10/3000

Approval Signatory: CHEN, Chung-Hsien; SU, Yuan-Da

▀ 01. 01 Metals and Alloys Products  
Mechanical Seals of Freight Containers  
M996 Tensile Test  
Shear Test  
Bending Test  
Impact Test  
Diameter for Metal Parts  
ISO 17712 (2013) Sec. 5.2, 5.3, 5.4, 5.5, 4.1.3  
CNS 17712 (2014) Sec. 5.2, 5.3, 5.4, 5.5, 4.1.3  
Tensile: (1 to 45) kN  
Shear: (1 to 45) kN  
Bending:  $\leq 132 \text{ N}\cdot\text{m}$ ,  $\leq 502 \text{ Cycles}$   
Impact: 18 °C, -27 °C,  $\leq 40.68 \text{ J}$   
Bolt Seal Diameter  $\leq 25 \text{ mm}$

Approval Signatory: CHIANG, Ching-Liu; CHEN, Chung-Hsien

▀ 01. 03 Metals and Alloys Products  
Fasteners  
M002 Axial Tensile Strength of Full-Size  
Threaded Fasteners  
ASTM F606/F606M  
ISO 898-1  
(400 to 300000) kgf

Approval Signatory: CHIANG, Ching-Liu; CHANG, Tzu-Fen; CHEN, Chung-Hsien

M013 Torque Test for Full-size Threaded Fasteners  
ISO 16047  
Axial Force: (196133 to 2451663) N  
(20000 to 250000) kgf

P3, total 6 pages

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



Torque: (500 to 5000) N·m  
(51 to 510) kgf·m  
The size range  $\leq$  M39

Approval Signatory: CHANG, Tzu-Fen; CHEN, Chung-Hsien; SU, Yuan-Da

15. 02 Medical Devices

Non-wood Walking Stick

M996 Dimension, Structure Safety and Performance Tests  
CNS 15192

Approval Signatory: CHIANG, Ching-Liu; CHEN, Chung-Hsien

16. 01 Machine and Equipment

Machining Centres, Milling Machines, Transfer  
Machines

M207 Product Safety Inspection  
ISO 16090-1  
EN ISO 16090-1  
On-site Testing

Approval Signatory: LIU, Chin-Wei

16. 01 Machine and Equipment

Sawing Machines for Cold Metal

M207 Product Safety Inspection  
ISO 16093  
EN ISO 16093  
On-site Testing

Approval Signatory: LIU, Chin-Wei

16. 01 Machine and Equipment

Turning Machines

M207 Product Safety Inspection  
CNS15883  
ISO 23125  
EN ISO 23125  
On-site Testing

Approval Signatory: LIU, Chin-Wei



16.08 Machine and Equipment

Hand Feed Planner, Protective Device to Prevent the Operator from Touching the Cutting Blade for Hand Feed Planner

M207 Safety, Prevention and Guarding Device Inspection

Safety, Prevention and Guarding Device Inspection Safety Criteria for Machinery, Equipment and Appliance Chapter 3, Chapter 8 Sec. 115, Chapter 9 Sec. 120, Occupational Safety and Health Administration, Ministry of Labor

Approval Signatory: CHEN, Chung-Hsien

16.09 Machine and Equipment

Portable Electric Circular Sawing Machine

M207 Safety, Prevention and Guarding Device Inspection

Safety Criteria for Machinery, Equipment and Appliance Chapter 4, Chapter 8 Sec. 116, Chapter 9 Sec. 120, Occupational Safety and Health Administration, Ministry of Labor

Approval Signatory: CHEN, Chung-Hsien

16.09 Machine and Equipment

Circular Sawing Machinery for Woodwork, Anti-Kickback Protective Device and Saw Teeth Touching Protective Devices for Circular Sawing Machinery for Woodwork

M207 Safety, Prevention and Guarding Device Inspection

Safety Criteria for Machinery, Equipment and Appliance Chapter 4, Chapter 8 Sec. 116, Chapter 9 Sec. 120, Occupational Safety and Health Administration, Ministry of Labor

Approval Signatory: CHEN, Chung-Hsien

16.10 Machine and Equipment

Portable Abrasive Wheel

M207 Safety, Prevention and Guarding Device Inspection

Safety Criteria for Machinery, Equipment and Appliance Chapter 6, Chapter 8 Sec. 118, Chapter 9 Sec. 120, Occupational Safety and Health Administration, Ministry of Labor

Approval Signatory: CHEN, Chung-Hsien

16.10 Machine and Equipment

Portable Disc Grinding Machine

M207 Safety, Prevention and Guarding Device Inspection

Safety Criteria for Machinery, Equipment and Appliance Chapter 6, Chapter 8 Sec. 118, Chapter 9 Sec. 120, Occupational Safety and Health Administration, Ministry of Labor

Approval Signatory: CHEN, Chung-Hsien



▀ 16. 10 Machine and Equipment

Grinding Machine

M207 Safety, Prevention and Guarding Device Inspection

Safety Criteria for Machinery, Equipment and Appliance Chapter 6, Chapter 8 Sec. 118,  
Chapter 9 Sec. 120, Occupational Safety and Health Administration, Ministry of Labor

Approval Signatory: CHEN, Chung-Hsien

▀ 16. 99 Machine and Equipment

Electrical Equipment of Industrial Machines

E001 Verification of the Continuity of the Protective Bonding Circuit

Voltage Tests

Insulation Resistance Tests

Protection Against Residual Voltages

IEC 60204-1

EN 60204-1

On-site Testing

Approval Signatory: LIU, Chin-Wei

**Accreditation Program for Designated Testing Laboratory for  
Commodities Inspection**

▀ 15. 02 Medical Devices

Non-wood Walking Stick

M996 Dimension, Structure Safety and Performance Tests

CNS 15192 (2013, Oct.)

Approval Signatory: CHIANG, Ching-Liu

(Null below)

