

# **3- Test Report**



**INSPECTION CALIBRATION LABORATORY of  
HUNG TA INSTRUMENT (M) SDN BHD**

**CALIBRATION REPORT**

Report No. : HTI/23/46/HMZ/SU  
Date : August 24, 2023

Submitted By : Vibratex Industries Sdn Bhd  
No.1, Jalan Kusta 1  
Industri Kampung Jaya  
47000 Sungai Buloh, Selangor  
Tel : 03-6151 4660

Instrument : Computer Servo Control Material Testing Machine  
Manufacturer : Hung Ta Instrument Co., Ltd.  
Model : HT-2402  
Serial No. : 4250  
Capacity : 2,000 Kgf

Instrument Condition When Received : Physically in good condition.

Instrument Condition When Returned :-

Calibrated and test serviceable at the time of calibration within the tolerance range of  $\pm 1\%$ .

Environmental Condition :-

Temperature : 26.3 Degree Celsius

Relative Humidity : 55%RH

Calibration Date : August 23, 2023

Calibration Due Date : August 22, 2024

Calibration Method :-

1. The instrument was calibrated subject to the calibration procedures of Inspection Calibration Laboratory of Hung Ta Instrument Co., Ltd. where the calibration standards used are periodically calibrated against Standards traceable to the National Laboratory or other national laboratories recognized by the National Laboratory.
2. The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor  $k=2$  providing a level of confidence of approximately 95%.

Calibration Standard Used :-

Instrument Type :

Serial No. :

Traceability :

Load Cell With Indicator

S21071001

SIRIM Standards Technology Sdn. Bhd.

Capacity : 2,000Kgf

(1705084)

Certificate No.: SST/SA/R/2022K/544

Model No.: PBCL-03(E-8000C)

  
Approved by : Technical Manager

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## INSPECTION CALIBRATION LABORATORY OF HUNG TA INSTRUMENT (M) SDN BHD

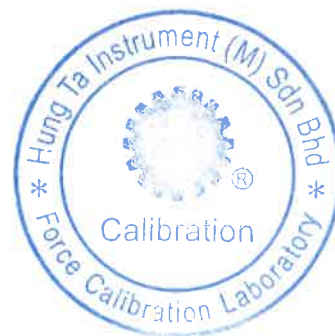
Report No. : HTI/23/46/HMZ/SU  
Date : August 24, 2023  
Serial No. : 4250  
Instrument : Computer Servo Control Material Testing Machine

### CALIBRATION RESULTS

Calibration No. : AU24TH46/23/HMZ  
Model : HT-2402  
Manufacturer : Hung Ta Instrument Co., Ltd.  
Range : 2,000Kgf

| Load                                               | Setting   | INDICATION VALUE |          |          |          | RELATIVE<br>ACCURACY<br>ERROR | RELATIVE<br>REPEATABILITY<br>ERROR | UNCERTAINTY |
|----------------------------------------------------|-----------|------------------|----------|----------|----------|-------------------------------|------------------------------------|-------------|
| Range(Kgf)                                         | Load(Kgf) | Test 1           | Test 2   | Test 3   | Average  | %                             | %                                  | (Kgf)       |
| 0<br> <br> <br> <br> <br> <br> <br> <br> <br>2,000 | 0         | 0.00             | 0.00     | 0.00     | 0.00     | 0.00                          | 0.00                               | 9.34        |
|                                                    | 200       | 201.50           | 200.70   | 200.80   | 201.00   | 0.50                          | 0.40                               |             |
|                                                    | 400       | 402.00           | 401.00   | 400.80   | 401.27   | 0.32                          | 0.30                               |             |
|                                                    | 600       | 604.00           | 604.50   | 604.20   | 604.23   | 0.71                          | 0.08                               |             |
|                                                    | 800       | 803.50           | 803.40   | 805.00   | 803.97   | 0.50                          | 0.20                               |             |
|                                                    | 1,000     | 1,004.50         | 1,005.50 | 1,000.30 | 1,003.43 | 0.34                          | 0.52                               |             |
|                                                    | 1,200     | 1,206.00         | 1,202.70 | 1,200.50 | 1,203.07 | 0.26                          | 0.46                               |             |
|                                                    | 1,400     | 1,407.50         | 1,405.20 | 1,403.00 | 1,405.23 | 0.37                          | 0.32                               |             |
|                                                    | 1,600     | 1,605.00         | 1,605.30 | 1,603.50 | 1,604.60 | 0.29                          | 0.11                               |             |
|                                                    | 1,800     | 1,806.00         | 1,805.50 | 1,802.00 | 1,804.50 | 0.25                          | 0.22                               |             |

Calibrated by :  
Mohd Hamizi Bin Mohd Ishak



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SAMM 088

# CERTIFICATE OF CALIBRATION

DATE OF ISSUE : 08 November 2022

CERTIFICATE NO : SST/SA/R/2022K/544

ISSUED BY : SIRIM Standards Technology Sdn. Bhd.

(Co No.:292201-P)

Lot 12, 18 &amp; 20,

Jalan Beremban 15/12, Seksyen 15,

40200 Shah Alam,

Selangor Darul Ehsan

Tel:+603 5510 9066 Fax:+603 5510 9077

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APPROVED SIGNATORIES

Muhamad Saiful Bin Jamaludin

Submitted by : Hung Ta Instruments (M) Sdn. Bhd.

109, Taman A.S.T.

Jalan Sungai Ujong,

70200 Seremban, Negeri Sembilan.

Attn:Mr Jacky

Job No. : SA2022-5513-1

Date Received : 26/10/2022

Instrument : Load Cell with Indicator

Manufacturer : SHPBST (Eong)

Model No. : PBCL-03 (E-8000C)

Serial No. : S21071001 (1705084)

Instrument Condition When Received :

Physically in good condition

Instrument Condition When Returned :

Calibrated and test serviceable

**Environmental Condition:-**Average Temperature : ( 23  $\pm$  1) °CAverage Relative Humidity : (54  $\pm$  1) %

Calibration Date : 08 November 2022

**Calibration Method :**

This instrument was calibrated using the calibration procedures No. MSF/0002 Rev. 8.0

**Calibration Standard(s) Used :**

| <u>Instrument Type :</u> | <u>Serial No. :</u> | <u>Cal. Due Date :</u> | <u>Cal. Cert. No.:</u> | <u>Traceability :</u> |
|--------------------------|---------------------|------------------------|------------------------|-----------------------|
| Load Cell with Indicator | 437187A             | 17/12/2022             | NMIM-2282-M-21         | NMIM                  |

The standard instruments used in this calibration are traceable to either the National Standards maintained at the National Metrology Institute of Malaysia or other recognised International Standard Laboratories

Calibration Sticker No.: SA-11-544

Measurement Uncertainty :  $\pm$  3.5 kgf

The uncertainty calculation is based on the ISO guide to the expression of uncertainty in measurement.

Coverage Factor,  $k=2$ 

Approved Signatory

Muhamad Saiful Bin Jamaludin

The uncertainties are for a confidence probability of approximately 95%

This certificate is issued in accordance with the conditions of accreditation granted by the SAMM which has assessed the measurement capability of the laboratory and its traceability to recognised national standards and to the units of measurement realised at the corresponding national standards laboratory. Copyright of this certificate is owned by the issuing laboratory and may not be reproduced other than in full except with the prior written approval of the Head of the issuing laboratory.

# CERTIFICATE OF CALIBRATION

DATE OF ISSUE: 08 November 2022

CERTIFICATE NUMBER: SST/SA/R/2022K/544

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Instrument : Load Cell with Indicator

Serial No. : S21071001 (1705084)

## CALIBRATION RESULTS

Range : 2000 kgf

Graduation : 0.50 kgf

| Standard Applied<br>( kgf ) | Actual Equipment Reading ( kgf ) |                  |        |
|-----------------------------|----------------------------------|------------------|--------|
|                             | Before Adjustment                | After Adjustment | Limits |
| 0                           | 0.00                             | N/A              | N/A    |
| 200                         | 198.50                           | N/A              | N/A    |
| 400                         | 396.50                           | N/A              | N/A    |
| 600                         | 595.00                           | N/A              | N/A    |
| 800                         | 794.00                           | N/A              | N/A    |
| 1000                        | 992.50                           | N/A              | N/A    |
| 1200                        | 1191.50                          | N/A              | N/A    |
| 1400                        | 1389.00                          | N/A              | N/A    |
| 1600                        | 1587.50                          | N/A              | N/A    |
| 1800                        | 1785.50                          | N/A              | N/A    |
| 1900                        | 1884.00                          | N/A              | N/A    |

Note : No adjustment carried out

: Limits not available ( N/A )

Calibrated By :



Mohd Rais Bin Ramli

The uncertainties are for a confidence probability of approximately 95%

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# **4- Certificate**

# CERTIFICATE OF REGISTRATION

This is to certify that the management system of:

## Vibratech Industries Sdn Bhd

Main Site: No. 164 & 165, Jalan KIP 5, Taman Perindustrian KIP,  
52200 Kuala Lumpur, Malaysia

has been registered by Intertek as conforming to the requirements of:

## ISO 9001:2015

The management system is applicable to:

Assembly of Spring and Rubber Vibration Isolators for Noise and  
Vibration Control

**Certificate Number:**

Q180788-2

**Initial Certification Date:**

13 October 2014

**Last Certificate Expiry Date:**

28 September 2022

**Date of Last Recertification Audit:**

12 September 2022

**Certification Cycle Start Date:**

28 October 2022

**Issuing Date:**

28 October 2022

**Valid Until:**

28 September 2025



**intertek**



014

A handwritten signature in black ink, appearing to read 'Calin Moldovean'.

**Calin Moldovean**

President, Business Assurance

Intertek Certification Limited, 10A Victory Park,  
Victory Road, Derby DE24 8ZF, United Kingdom

Intertek Certification Limited is a UKAS  
accredited body under schedule of  
accreditation no. 014.

