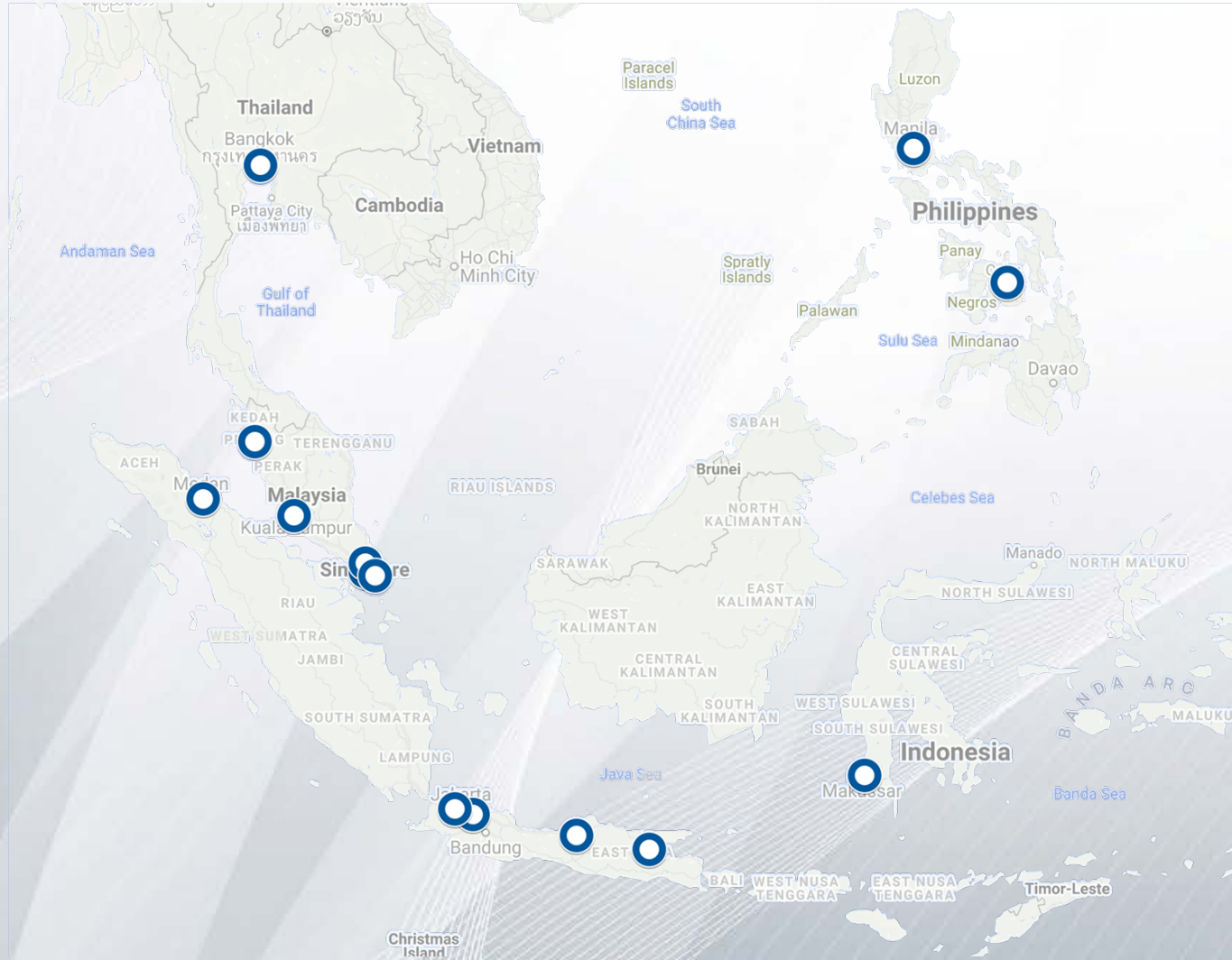


Corporate Profile

Efficient and Reliable Metrology

- 37 years of experience in the Metrology field
- Partner with principals who are global leaders in their fields
- Uniform high standards of service delivery across all offices
- Supporting customers' quests for production efficiencies and quality

Our Locations



- Singapore
 - Bukit Merah
- Malaysia
 - Shah Alam, KL
 - Bayan Bay, Penang
 - EcoWorld, Johor
- Philippines
 - Alabang, Manila
 - Cebu
- Indonesia
 - Cikarang
 - Surabaya
 - Medan
 - Semarang
 - Makassar
 - Banten
 - Batam
- Thailand
 - Nonthaburi

Our Management Team

Lim Seng Hoo	Group Managing Director
John Suwahjo	President Director (Indonesia)
Robin Lim	Director
Tan Peng	Executive Director (Thailand); Sales Director (Singapore)
Hideo Tsuruta	General Manager (Philippines)
Evin Chong	General Manager (Malaysia)
Loh Kum Seng	Technical Service, Group Advisor
Wong Kian Wah	Technical Service, Group HOD

What we do

Cairnhill Metrology is an industrial metrology solutions provider established on 16 August 1983. Working with a long-term view, we partner with principals who are global leaders in their fields, whose strengths in technology and innovation, we complement with up-to-date uniform high standards of service delivery through our network of offices in Singapore, Malaysia, Indonesia, the Philippines and Thailand.

VISION

Be our customers' trusted industrial metrology solutions provider of choice in the region

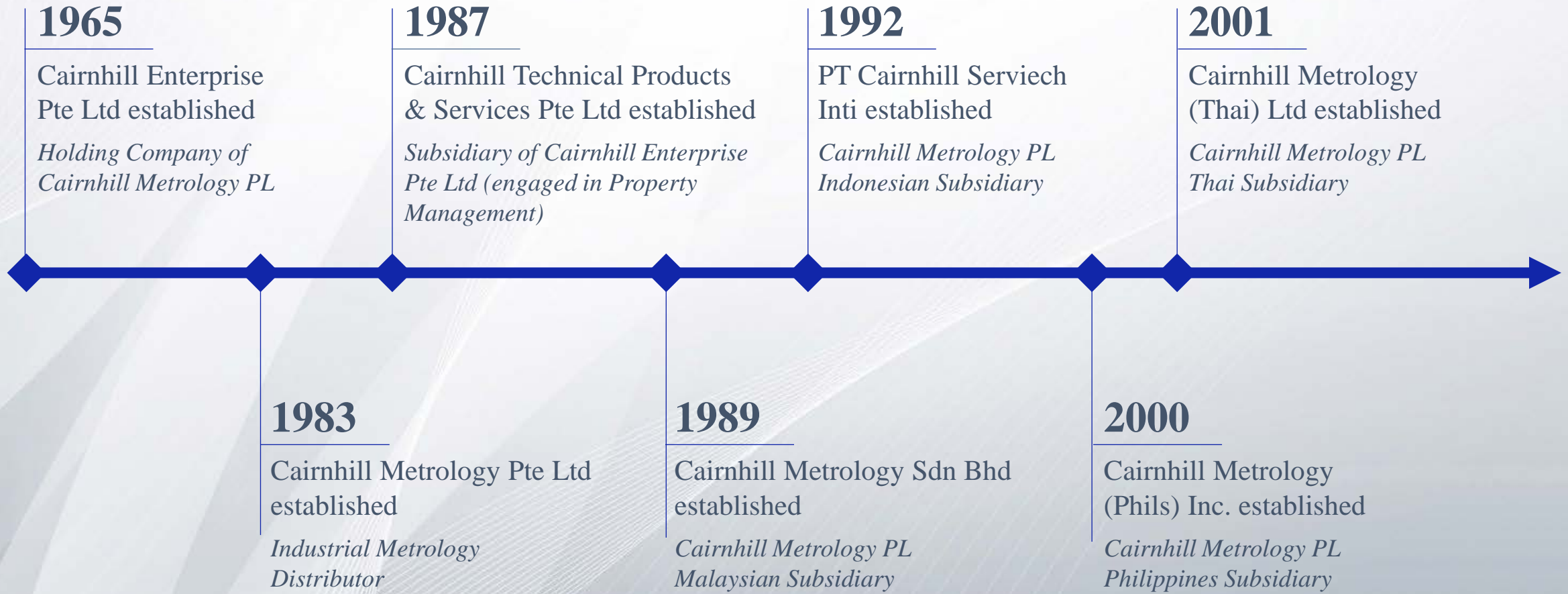
MISSION

Support our customers' quests for production efficiencies and quality via appropriate and reliable metrology solutions, supported throughout the solutions useful life

VALUES

“What you wish that others do to you, do so to them”

Our History



Our Accreditations

We are certified to ISO/IEC 17025:2017 Laboratory Accreditation in Singapore, Malaysia, Thailand and Philippines by Singapore Accreditation Council (SAC-Singlas) and in Indonesia by Komite Akreditasi Nasional (KAN).

The general scope of accreditation covers calibration of Coordinate Measuring Machines, Optical Non-Contact Coordinate Measuring Machines, Surface Roughness, Contour and Roundness Testers, Profile Projectors and Universal Length Microscopes. Our calibration labs in Thailand and the Philippines are also accredited for Portable Coordinate Measuring Machines. **NEW** since Mar 2020 is the addition of Checkweighing systems in Malaysia.



Our Certifications (Singapore)

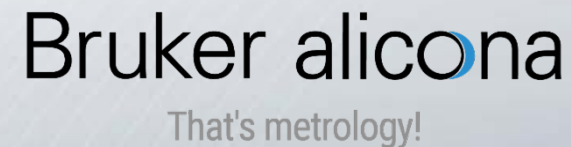
bizSAFE Level 4 by The Workplace Safety and Health Council



Adopted the Tripartite Standards, and has committed to be a fair and progressive employer



Our Advanced Technologies



Enhancing Safety, Quality and Efficiency



High precision, high throughput, industrial computed tomography (CT) solutions

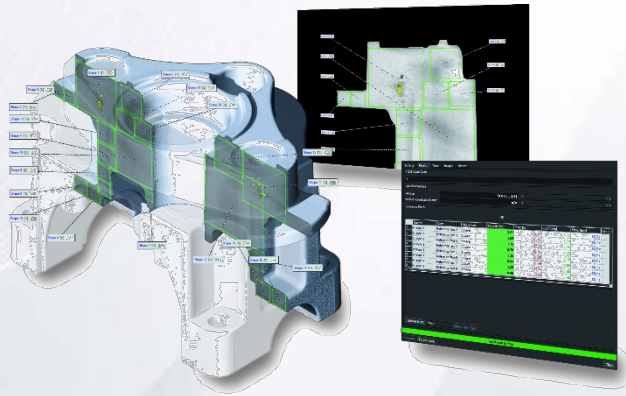


v|tome|x m

Waygate Technologies, a Baker Hughes business, provides 2D and 3D computed tomography (CT) services across industries that include aviation, automotive, electronics, additive and industrial manufacturing. Its nondestructive 3D metrology enables high-speed 3D process control to ensure greater safety, quality, and efficiency.

- Fast, accurate and precise solutions create reproduce-able 3D product information and reduce inspection times from hours to minutes (i.e., from 60mins to 1.5 mins).
- Artifact-free precision increases sensor sensitivity, doubling CT speed/resolution.
- Fully automated workflows help lower operational costs.

Industrial CT as a Basis



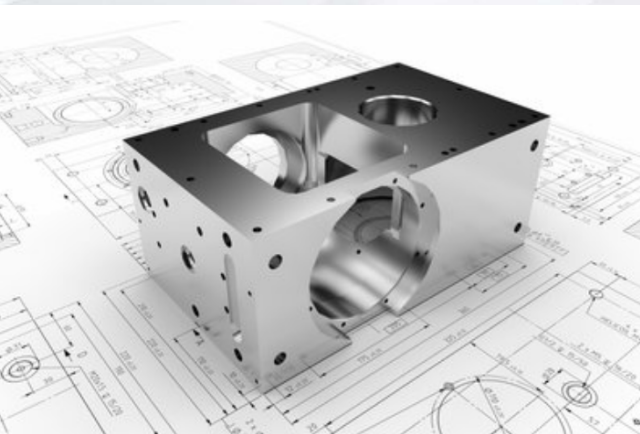
VGStudioMax

Volume Graphics helps you learn as much about your product as possible. Industrial computed tomography (CT) is the ideal tool, as a CT scan reveals every aspect of a component. Volume Graphics software uses the numerous projections that are collected during the scan to reconstruct a three-dimensional volume including all material and geometric information. With the Volume Graphics product family, all kinds of analyses and visualizations can be carried out directly on data from industrial CT.

- **VGSTUDIO MAX**
- **VGSTUDIO**
- **VGMETROLOGY**
- **VGinLINE**
- **myVGL**

Applications of Industrial CT

- 3D Metrology with CT
- Casting
- Injection Molding
- Tool Correction
- Additive Manufacturing
- Automated CT Inspection
- CT Reconstruction
- Micromechanics Simulation



Why CT?

The Most Reliable Technology for 3D Inspection

Computed tomography (CT) data provides a comprehensive view of a part because of its ability to accurately represent both surfaces and inner structures. CT offers the unique possibility of getting a full understanding of a part's quality.



CT reconstruction produces a complete representation of a component in 3D based on a large number of 2D X-ray images, allowing users to draw conclusions on the external and internal structures of a component and its material properties. Thus, CT can answer more complex questions than tactile or optical inspection methods.

Focus-Variation Technology

Bruker alicon
That's metrology!



μCMM

Bruker Alicona is a global provider of optical, industrial measurement technology for quality assurance of complex components of different shapes, sizes and materials. Based on the technology of Focus-Variation, Bruker Alicona systems close the gap between classical dimensional metrology and surface roughness measurement, since users can measure both GD&T features and roughness parameters robustly, accurately, traceably and in high repeatability by using only one optical sensor.

- **Focus-Variation** – Form and roughness in one system, combining the functionalities of a surface measuring instrument with those of a form measuring system.
- **Vertical Focus Probing** – Optical measuring technique enables lateral probing of components, an extension of Focus-Variation technology. Based on areal measurements, the optical probing of components over the entire surface is possible.
- **Real 3D** – Full form measurement of surfaces from numerous perspectives, automatically merging single measurements into a full 3D dataset.

Patented DEAP analysis



Opt Scope

Accretech measurement solutions enable tactile and non-contact quality measurements for surface roughness and profiles, including measuring roundness, levelness, concentricity, coaxiality, axial run-out, radial run-out, perpendicularity, cylindricity, parallelism and straightness, and are used by renowned companies for quality assurance.

The **Opt-scope** has a vertical resolution of 0.01nm and a vertical scanning range of 20mm.

- Non-contact and quick measurements for 3D surface structures of processed components and contour profiles with white light interferometer
- Patented **DEAP** (Detection of Envelope and Absolute Phase) analysis includes a specially developed algorithm for improved data structure
- Ideal for sensitive surfaces which could be damaged by tactile measurements, as well as very small and difficult to access measurement positions

Our Solutions



Food, Pharmaceutical Industrial Solutions

In-Line Automated Checkweighers, X-ray and Metal Detectors



X-Ray CT Inspection and Metrology

3D X-Ray CT for industrial / metrology applications



Industrial Metrology Technology

CMMs (touch, optical, and laser scanning), Surface roughness, Contour and Roundness, Gear testers, Universal length Metroscopes, Profile projectors



Portable Metrology

Portable-Arm CMMs, Laser and Optical Trackers with reflectors, touch probes & laser scanners, 3D Digitizers, Laser and Gap & Flush Gauges



Software Solutions

Software for Visualisation, Analysis, Metrology, Process Control and Reverse Engineering

Food, Pharmaceutical Industrial Solutions



X-Ray System



Metal Detector



Checkweigher

X-Ray CT Inspection and Metrology



minifocus system



industrial CT system with
scatter|correct



nanoCT® system

Industrial Metrology Technology



CMM



Contour & Roughness
Measurement



3D Form & Surface Measurement

Portable Metrology



Portable CMM



3D White Light Scanner

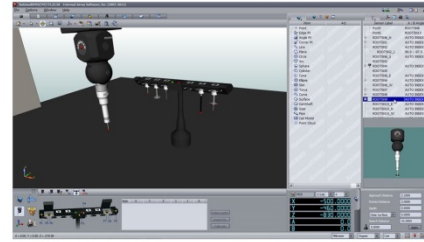


Laser Tracker

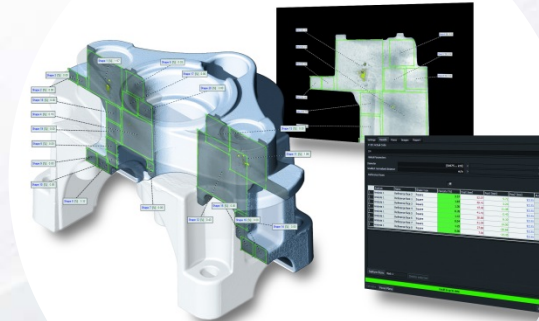
Software Solutions



Inspection & Reverse Engineering
Software



3D CMM Software

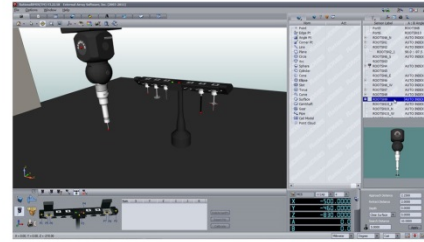


3D CT Software

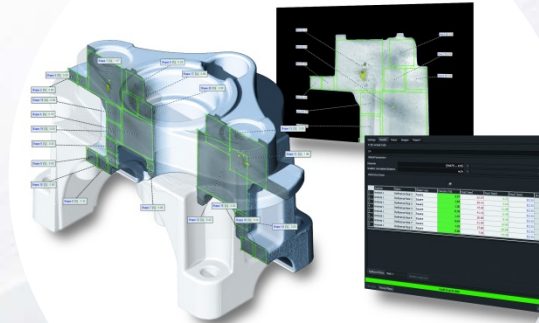
Software Solutions



Inspection & Reverse Engineering
Software



3D CMM Software



3D CT Software

Our Applications & Measurement Services

- Dimensioning and GD&T
- Surface Finishing & Profiling
- Reverse Engineering
- X-Ray Computed Tomography
- Training

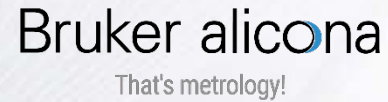


Our Technical Services

- Pre- and Post-Sales Support
- Commissioning and Training
- PM, Trouble-Shooting and Repairs
- Performance Verification and Calibration
- Annual Service Contracts
- Retrofits & Upgrades
- Rental/Pre-Owned Equipment Sale



Our Illustrious Principals



Our Valued Customers



Our Offices

Singapore

Cairnhill Metrology Pte Ltd
5 Jalan Kilang Barat #07-05/06
Petro Centre, Singapore 159349
T: +65 6890 0041 F: +65 6567 5940

Malaysia (Kuala Lumpur)

Cairnhill Metrology Sdn Bhd
18 Jalan Serendah 26/41, Sekitar 26, Seksyen 26
40400 Shah Alam, Selangor Darul Ehsan, Malaysia
T: +60 3 51911200 F: +60 3 51036873

Indonesia (Jakarta)

PT Cairnhill Serviech Inti
Delta Commercial Park, Jl. Kenari Jaya
Blok B5-B6, Jayamukti, Cikarang Pusat
Kab. Bekasi, Jawa Barat 17815, Indonesia
T: +62 21 89909127 F: +62 21 8973263

Thailand (Bangkok)

Cairnhill Metrology (Thai) Ltd
89 Cosmo Office Park, 7th Floor Unit N
Popular Road, Ban Mai, Pakkret
Nonthaburi 11120, Thailand
T: +66 2 1160501 F: +66 2 1160503

Philippines (Manila)

Cairnhill Metrology (Phils) Inc
Unit 1504 Prime Land Building, B6 L5
Market St. Madrigal Business Park
Ayala Alabang, Muntinlupa City, 1780 Philippines
T: +63 2 88428116 F: +63 2 88428117

Malaysia (Penang)

Cairnhill Metrology Sdn Bhd
10-G Persiaran Bayan Indah, Bayan Bay
Sungai Nibong, 11900 Penang, Malaysia
T: +60 4 6446964 F: +60 4 6447586

Indonesia (Surabaya)

PT Cairnhill Serviech Inti
Ruko Monroe at Perumahan Kahuripan Nirwana
Jl. Raya Boulevard Kahuripan No. 72
Sidoarjo, East Java – Indonesia
T : +62 811 319734

Thailand (Metrology Applications Centre)

Cairnhill Metrology (Thai) Ltd
89 Cosmo Office Park, 1st Floor Unit 6
Popular Road, Ban Mai, Pakkret
Nonthaburi 11120, Thailand
T: +66 2 1160501 F: +66 2 1160503

Philippines (Cebu)

Cairnhill Metrology (Phils) Inc
Unit 509 IMEZ Bldg, Pueblo Verde
Mactan Economic Zone II
Lapu-Lapu City, Mactan, Cebu, 6015 Philippines
T: +63 32 5135963 F: +63 32 5203196

Malaysia (Johor Bahru)

Cairnhill Metrology Sdn Bhd
19 Jalan Ekoperniagaan 2/8, Taman Ekoperniagaan
81100 Johor Bahru, Johor, Malaysia
T: +60 7 5627066 F: +60 7 5625066

Indonesia (Medan)

PT Cairnhill Serviech Inti
T : +62 812 6045015

Contact Us



www.cairnhill.com



sales@cairnhill.com



<https://www.facebook.com/cairnhillmetrology/>



<https://www.linkedin.com/company/cairnhill-metrology-group/>



<https://twitter.com/CairnhillM>



<https://www.youtube.com/channel/UCLeMTJQ7nH7ZFnOv7WeY0QA>