

We Test Things

Company Profiles

H-Test Ltd tests safety helmets and playground safety surfaces

P-Test Ltd tests products and materials

C-Test Ltd tests gas cylinders



52
Ctest
cylinder testing



Htest
helmet testing

Ctest
cylinder testing

Ptest
product testing

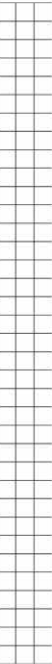
COMPANY PROFILE



Imtest Laboratory was established in 1983 as a privately-owned independent laboratory specialising in mechanical testing and assessment.

In November 2003 Imtest was divided into three stand-alone companies, H-Test Limited, P-Test Limited and C-Test Limited. All staff previously employed by Imtest Limited were transferred to the appropriate company, ensuring continuity of service and expertise.

Imtest and the three stand-alone companies have had continuous IANZ accreditation since establishment.





Reference Plane

Basic Plane

Équipements
De Tests Pour
Testing Laboratory
Laboratory Equipments



ADEX Inc.

Tel. : (450) 348-6774
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SAFETY HELMETS & PLAYGROUND SAFETY SURFACE TESTING

H-Test Laboratory tests protective headgear and playground safety surfaces

Well-qualified and experienced staff, including four IANZ Approved Signatories, working in H-Test's purpose built laboratories test protective headgear and playground safety surfaces to a wide range of national and international standards and regulations, and also perform many non-standard and special tests.

Accurate test and inspection results are critical for the success of industry, for public health and safety, and for care of the environment.

Because H-Test has no affiliation with any manufacturer or supplier, clients are assured of unbiased testing, impartial analysis of data and complete confidentiality.

H-Test is an IANZ Accredited Test Laboratory.

International Accreditation New Zealand (IANZ) is the Government agency responsible for the accreditation of testing and calibration laboratories, based on their technical competence.

H-Test has been assessed by IANZ against NZS/ISO/IEC17025 – General requirements for the competence of testing and calibration laboratories, and IANZ publication “Procedures and Conditions of Accreditation”, and has been accredited in the Mechanical Class 4.30 – Seat Belts and Safety Equipment since inception.

IANZ has mutual recognition agreements with NATA Australia, NAMAS in the United Kingdom, and similar organisations in Europe, Japan, Hong Kong, China, the USA and Canada, allowing results produced at H-Test to be internationally accepted.

H-Test is also recognised by SAI Global Assurances Services Australia, Bureau Veritas (NZ) and Benchmark, for helmet testing to New Zealand and Australian standards.



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Accreditation Number: 197.*

We offer excellent testing services at realistic prices



SPECIFICATIONS

Helmet Type

Pedal Cycle
Motorcycle
Firefighting
Bushfire Fighting
Industrial
All terrain vehicle
Ski and snow board
Surfing
Pilot
Equestrian
Rugby headgear
Rescue
Golf
Cricket
Canoeing and rafting

Types of Test

Impact energy attenuation
Shock absorption
Force transmission
Load distribution

Dynamic retention system strength
Static retention system strength
Resistance to penetration
Lateral rigidity
Dynamic stability
Static stability
Mass
Peripheral vision
Flammability
Resistance to solvents
Resistance to radiant heat
Liner density
Head injury criteria
Severity index
Resistance to hot solids
High voltage electrical resistance
Helmet stiffness
Lateral clearance
Vertical clearance
Wearing height
UV conditioning

IANZ Accredited Helmet Test Specifications

AS/NZS2063
AS2063
AS/NZS3838
AS4067
AS/NZS1801
QAS TS89/686/1.03
AS/NZS4499 parts 1 & 3
AS1698
AS/NZS2512 parts 1-9
BSEN397
BSEN443
NZS2264
QAS Technical Schedule 89/686/1.03
BSEN397
BSEN443.97

Other IANZ Accredited Test Specifications

Playground surfaces in accordance with
AS/NZS4422
NZS5828
EN1177
(includes laboratory and on-site testing)





PRODUCT & MATERIALS TESTING

P-Test Laboratory tests products and materials

Well-qualified and experienced staff, including four IANZ Approved Signatories, working in P-Test's purpose built laboratories test products and materials to a wide range of national and international standards and regulations, and also perform many non-standard and special tests.

Accurate test and inspection results are critical for the success of industry, for public health and safety, and for care of the environment.

Because P-Test has no affiliation with any manufacturer or supplier, clients can be assured of unbiased testing, impartial analysis of data and complete confidentiality.

P-Test is an IANZ Accredited Test Laboratory.

International Accreditation New Zealand (IANZ) is the Government agency responsible for the accreditation of testing and calibration laboratories, based on their technical competence.

P-Test has been assessed by IANZ against NZS/ISO/IEC17025 – General requirements for the competence of testing and calibration laboratories, and IANZ publication “Procedures and Conditions of Accreditation”, and has been accredited in the Mechanical Class 4.06 – Metal and Metal Products since inception. P-Test has the ability to perform tests in the load range 5 N to 500 kN.

IANZ has mutual recognition agreements with NATA Australia, NAMAS in the United Kingdom, and similar organisations in Europe, Japan, Hong Kong, China, the USA and Canada, allowing results produced at P-Test to be internationally accepted.



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P-Test is approved by the Pacific Division of the American Bureau of Shipping (ABS) to carry out specialist mechanical testing on their behalf.

P-Test is recognised by Bureau Veritas (NZ) for the testing of a range of products to New Zealand and Australian Standards.

P-Test has also undertaken test and assessment work for Consumer magazine and Choices magazine.

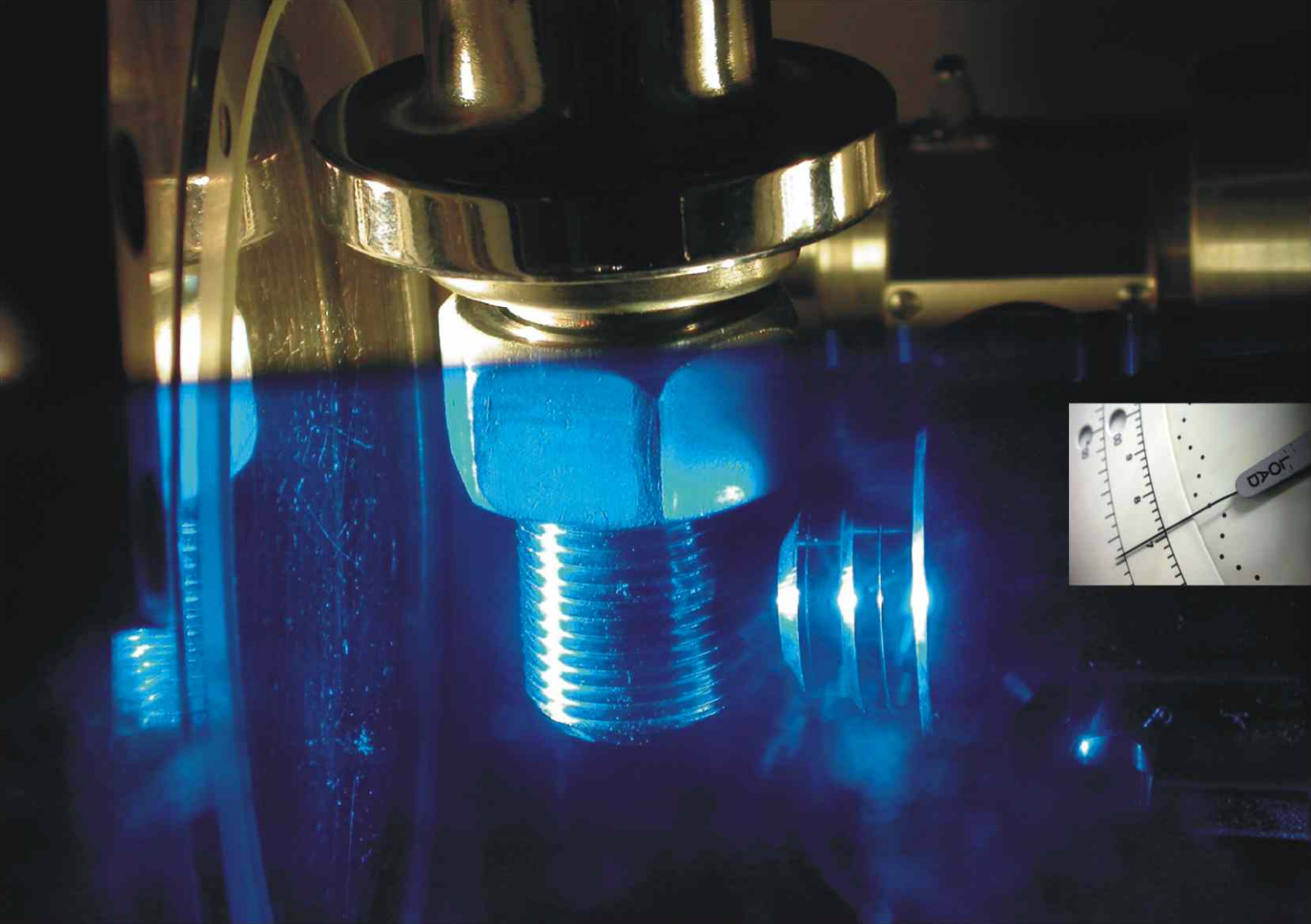
Types of Test

P-Test performs a huge range of mechanical and electrical tests and evaluations, in accordance with the product being tested. The laboratory tests many different properties, from the buoyancy of a life jacket to the heat loss of a water cylinder, from the ability to toast bread evenly to the burst pressure of an asbestos concrete water main pipe, from the tear strength of plastic rubbish bags to the breaking strength of metals.

P-Test uses a wide range of national and international standards and in-house test methods, and can develop special tests for a client's products.



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SPECIFICATIONS - Product Testing

Product Type

(Both raw materials and finished products)

Life jackets and buoyancy garments

Protective chainsaw clothing

Retread tyres

Water cylinders

Rubbish bags

Garden mulchers

Mountain bikes

Toasters and bread makers

Pushchairs and baby buggies

Bunks, beds and cots

Ladders

Winches and chain blocks

Vee belts and pulleys

Roof racks

Tow balls and trailer couplings

Axle stands

Car jacks

Engine mounts

Chains

Springs

Shackles

Twistlocks

Mechanical fixing systems

Pipe and pipe fittings

Transmission lines

Timber and metal structures

Venetian blinds

Storage tanks

Water meters

Concrete products

Fencing wire

Ropes and webbing

Climbing equipment

Safety harnesses

Strops and ratchets

Fishing line

On-site temperature calibration





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SPECIFICATIONS - MaterialsTesting

Material Type

Steel Alloys
 Stainless Steel
 Titanium
 Aluminium/Aluminium Alloys
 Brass/Bronze Alloys
 Weld Material
 Grey/Spheroidal Graphite
 Iron
 Cordage
 Plastics
 Webbing
 Glass

Types of Test

Tensile Strength
 Compressive Strength
 Yield Strength
 Shear Strength
 Tear Strength
 Modulus of Elasticity
 Percentage of Elongation
 Percentage Reduction of Area
 Charpy Impact Test
 Hydrogen Embrittlement
 Bend Testing
 Bond Strength
 Burst Pressure
 Torsional Strength

IANZ Accredited Test Specifications

BSEN 10002.1
 ASTM E8M
 ASTM B557M
 ASTM A370
 AS1391
 CAA BCAR A8-10





CARBON DIOXIDE
FOOD GRADE

N DIO

CYLINDER TESTING

C-Test Laboratory tests, services and certifies gas cylinders and equipment

Well-qualified and experienced staff, including four IANZ Approved Signatories, working in purpose-built laboratories at C-Test, carry out low pressure and high pressure testing on a range of cylinders, bottles, pressure vessels and fire extinguishers.

C-Test also has the capability to fill and service most models and types of fire extinguishers and to repair and service portable LPG appliances (including heaters) and associated accessories and fittings.

C-Test performs water jacket and non water jacket tests on cylinders for pressures between 0.8 Mpa and 60 Mpa, mass checks on cylinders from 1.0 Kg to 150 Kg and water capacity determinations on cylinders between 1 litre and 100 litres.

Accurate test and inspection results are critical for the success of industry, for public health and safety, and for care of the environment.

Because C-Test has no affiliation with any manufacturer or supplier, clients are assured of unbiased testing, impartial analysis of data and complete confidentiality.

C-Test is an IANZ Accredited Test Laboratory.

International Accreditation New Zealand (IANZ) is the Government agency responsible for the accreditation of testing and calibration laboratories, based on their technical competence.

C-Test has been assessed by IANZ against NZS/ISO/IEC17025 – General requirements for the competence of testing and calibration laboratories, and IANZ publication “Procedures and Conditions of Accreditation”, and has been accredited in the IANZ Class 4.54 – Gas Cylinder Testing since inception.



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SPECIFICATIONS

Cylinder Type

Industrial high pressure seamless cylinders including carbon dioxide, nitrogen, oxygen, etc (excluding poisonous gases)

Self-contained breathing apparatus

Externally valved portable LPG cylinders

Internally valved portable Primus type LPG cylinders

Automotive LPG cylinders

High pressure carbon dioxide fire extinguishers

Low pressure foam fire extinguishers

Low pressure water fire extinguishers

Low pressure dry powder fire extinguishers

Other Services

Filling and servicing of powder, foam, water and CO2 fire extinguishers

Sales and servicing of LPG heaters and associated accessories

Servicing of portable LPG heaters and associated accessories

Types of Test

Hydrostatic stretch and proof pressure tests using the non-water jacket method for pressures 1.2 Mpa to 6.0 Mpa and 12 Mpa to 60 Mpa

Pneumatic proof pressure tests using water jacket method for pressures 0.8 Mpa to 4.0 Mpa

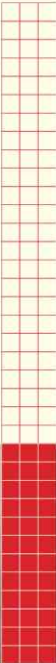
Visual internal and external examination

Mass check

Water capacity

IANZ Accredited Test Specifications

AS2337.1:1999





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