



ALS Product Testing

ALS Industrial's Mechanical Testing departments have been providing NATA accredited product testing to the Australian market for over 30 years.

We have the flexibility to adapt to many varied client product testing requirements, whilst still providing a quick turnaround of results.

Our testing ranges from the more common mechanical tests, for example:

- Welder Qualifications
- Procedure Qualifications
- Tensile Strength Testing.
- Hardness Testing

Through to many tests that meet the needs of specific industry products. Product testing includes:

- Product Load tests
- Fatigue Tests
- Wear tests
- Corrosion tests
- Impact Penetration Tests
- Drop tests.

These test are performed to many different Australian and international standards and carry NATA certification where industry requires.

Our Broad Capability – Multi-Seat testing in using the principles of AS/NZS 4688.2

An example of our broad capability to meet client requirements comes from our furniture testing. The client requested ALS to test a double seat in accordance with AS/NZS 4688.2 (ISO 1713) Level 6.

It was intended that the seat be tested for use in bariatric service (obese medical services).

The AS/ISO specs make no allowance for testing multi seat unit or bariatric service so in consultation with the client it was decided that the EN 1728 method of test would be employed (simultaneous testing of 2 seats and the corresponding back locations) but using the heavier level 6 requirements of AS 4688.2.

200,000 load cycles were delivered to the chair to verify its capability to perform under its expected service conditions.



[Video 1 – Example chair tested by ALS](#)

ALS were able to demonstrate that the product was fit for purpose, despite the absence of an all encompassing standard for testing these chairs.

A to Z of Products Testing

The broad capability of our laboratories give us the ability to test and certify many different products. These include:

- Office and Home Furniture
 - Chairs
 - Tables
 - Filing cabinets
 - Storage furniture
 - Couches
 - Bunk beds
- Ladders
 - Straight, trestle, multi-folding
- Scaffolding
 - Tube and coupler
 - Quick-fit
 - Attachments
- Fall restraints
 - Wire mesh/ anti fall
 - Hand rails
- Bolts and Fasteners
- Sound Barriers
- Cargo Restraints
- Drain lids/ Grates
 - Cement, Plastic & Steel
- Commercial and Industrial Coatings
- Concrete and Cement Components
- Swimming pool fences/ Gates
- Trolley Jacks
- Roof Edge Protection Systems
- Welded structures.
- Structural components.
- Surface Hardened Components
- Castings
- And more!



Our Mechanical Testing Team

ALS Industrial is able to supply mechanical testing services through our laboratories in Brisbane, Sydney, Newcastle, Perth and Melbourne.

In the unlikely event that something fails in testing, our mechanical testing department is supported by:

- Materials Engineers
- Mechanical Engineers
- Welding Engineers
- Structural Engineers

Who can interpret any unexpected findings from the testing and work with you to find solutions to bring your products up to code compliance.

To enquire about testing, please contact us at the below details or alternatively contact us via e-mail on:

assetcarecontactus@alsglobal.com

POWER SERVICES

U1, 2 Alhambra Avenue
Cardiff NSW 2285
T: +61 2 4953 7999

PERTH

109 Bannister Road
Canning Vale WA 6155
T: +61 8 9232 0300

BRISBANE

7 Brisbane Rd
Riverview QLD 4303
T: +61 7 3816 5500

SYDNEY

U1a & 2, 171-175 Newton Road
Wetherill Park NSW 2164
T: +61 2 8786 3100

MELBOURNE

450 Dynon Rd
West Melbourne VIC 3003
T: +61 3 8398 5900

ADELAIDE

60-62 Gray Terrace
Gillman SA 5013
T: +61 8 8240 1299