FINCH
ELECTRONIC SOLUTIONS

PRODUCT RANGE / AUSTRALIA & NEW ZEALAND

Test & measurement.

Where innovation connects.

From EMC facilities to field instruments, laboratory systems and industrial equipment.



RF TECHNOLOGY SEMI-ANECHOIC CHAMBER

FIND YOUR STARTING POINT

02 EMC facilities & programmable power

03 Environmental, safety & battery test

04 Fibre & laboratory instruments

05 Production & optical analysis

06 Specialist tools & workspaces

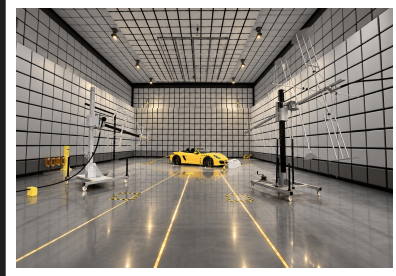
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01 / BUILD THE TEST CAPABILITY

Facilities & programmable power

Control the RF environment, reproduce the supply and set the load.



EMC chambers & RF test

RF Technology / RFlight / Bonn Elektronik / LISUN

Build a controlled RF test environment around your device and test programme.

- Anechoic / semi-anechoic chambers; reverberation rooms
- Shielded enclosures, GTEM cells & RF infrastructure
- RF amplifiers, antennas, receivers & LISNs
- ESD, surge, EFT/burst & automotive transients



Programmable power

Preen

Reproduce the electrical input conditions your product needs to withstand.

- AC sources, DC supplies & frequency converters
- Regenerative grid simulators
- PV simulation & hybrid power systems
- AVRs, 400 Hz ground power & shore power



Electronic loads & RLC banks

Preen

Set controlled loading conditions for grid-connected inverter testing.

- Automated resistive / inductive / capacitive load banks
- Anti-islanding test platforms
- ARLC 30 / 60 / 120 / 250 kW model families
- Integrated source and load test configurations

ENQUIRY STARTER Share the DUT, supply envelope, RF range and test programme.

02 / VERIFY PERFORMANCE

Reliability & electrical integrity

Select the test conditions and measurement method around the asset.



Environmental testing

Sonacme / LISUN

Challenge products with the temperature, humidity and physical conditions of use.

- Temperature / humidity, thermal shock & rapid cycling
- Altitude, battery & combined vibration chambers
- UV / xenon aging, corrosion, rain & dust testing
- Ingress protection, mechanical tests & specialist chambers



Electrical safety & HV test

MEWOI / LISUN

Select the measurement method for commissioning, safety testing or asset condition.

- Insulation resistance & dielectric / HV withstand
- Earth resistance, grounding & soil resistivity
- Transformer and insulating fluid analysis
- Current, leakage, power quality & electrical safety



Battery & energy storage test

MEWOI

Match the instrument to screening, capacity assessment or maintenance trending.

- Battery internal resistance & voltage instruments
- Capacity and discharge assessment
- Multi-channel battery test equipment
- Cell, pack and standby-system measurements

ENQUIRY STARTER Share the test profile, asset details and required measurements.

03 / PREPARE, MEASURE & DRIVE

Fibre & laboratory instruments

Equip field workflows, component characterisation and demanding electrical loads.



Fibre optic equipment

XHFiber / SHINHO

Equip the complete workflow: prepare, splice, protect, inspect and verify.

- Fusion splicers: access, core-alignment & specialist fibre
- Cleavers, strippers & preparation tools
- Inspection, cleaning & fibre identifiers
- OTDRs, optical power meters & link test instruments



Benchtop electronics

LISUN

Characterise components and verify repeatable production measurements.

- Impedance analysers, LCR meters & DC bias sources
- Capacitor value, leakage & electrolytic testers
- Impulse winding, transformer & inductor balance testers
- Ferrite / magnetic analysers & transistor selectors



Laboratory amplifiers

Aigtek

Drive demanding electrical, piezoelectric and magnetic loads.

- Wideband, RF & high-voltage amplifiers
- Piezoelectric and magnetic-load drivers
- Preamplifiers & power signal generators
- Precision voltage and current sources

ENQUIRY STARTER Share your fibre workflow, component parameters or load requirement.

04 / PROCESS & CHARACTERISE

Production & optical analysis

Match the process and measurement to the material, product and required result.



Industrial laser systems

Mactron

Choose the process around the material, finish and production requirement.

- Fibre, UV & CO2 marking and engraving
- Laser cleaning systems
- Laser welding & cutting systems
- Scanning, automation and production integration



Lighting & photometric test

LISUN

Measure light output, distribution, colour and product performance.

- Goniophotometers & integrating sphere systems
- Spectroradiometers, colour & luminance instruments
- LED life, lumen-maintenance & aging equipment
- Photobiological, lighting safety & mechanical tests



Material & optical analysis

LISUN

Translate appearance, composition and material-quality questions into measurements.

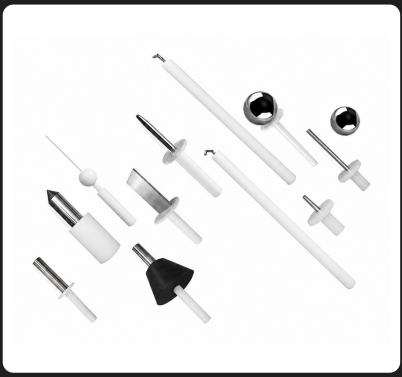
- Spectrophotometers & colorimeters
- Gloss, haze, transmission & reflection instruments
- XRF / RoHS screening systems
- Textile, filtration & electret equipment

ENQUIRY STARTER Share a sample, measurement objective or required process outcome.

05 / COMPLETE YOUR PROJECT

Specialist tools & workspaces

Support product verification, equipment supply and the working environment.



Test probes & gauges

LISUN

Match accessibility and dimensional checks to the exact product standard.

- IEC access probes, test fingers & probe kits
- Appliance, lighting, ICT & medical test kits
- Plug and socket dimensional gauges
- Force, accessibility & go/no-go verification

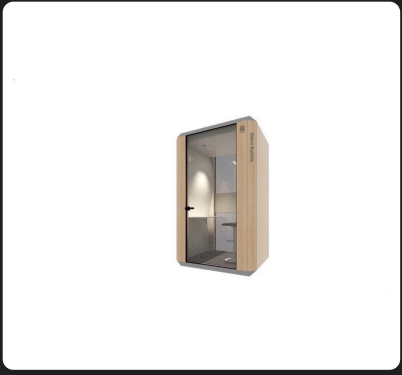


Transformers & regulators

LISUN

Match the supply function to your laboratory or equipment installation.

- Isolation transformers
- Voltage-conversion transformers
- AC voltage regulators
- Laboratory and equipment supply configurations



Silent Bubble acoustic pods

Silent Bubble

Create dedicated space for calls, focused work and small meetings.

- Acoustic pods for calls & video meetings
- Focused-work spaces
- Small-meeting and collaboration configurations
- Capacity, ventilation, power & fit-out options

START YOUR EQUIPMENT ENQUIRY

Send your application, required range or standard, and project timing.