

Noise Control Air Conditioning



Acoustic Louvres & Attenuators

Acoustic Doors

Wall & Ceiling Treatments

Acoustic Enclosures

Acoustic Testing Laboratory

Climate Control

Dehumidification & Filtration

ACRAN is the leader in engineered products and systems for noise control and air conditioning.

With over 25 years experience specialising in noise control and vibration isolation, together with air conditioning, ventilation and filtration systems, ACRAN is acknowledged as the one-stop provider of complete engineered solutions.

Consulting engineers, contractors and end users now have an organisation to assist them meet the environmental requirements of the modern era and provide quality engineered systems that achieve client expectations.

ACRAN's acoustic products are manufactured as individual elements and can be assembled to create total noise solutions. When linked to ACRAN's expertise in air conditioning, ventilation and dust control you have a company to meet all your requirements under one contract.

Whether it's noise control, vibration isolation or climate control or a combination of some or all of these needs, we are leaders in the field.

Our client base includes industrial sectors, government agencies and multinational organisations. ACRAN has successfully completed work throughout Asia and the Pacific Rim. Our experience in the export market enables us to deal with the demanding requirements of international trade.

Noise Control

ACRAN's range of products are designed and tested to help comply with workplace health and safety and environmental protection policies.

Designed and manufactured in our facilities, ACRAN's quality controlled products, while custom made to meet your performance and dimensional requirements, are the result of extensive R&D in our testing laboratory.

Our acoustic louvres, like our attenuators, acoustic panels and acoustic doors can be fabricated from most types of sheetmetal - Galvabond, Colorbond, aluminium, stainless steel and zincanneal sheet. Finishes include painted, powder coated or mill finish.

Where a full enclosure is required we can combine our products into a modular system using a skid mounted or custom fabricated assembly. All parts are manufactured, assembled and commissioned by our team of skilled tradespersons to meet your plant requirements.



Air Conditioning & Ventilation

ACRAN has extensive experience in the design and installation of air conditioning, ventilation and evaporative cooling for the control of temperature, humidity, dust and fumes in a range of applications for manufacturing, commercial and industrial sectors.

We have many years experience operating in conjunction with food, pharmaceutical, mining, specialist manufacturing and processing industries. Our flexible working hours minimise plant downtime during installation and commissioning.

Our expertise also includes material conveying and delivery systems with integrated control and instrumentation.

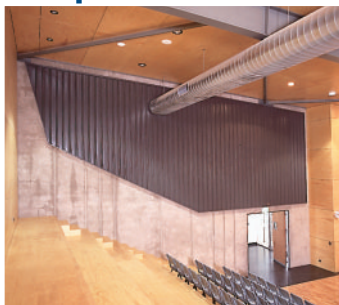
ACRAN has the in-house capabilities to provide engineered systems to solve the toughest of problems.

Acoustic Enclosures

ACRAN engineers solutions for those environmental noise problems that are increasingly becoming critical issues for everyone.

Our staff are familiar with the requirements of statutory authorities including the EPA, WH&S and local government, and can design the most practical and cost effective measures to meet these requirements.

ACRAN has a wealth of experience in dealing with noisy pumps, fans, blowers, power generators, manufacturing plant and compressors. We understand the practical issues associated with maintenance access and design our systems accordingly.



Wall & Ceiling Treatments

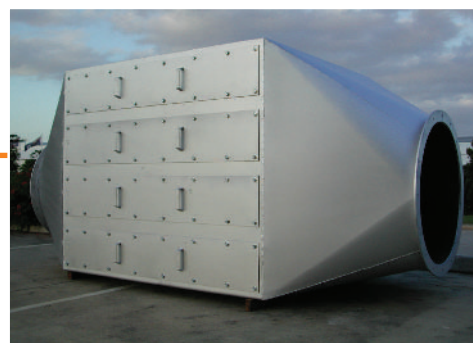
ACRAN acoustic wall linings are selected to improve room environments for clearer communication by reducing reverberation time (echo). We offer a range of linings for architectural or industrial applications.

We can manufacture in many materials and finishes to suit both internal and external applications.

Attenuators

Attenuators are designed to limit noise travelling along an airpath. Applications include power stations, blower rooms, generators and ducted systems.

ACRAN has a wide range of attenuators designed and tested to meet performance criteria. Whether large or small, round or rectangular, high temperature or with special absorptive linings, we have a limitless number of models to suit all likely acoustic requirements.



Acoustic Louvres

ACRAN's range of acoustic louvres are designed to allow airflow while providing various degrees of noise attenuation. Applications include machinery plant rooms, refrigeration enclosures and cooling tower inlets.

ACRAN louvres are of sturdy construction suitable for exterior applications and provide an attractive visual barrier.

Acoustically tested to Australian Standards, ACRAN acoustic louvres permit air passage without excessive pressure drop.

ACRAN's high performance acoustic louvres allow your noise problem to be resolved the first time through ACRAN's pre-engineered approach.



Acoustic Panels

In conjunction with our range of standard and specialist components ACRAN has developed a range of panels for engineered acoustic performance.

Applications include:

- Machinery enclosures
- Acoustic barriers
- Acoustic havens

Construction options include:

- Modular construction
- Demountable for ease of relocation
- Custom-built to meet space limitations

Acoustic Doors

ACRAN has pre-engineered acoustic doors for a vast range of applications from standard bulkhead doors to large-scale industrial and commercial doors.

Doors can be custom designed, fabricated and installed to meet your particular requirements.

Our door jamb design specifically allows built-in or retrofit options.

A full range of hardware and finishes are available.





Manufacturing

Our purpose-built 2200 m² facility comprises fabrication and assembly areas featuring a 25 metre clear span.

Our manufacturing machinery includes CNC plasma cutter, CNC brake press, cut-to-length and slitter line supplemented with the traditional array of metal working equipment.

The assembly area is served by an 8 tonne overhead travelling crane to accommodate large or cumbersome components.

Acoustic Testing Laboratory

ACRAN's Acoustic Test Laboratory is integrated into the manufacturing and office facility in Richlands. The laboratory is primarily used for research and development of new ACRAN designs and products.

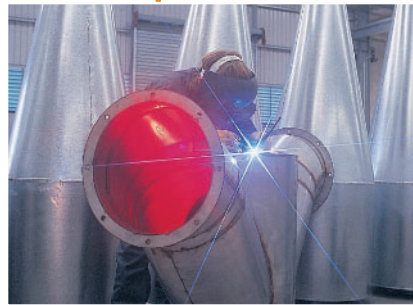
This facility enables ACRAN's customers to have absolute confidence in the performance of our products.

The facility is available to acoustic consultants and companies wishing to test products under specified conditions.

The acoustic test laboratory is purpose built to measure the following in accordance with Australian Standards:

- Sound power
- Insertion loss
- Sound reduction index (R_w , STC)
- Absorption coefficients

The laboratory allows dynamic testing of attenuators and acoustic louvres to simulate many field applications. The facility can also record pressure differentials for multiple air flow rates.





A Quality Assured Company

ACRAN is a quality assured company to AS/NZS ISO 9001:2000 concerning:

- Acoustic Louvres
- Attenuators
- Acoustic Panels
- Purpose-built Enclosures
- Air Conditioning
- Ventilation Systems
- Fabrication of products used in these systems.



Quality
Endorsed
Company

ISO 9001

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Endorsements

- Sustaining Member of the Australian Acoustical Society
- Queensland Contractor License
No. 61399
- Queensland Environment License
No. 80400-1136 - Boilermaking & Engineering
- Quality Assured License
No. 7683 to AS/NZS ISO 9001:2000
- Queensland Electrical Contractor License
No. 9091