Business Overview

Pacific HVAC Engineering is one of the largest manufacturers and distributors of specialised HVAC equipment in Australia and New Zealand. The business has grown from a fan & blower manufacturing core to include sales of Chillers, Packaged AC, Chilled Beams and AHU’s along with an extensive catalogue of ancillary products.

Our range and technical expertise means we can offer a convenient ‘one supplier’ solution for the mechanical services industry that is unmatched in our region. While HVAC equipment is the central focus, a large part of our business involves the supply of high specification industrial fans and blowers for use in manufacturing and mining. With these products, our engineering quality is recognised far beyond our shores with projects successfully completed in Russia, China, Vietnam, Egypt, Israel, South Africa and Canada.

The quality and reliability of our equipment is well known with production fully certified and audited to ISO9001. Product performance is ensured by testing to established international standards including ISO5801, ISO3744/3745, AMCA300 and DIN24163 1998 among others. All fan products are electrically and run tested with performance data logged for instant retrieval.

Sales and distribution offices are located throughout Australia and New Zealand with manufacturing and engineering located in Sydney, Melbourne and Auckland.
Branch Locations

Company Owned
Agents
Products

- **FANS HVAC**: Professional HVAC fans & accessories
- **MacroAir**: High Volume Low Speed fans
- **CLINT**: Chillers
- **Evaporative Cooling**: Cooling Towers
- **NOVAIR**: Air Handling Units
- **Chicago Blower**: Heavy duty industrial fans & blowers
- **Ravenscroft**: Fire and Smoke Dampers
- **BARCOL-AIR**: Chilled Beams and VAV's
- **Montair**: Critical Application Air Conditioning
All general HVAC fans and accessories
Smoke Spill Fans
EC fans
Attenuators
Drives / VSD’s
Bushfire Compliant Fans and Cowls
SWSI & DWDI for HVAC applications
Plug fans
Industrial process fans and blowers
AMCA certified
Built by Pacific HVAC Engineering
Sizes 2.4 to 7.2m

Ultra efficient EC technology - 20% less energy to run

Silent at all speeds – no motor hum.

Built by Pacific HVAC Engineering
Chillers

Features Across The Range
HLI (High Level Interface) BacNET Protocol
Standard, VSD and/or EC Fans
Treated Coils as standard Polyurethane (or upgrade to Blygold)

Air Cooled Scroll and Screw Chillers
5kW to 1500kW
Cooling and Heating (Heat Pumps)
DOL, Digital, VSD all available

Air & Water Cooled Oil Free Magnetic Centrifugal Turbocor Chillers
200kW to 3700kW (Air Cooled <1500kW; Water Cooled <3700kW)
High Efficiency Chiller
Built-in Single or Dual Pumps with Expansion Vessels and Buffer Tanks

Water Cooled Scroll, Screw and Centrifugal Chillers
5kW to 9000kW
Cooling and Heating (Heat Pumps)

Air Cooled Multi Function Chillers (Cooling & Heating)
200kW to 1200kW
Built-in Single or Dual Pumps with Expansion Vessels and Buffer Tanks
Standard, VSD and/or EC Fans

Certifications & Approvals
Air Handling Units

**CTA**  Air handling units with supporting frame and sandwich panelling. Insulation in either polyurethane foam or mineral wool with thicknesses 25-50 mm
*Capacity Range* 1,500 to 100,000 m³/h.

**CTM**  Modular air handling systems, available in 5 models with 16 sectional units, for air heating and air conditioning. The units are equipped with an inverter-controlled PLUG-FAN and double sandwich panels of 25mm polyurethane foam.
*Capacity Range* 4,500 to 28,000 m³/h.

**TVH**  Convection units with double sandwich panelling in polyurethane foam of thickness of 25 mm, designed for floor installation.
*Capacity Range* 1,600 to 23,000 m³/h.
Cooling Towers

**MXR-KM Series - Cross Flow Type**
FRP Casing with HDG or Stainless Steel Structure
Optional steel or stainless steel casing
Single cell water flow rate: 59-1140m³/hr

**MXL Series - Cross Flow Type (Low Profile)**
RTM Casing with HDG or Stainless Steel Structure
Single cell water flow rate: 128-580m³/hr

**MXC Series - Closed Circuit**
FRP Casing with HDG or Stainless Steel Structure
Optional Steel or Stainless Steel Casting
Single cell water flow rate: 39-203m³/hr

**MCC Series – Counter Flow Type**
RTM Casing with HDG or Stainless Steel Structure
Optional Steel or Stainless Steel Casting
Single cell water flow rate: 60-585m³/hr

**Certifications & Approvals**
- CTI-STD-201 certified
- ASHRAE-90.1-2010 compliant
Fire and Smoke Dampers

BSD-PW Fire Damper for **plasterboard** walls combines a balancing damper and fire damper enabling a fast installation of the damper than other dampers in the market.

**Size Range** 125mm – 500mm circular

BSD-C Fire Damper for **concrete/masonry** similar to the plasterboard wall fire damper, but without the insulated sleeve.

**Size Range** 125mm – 400mm circular

FRH Fire Valve combined exhaust valve with adjustable pressure loss and fire damper for circular ducts prevents the spread of fire and flue gases into ventilation ductwork.

**Size Range (mm)** 100, 125, 150, 200

Tested to AS1530.4-1990. FRR 120 minutes in plasterboard walls. For masonry walls, fire damper BSD-C satisfies AS1530.4-1990. Fire damper, BSD-PW, meets the requirements of AS1682-1991 Parts 1 & 2.
Barcol-Air are global leaders in the specialised design and development of optimised indoor thermal climates with commercial air-conditioning systems.

The Chilled Beam system has become very popular across the globe due to its energy saving capability and also because the amount of air flow required is very low and as such, 100% fresh air can be used for the primary air source. This results in excellent air quality and also makes the system very suitable for hospitals and medical facilities which want to eliminate recirculated air which can result in cross contamination.
Montair Close Control Systems are world leaders in critical application air conditioning systems. The extensive range includes precision equipment for computer rooms (CRAC Units), medical and surgical applications and telecommunications among many others. Pacific HVAC Engineering supports the Progresso series throughout Australia and New Zealand.

PROGRESSO CLOSE CONTROL precision conditioners from 7 kW to 134 kW

PROGRESSO TROPICAL LINE from 7 kW to 134 Kw

Certifications & Approvals
Product Conformance Statement

Pacific HVAC Engineering is a manufacturer and distributor of HVAC fans and related equipment. The company manufactures products in Melbourne, Sydney and Auckland with distribution centres located throughout Australia and New Zealand. The manufacturing quality system is fully accredited and independently audited to ISO9001. The manufacturing system operates in compliance with ISO14001 Environmental Management.

All products manufactured or supplied meet the requirements of, or are tested according to the following standards (where required or relevant):

- **BCA Section J. (power efficiency)**
- **AS/NZS 60335.2.80 (electrical safety)**
- **ISO5801 (air flow performance)**
- **DIN24163 1998 (air flow performance)**
- **AMCA 300 (sound performance)**
- **AMCA 210 (air flow performance)**
- **ISO3744/3745 (sound performance)**
- **AS4429(Int)-1996 and AS4429:1999 (smoke spill)**
- **AS/NZS1668:2 2002. (kitchen exhaust)**
- **AS 3959-2009 (bushfire zone compliance)**
- **AS1594-1992 (welding standards)**
- **AS1443-1983 (machining tolerances)**
- **AS/NZS4680-2006 (galvanizing standards)**
- **Eurovent Certification (efficiency and performance)**
- **ASHRAE-90.1-2010**
- **CTI-STD-201**
- **ARC (Australian Refrigeration Council)**
Projects

Project: Monash University
Type: Residential Apartments
Location: Melbourne, Australia
Application: Ventilation
Equipment: KMV Centrifugal Exhaust Fans

Project: Masters Stores
Type: Retail Stores
Location: Australia-wide
Application: A/C Air Movement
Equipment: Axial Fans, Centrifugal Fans

Project: Ikea Tempe
Type: Retail Stores
Location: Sydney, Australia
Application: A/C Air Movement, Ventilation
Projects

**Project:** Bunnings Stores  
**Type:** Retail Warehouse  
**Location:** Australia-wide  
**Application:** Ventilation  
**Equipment:** Axial Exhaust fans, MacroAir HVLS Fans, VSD’s

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**Project:** Wellington Hospital  
**Type:** New Construction, Institutional  
**Location:** Wellington NZ  
**Application:** Ventilation; A/C  
**Equipment:** Axial fans, Centrifugal fans, Attenuators, VSD’s

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**Project:** Eureka Tower  
**Type:** Office Tower  
**Location:** Melbourne, Australia  
**Application:** Ventilation; A/C  
**Equipment:** Axial fans, Centrifugal fans, Attenuators, VSD’s
Projects

Project: No. 8 Chifley Square
Type: Office Tower
Location: Sydney, Australia
Application: A/C Air Movement

Project: 111 Eagle St. Brisbane.
Type: Office Tower
Location: Brisbane, Australia
Application: Ventilation; A/C
Equipment: Axial fans, Centrifugal fans, Attenuators, VSD's

Project: Star Casino Upgrade
Type: Multi-Use Entertainment
Location: Sydney, Australia
Application: Ventilation
Equipment: Axial Fans, Centrifugal Fans, Mixed Flow Fans, VSD's

PACIFIC HVAC
ENGINEERING
Projects

BMA Daunia Mine.
Type: Coal Mine
Location: Queensland, Australia
Application: Ventilation
Equipment: Axial fans, Smoke Spill Fans, Louvres, Filters, Grilles.

Rectangular Stadium
Type: Sports Stadium
Location: Melbourne, Australia
Application: Ventilation
Equipment: Axial fans, Centrifugal fans, Attenuators, VSD’s

Randwick Racecourse
Type: Racing Stand Facilities
Location: Sydney, Australia
Application: Ventilation
Equipment: Axial Fans, Centrifugal Fans, Attenuators, VSD’s
Projects

Project: Cricket Centre of Excellence - Brisbane
Type: Specialist Sporting Facility
Location: Brisbane, Australia
Application: Air Conditioning
Equipment: Chillers / AHU’s

Project: Sustainable Industries Education Centre
Type: TAFE / Educational Development
Location: Tonsley Park, Adelaide, Australia
Application: Air Conditioning
Equipment: Chillers, AHU’s, Axial & Centrifugal Fans, MacroAir HVLS Fans.

Project: Australian Federal Police Building.
Type: Office Complex
Location: Melbourne, Australia
Application: Air Conditioning
Equipment: Chillers
Projects

**The Corso North Lakes**
- **Type:** Community Facilities
- **Location:** Brisbane, Australia
- **Application:** Air Conditioning and Ventilation
- **Equipment:** AHUs, Heat Wheels, Plate Heat Exchanges, Fans, Attenuators

**PS1 Springfield**
- **Type:** Commercial Office
- **Location:** Springfield (Brisbane), Australia
- **Application:** Air Conditioning, Ventilation
- **Equipment:** AHUs, Heat Wheels, Cooling Towers, Fans, Attenuators

**Westfield Westlakes**
- **Type:** Retail Complex
- **Location:** Adelaide, Australia
- **Application:** Air Conditioning
- **Equipment:** Chillers