

2017 VICTORIAN MANUFACTURING HALL OF FAME AWARDS

Growing Advanced Manufacturing

SOUVENIR
BOOKLET



2017 VICTORIAN MANUFACTURING HALL OF FAME AWARDS

MINISTER'S MESSAGE



Welcome to the 2017 Victorian Manufacturing Hall of Fame Awards.

With a theme of "Growing Advanced Manufacturing" - we are recognising outstanding achievements by local businesses and individuals which uphold a high standard of excellence in Victorian manufacturing.

In 2017, we have recognised individuals through a new Honour Roll member and Young Manufacturer of the Year.

Businesses will be recognised through the Manufacturer of the Year Awards, new company inductees, and awards across our high growth sectors.

I've met previous Hall of Fame inductees who've explained to me first-hand the value of having their accomplishments recognised, and their businesses celebrated. These awards not only boost morale among workers, they open up export market opportunities and help grow trust among distributors and customers.

I hope that this year's finalists find equal value in this important celebration of their contribution to local manufacturing.

The Andrews Labor Government is working with industry to create jobs, support growth, and promote forward-thinking and innovation in manufacturing. We recognise a wide range of world-class businesses that continue to make Victoria both the heart and brain of Australian manufacturing.

We congratulate the winners and finalists in 2017 and wish them success in their future endeavours.

Hon Wade Noonan MP

Minister for Industry and Employment

A stylized, handwritten signature in black ink, appearing to read 'Wade Noonan'.



2017 VICTORIAN MANUFACTURING HALL OF FAME AWARDS

PREVIOUS RECIPIENTS

HONOUR ROLL

Alistair Murray
Andrew Stobart
Bill & Jim Sutton
Bob Herbert
Bruce A. Griffiths
Bruce Parker
Carl Bizon
Darryl Page
Dr Erol Harvey
Dr Graeme Blackman
Dr Walter Uhlenbruch AO
David Burton
David Haymes
Douglas Maxwell
Ernest Frederick Dawes OBE
George Gatehouse
Gerry Ryan OAM
Ivan D James
Ken Grenda AM
Lee Kidman
Peter Carthew AM
Peter Thomas AM
Ralph Wilson Snr
Richard Pratt AC
Ross McCann
Robert Wilson
Stuart Payne
Tony Carolan
Tom Hartley
Tony Schiavello

YOUNG MANUFACTURER OF THE YEAR

Agnel D'Sousa
Anna Reid
David Fitzpatrick
Dr Ashley Denmead
Dr Peter Campbell
Heidi Edmiston
James Dickey
Jason Oliver
Luke Dwyer
Matthew Arblaster
Matt Nettleton
Prue Morgan
Stephen Murtagh
Scott Grinter

MANUFACTURER OF THE YEAR: SMALL BUSINESS

Australian Precision Technology
Coating and Industrial
Technologies
H&H Machine Tools Australia
Integra Systems
Thermofilm Australia

MANUFACTURER OF THE YEAR: MEDIUM BUSINESS

A.W. Bell
Future Fibre Technologies
GP Graders
Koko Black
Thycon

MANUFACTURER OF THE YEAR: LARGE BUSINESS

CSL Behring
Hickory Building Systems
Marand Precision Engineering
Qenos
SRX Global

HIGH GROWTH SECTORS

DEFENCE TRANSPORT AND CONSTRUCTION TECHNOLOGIES

MHG Asia Pacific
Alstom Transport Australia

NEW ENERGY TECHNOLOGIES

Mil-Systems
Millennium Electronics

FOOD AND FIBRE

Andrew Peace Wines
LangTech International Pty Ltd

MEDICAL TECHNOLOGIES AND PHARMACEUTICALS

MSD Animal Health
Fairmont Medical Products

INTERNATIONAL EDUCATION

Swinburne University of Technology
RMIT Advanced Manufacturing
Precinct

PROFESSIONAL SERVICES

Cobalt Design
Dairy Innovation Australia



2017 VICTORIAN MANUFACTURING HALL OF FAME AWARDS

PREVIOUS RECIPIENTS

COMPANY INDUCTIONS

A.W. Bell Pty Ltd	Avon Graphics	Davey Products
ADA	Backwell IXL	Diver Consolidated Industries
Advanced Polymer Technology	Basell Australia	Duratray International
Australasia	Bervar (T/as Della Rosa	DVR Engineering Pty Ltd
Aerostaff Australia Pty Ltd	Foods Group)	D&D Global Group
Air International Group	Bluescope Steel Limited	DAIR Industries Pty Ltd
Air Radiators Pty Ltd	BOC	EBM Papst
Aisin Australia	Bombardier Transportation	Ecotech
Albins Off Road Gear	Australia	Ego Pharmaceuticals
Alcoa of Australia	Boss Polymer Technologies	Extel Technologies
Al-Ko	Boundary Bend Olives	Fantech
Alstom Transport Australia	Brintons Carpets	Fairmont Medical Products
AME Systems	Cablex	Fergusson Plarre Bakehouses
AMR Hewitts Print Packaging	Carbon Revolution	Ferndale Confectionery
ANCA	CDS Technologies	Finewrap Australia
Andrew Peace Wines	CE Bartlett	Flavour Makers
APS Plastics	Champion Compressors	FMP Group
ArchiBlox	Charlwood Design	Ford Motor Company
Armstrong World Industries	Close the Loop	Future Fibre Technologies
Assa Abloy	Clyne Foods	Futuris Automotive Interiors
Athlegon	Coating and Industrial	(Australia)
Austeng	Technologies	GBC Scientific Equipment
Australian Arrow	Cobalt Design	Gekko Systems
Australian Automotive Air	Colour Vision Systems	Gippsland Aeronautics
Australian Precision Technologies	Colourcraft Printing	GKN Aerospace Engineering
Australian Rollforming	Compumedics Limited	Services
Manufacturers	Corex Plastics (Australia) Pty Ltd	GlaxoSmith Kline Australia
Australian Turntable Company	Creative Cabinets	Godfrey Hirst Australia
Autofab Australia	CSL Limited	GP Graders
Autoliv Australia	CSL Bering	H&H Machine Tools Australia
	Dairy Innovation Australia Ltd	Haines Hunter



2017 VICTORIAN MANUFACTURING HALL OF FAME AWARDS

PREVIOUS RECIPIENTS

Hakubaku	MHG Asia Pacific	SRX Global (Australia)
Hawker de Havilland	MIL- Systems	STS Creative Printing
Hazeldene's Chicken Farms	Millenium Electronics	Swinburne University
Hella Australia	MiniFab (Australia)	Tenix Defence
Henry Haymes (t/as Haymes Paint)	Mobil Refinery Australia (Altona)	Thales Australia
Hickory Building Systems	Morgan Advanced Materials Australia	TNA Australia
Hilton Manufacturing	MtM	Torian Wireless
HM Gem Engines	MSD Animal Health	Toyota Australia
Hospira Australia	Murray Goulburn Co-operative	TransGlaze
Hydrix	NeoProducts	Trimas Corporation
INC Corporation	NHP Electrical Engineering Products	United Bonded Fabrics
Invetech	Note Printing Australia Ltd	Universal Biosensors
Injectronics	Olex Australia	Viridian Glass
Institute of Drug Technology	Oz Press	Visy Preprint
Integra Systems	PACCAR Australia (Kenworth Trucks)	Visy Recycling
J Furphy & Sons	Pantalica Cheese Company Ltd	Volgren Australia
Jayco Corporation	Patties Foods	Whittley Marine Industries
Jindi Cheese Pty Ltd	Paz Group	Willow Ware Australia
JS Melbourne Controls	PBR Australia	Wilson Transformer
Keech Australia	Pemara Labels Australia	
Kingfish International	Placard	
Koko Black	PMP Print	
Kraft Foods	Production Parts	
Laucke Four Mills	PZ Cussons Australia	
LangTech International Pty Ltd	Qenos	
Laurent Bakery Pty Ltd	Radio Frequency Systems	
Lochard Limited	RFI Technology Solutions	
Lovitt Technologies Australia	RMIT University	
Lumen Australia	Robert Bosch (Australia)	
Marand Precision Engineering	Roma Food Products	
Masterfoods	Ronstan International	
Maton	Rosebank Engineering	
McPhersons Printing Group	Schiavello Group of Companies	
Melba Industries	Sealite	
Metaltec Precision International	SGE Analytical Science	
Mett	Siemens VDO Automotive	



2017 VICTORIAN MANUFACTURING HALL OF FAME AWARDS

HONOUR ROLL

PHILIP LESLIE

Philip Leslie has been in various leadership roles for over 26 years with GlaxoSmithKline (GSK) one of Australia's largest of pharmaceutical and healthcare product manufacturing facilities. During that time, he has been instrumental in pioneering new techniques and evolving the plant into a modern technology led facility.

As Technical Lead at GSK, Philip's role includes supporting the Boronia teams with product and process improvements and troubleshooting. His technical team progresses innovation in pack presentations in the use of Blow-Fill-Seal technology in new dose forms. The aim is to reduce costs, increase supply and extend access in least developed countries.

A passionate advocate of continuous development for both students and colleagues, Philip is known for taking time to explain the intricacies of manufacturing processes and inspiring new ways of thinking. Philip was instrumental in forming a unique collaboration with Monash University, helping over 85 students gain real world experience.

Flowing from this partnership, the Medicines Manufacturing Innovation Centre was recently established, providing the Australian pharmaceutical industry with a stream of skilled students to maintain Victoria's competitive advantage. Philip has said that his "biggest reward comes from observing students and graduates develop from 'students' to 'scientists' who add value to our business and other companies around Australia and the Asia Pacific region".

**AWARD
RECIPIENT**





2017 VICTORIAN MANUFACTURING HALL OF FAME AWARDS

YOUNG MANUFACTURER OF THE YEAR

ANNE KOOPMANN

Anne Koopmann's professional career started with Bombardier Transportation in Berlin, Germany as a Global Graduate Trainee. Since then, she has risen to unprecedented heights, relocating to Australia in 2012 as a Methods Engineer.

Her understanding and insights into lean manufacturing processes, strong people management skills, track record in cost reduction, business acumen, problem solving and implementation of quality excellence, led her to take a position as a Continuous Improvement Lead before moving into the role of Quality and Continuous Improvement Manager.

Since taking on a role with Bombardier Australia in Dandenong in 2012, Anne is on track to becoming an integral part of the Bombardier leadership team as Head of Quality and LEAN Australia. Since joining Bombardier at the Dandenong site, Anne has achieved numerous milestones, including savings of over \$2.4 million, production hour savings of 6000h on a key light rail project and successfully reduced manufacturing throughput time by 20 per cent on rolling stock vehicles.

Anne is an accomplished Improvement Leader with strong people engagement and management skills. Her recent address at an Institute of Railways Technology (IRT) and Monash University forum on 'Shaping the Future of Railways' forum, was eagerly received by young engineering and quality students. Anne has also been a key advocate for Women in Rail Leadership across Bombardier and is involved in industry networking initiatives, hosting student tours to help young people understand the diverse career pathways open to them in rail.

**AWARD
RECIPIENT**

BOMBARDIER
the evolution of mobility

2017 VICTORIAN MANUFACTURING HALL OF FAME AWARDS

COMPANY INDUCTIONS

WARREN & BROWN TECHNOLOGIES

Beginning as a precision tooling company in 1921, Warren & Brown Technologies has had a long association with the Victorian and Australian manufacturing industries. The company is known for developing and manufacturing iconic hand tools and service equipment for the automotive industry, including its world-renowned deflecting beam torque wrenches, which are proudly made in Victoria.

Over the last couple of decades the company has transitioned into the technology industry, with many major developments for the telecommunications sector, including innovative solutions in copper and fibre optic connectivity infrastructure. These solutions are manufactured in Victoria and used globally and locally in fixed-line, wireless and local area networks by major customers including Telstra, Optus and NBN.

Having invested heavily in R&D, 3D printing and local manufacturing, Warren & Brown Technologies has also expanded its operations to service global markets.

Warren & Brown Technologies invests in continuous improvement, engaging with telecom network engineers in Australia and overseas to learn and then implement best practice network technologies, speeding up network deployment and maintenance, improving density and reducing labour costs.

This has helped it establish a foothold in the growing Asia-Pacific region, exporting to the Philippines, India, and Vietnam; as well as to Europe, America and the Middle East.

Warren & Brown Technologies has 120 Australian employees and remains committed to local operations. It has invested in plastics extrusion, fibre optic termination and product assembly and, along with its local sheet metal and powder coating subsidiary, Amapro, continues to support the Victorian and Australian manufacturing industry as it approaches its 100 years of operation.

**AWARD
RECIPIENT**



2017 VICTORIAN MANUFACTURING HALL OF FAME AWARDS

COMPANY INDUCTIONS

SUTTON TOOLS

Established by Henry Sutton in 1917, Sutton Tools remains family-owned and operated to this day. This year Sutton Tools is celebrating its 100 years of manufacturing in Australia, servicing the automotive, aerospace, mining and construction industries.

Today, Sutton Tools is renowned for the high quality of its engineering and; cutting and power tool accessories. The company maintains its market leadership position in Australia through continually evolving its products and manufacturing process.

A strong focus on exporting since the company's early beginning has been pivotal to its success, with a breadth of over 15,000 individual items ranging over 50 product groups providing numerous avenues for growth. Over 40 per cent of Sutton's domestically manufactured product is exported.

Employing around 380 staff, Sutton Tools maintains its commitment to investment, ensuring that its staff, products and manufacturing techniques remain world-class. Over 80 staff are trained in Lean and hold a Certificate IV in Competitive Manufacturing. In addition, Sutton Tools has an ongoing commitment to apprenticeships, taking on two annually, and supports overseas study tours and attendance at major engineering exhibitions around the world. Sutton Tools' commitment to professional development is one of the key sources of its continuing success.

**AWARD
RECIPIENT**



2017 VICTORIAN MANUFACTURING HALL OF FAME AWARDS

MANUFACTURER OF THE YEAR - SMALL BUSINESS

PAARHAMMER

A family business founded in Ballan by Tony and Edith Paarhammer in 1990, Paarhammer's double and triple glazed timber windows and doors have been recognised by numerous awards, and are setting the benchmark for energy efficiency in Australia. Since then, Paarhammer has continued to grow and now employs 20 staff.

Staff education and community is very important to the company. Over the years, 35 apprentices have been trained in house in conjunction with Federation University Ballarat, mainly in joinery. In addition, eight employees have taken up the offer to complete certificates in manufacturing and two key staff were supported to go to Europe to learn to make aluminium clad windows, which are now manufactured by Paarhammer as an import replacement.

The company is dedicated to excellence and were the first Australian company to have developed and patented bushfire-resistant windows and doors that are tested and approved to all relevant Australian Standards, up to and including BAL-FZ.

Paarhammer operates from their purpose-built factory at Ballan, with several sustainability features including waste, light and water management systems.

Paarhammer uses only the latest in technology, like Francesco the Robot, a spray painting robot, a first in this industry.

**AWARD
RECIPIENT**





2017 VICTORIAN MANUFACTURING HALL OF FAME AWARDS

MANUFACTURER OF THE YEAR - SMALL BUSINESS

CERAMIC OXIDE FABRICATORS

Ceramic Oxide Fabricators is a family-owned and operated company with a 45 year history in the manufacture and export of alumina-based ceramic products and Zirconia Oxygen Sensors for use by science and industry.

Ceramic Oxide Fabricators is a world leader in the manufacture of high temperature oxygen sensors (500 °C to 1750 °C) and technical ceramic products. The products are typically used for optimised fuel burning in combustion furnaces, management of oxygen concentrations in materials and scientific analysis. Ceramic Oxide Fabricators' high level of expertise has resulted in its growing contribution to the manufacture of medical technologies, pharmaceuticals, and leading-edge electronic component technologies.

Employing a team of 15 people, including two dedicated research and development officers, enables the company to manufacture its highly technical products, aimed largely at export markets across the world, including Europe, China, North America and India.

With a strong commitment to process improvement and environmental sustainability, Ceramic Oxide Fabricators has recently upgraded its power to incorporate solar power.

FINALIST

Ceramic Oxide Fabricators
(AUST) PTY LTD
MANUFACTURERS & SUPPLIERS · CERAMICS FOR SCIENCE & INDUSTRY



2017 VICTORIAN MANUFACTURING HALL OF FAME AWARDS

MANUFACTURER OF THE YEAR - SMALL BUSINESS

WINE IN A GLASS

Founded by Michelle Sims in 2013, Wine In A Glass is a wholly Australian-owned company, based in Murray Plains at Echuca, in northern Victoria. The company manufactures a range of premium Australian wines in single serve, pre-filled and fully recyclable wine glasses made from high quality food-grade PET plastic.

Initially commencing as an importer of an American finished product, Wine In A Glass was soon producing its own Australian products and began to build a domestic base of its own in 2014 and can now boast about its growing export market.

The company's manufacturing processes are monitored through detailed quality control processes, reports and practices. Drawing on a working relationship forged with CSIRO, Wine In A Glass is looking to further enhance its product innovations. The company is also working with the Goulburn Ovens Institute of TAFE to offer vocational educational qualifications in all facets of wine making and production.

Acknowledged for its uniqueness, Wine In A Glass has won the 2015 and 2016 National Drinks Award for Innovation and has found a secure niche for itself through events including sporting events, cinemas, hospital chains, hotels and passenger transport.

FINALIST

Wine  Glass

2017 VICTORIAN MANUFACTURING HALL OF FAME AWARDS

MANUFACTURER OF THE YEAR - MEDIUM BUSINESS

MAJOR FURNACE AUSTRALIA

Major Furnace is a well-established Victorian, family-owned engineering and manufacturing business. The company is known for the engineering and manufacture of medium to large scale furnaces, incinerators and cremators, process ovens and coolers, thermal oxidizers, dust filters and related capital equipment and services. With a significant export record, the vast majority of their products are manufactured in Victoria.

Major Furnace continues to adapt to the economic conditions of the day, providing their customers with a 'one-stop-shop' offering services ranging from concept design through to routine maintenance, component sales and after sales support. It has helped many companies solve specific issues within their plant and processes - for example, it worked closely with BlueScope Steel to develop the next generation of cooling equipment for their soon to be released generation 3 Zinalume™ product.

The company is also the only designer and manufacturer of cremation furnaces in Australia, producing a range of models to suit different needs - from large volume furnaces to small volume systems for regional centres. It continues to develop new technologies for the cremation industry, with its Oxygen Monitoring and Control Systems reducing cremator gas usage by at least 30 per cent.

**AWARD
RECIPIENT**



2017 VICTORIAN MANUFACTURING HALL OF FAME AWARDS

MANUFACTURER OF THE YEAR - MEDIUM BUSINESS

DUCTMAKERS

Ductmakers was established in 1996 as a joint venture company to manufacture ductwork for the three largest mechanical building services contractors in Melbourne, A.G.Coombs, A.E. Smith & Son and D & E Air Conditioning Services (Vic).

Operating from their state-of-the-art facility in Carrum Downs, Ductmakers is Australia's largest manufacturer of high quality commercial air-conditioning ducting and associated products for some of Australia's most significant infrastructure developments and buildings.

Ductmakers uses just-in-time methodologies to provide customers with high quality, innovative and competitive ductwork and associated products.

In 2011, the company expanded its offering to the market securing a licence from Galloway Acoustics (UK) to manufacture a range of acoustic products consisting of attenuators and louvres used in commercial air conditioning.

Ductmakers now manufacture all attenuators and louvres under the Fantech design for Victoria, Western Australia and South Australia.

FINALIST



Ductmakers

2017 VICTORIAN MANUFACTURING HALL OF FAME AWARDS

MANUFACTURER OF THE YEAR - MEDIUM BUSINESS

TEXTOR TECHNOLOGIES

Based in Tullamarine, Textor Technologies is a family-owned and operated business, specialising in the manufacture of materials used to control the transfer of fluids in hygiene applications.

From its local beginnings in Tullamarine, Textor now exports its locally-produced materials to 13 countries, including a unique 3D composite fabric that is recognised as the best material in the world to protect the skin of a new born child.

Textor's success has much to do with its innovative and entrepreneurial spirit, along with a strong commitment to collaboration with Australia's research community. It has worked closely with the CSIRO, particularly its Advanced Fibres Program, creating novel structures and commercialising those technologies into global supply chains.

In conjunction with Textor's strong innovation commitment, there is also a close coupling with its manufacturing base, which is located on the same premises. Its modern facilities include high levels of automation, providing a great example of lean manufacturing and Industry 4.0.

Textor is also committed to growing local capability, and has contributed to the Prime Minister's Manufacturing Taskforce, chaired the TCF Innovation Council and the IMCRC, and also been Deputy Chair of the National Innovation Precinct Board.

Textor currently employs 55 people and has a profit share scheme in place. Recognising the rapid industry advancements, it is actively working with its employees to raise awareness of Industry 4.0 and build STEM capabilities.

FINALIST



2017 VICTORIAN MANUFACTURING HALL OF FAME AWARDS

MANUFACTURER OF THE YEAR - LARGE BUSINESS

SUTTON TOOLS

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Today, the company is renowned for the high quality of its engineering, cutting and power tool accessories, maintaining a market leadership position in Australia by continually evolving its products and manufacturing process.

A strong focus on exporting since the company's early beginning has been pivotal to its success, with a breadth of over 15,000 individual items ranging over 50 product groups providing numerous avenues for growth. Over 40 per cent of Sutton's domestically manufactured product is exported.

Employing around 380 staff, Sutton Tools maintains its commitment to investment, ensuring that its staff, products and manufacturing techniques remain world-class. Over 80 staff are trained in Lean and hold a Certificate IV in Competitive Manufacturing. In addition, Sutton Tools has an ongoing commitment to apprenticeships, taking on two annually, and supports overseas study tours and attendance at major engineering exhibitions around the world.

Sutton Tools' commitment to professional development is one of the key sources of its continuing success.

**AWARD
RECIPIENT**





2017 VICTORIAN MANUFACTURING HALL OF FAME AWARDS

MANUFACTURER OF THE YEAR - LARGE BUSINESS

ORORA

Orora is a global-scale packaging solutions company headquartered in Melbourne, with more than 6,200 staff spread across operations in seven countries.

Operating predominantly across Australia, New Zealand and North America, Orora works closely with its customers in the design and manufacturing of custom packaging products such as glass bottles, beverage cans, corrugated boxes, recycled paper, cartons, multi-wall paper bags and point-of-purchase (POP) displays. The company also offers broad end-to-end packaging solutions, including global product sourcing, distribution, design, printing and warehousing optimisation.

In Victoria, Orora operates seven manufacturing plants and six distribution centres, delivering a range of packaging solutions. Its research and technology laboratory in Scoresby is accredited by Australia's National Association of Testing Authorities. There Orora's team of chemical and mechanical engineers, chemists, physicists, and technicians perform recycled fibre assessments, fibre analysis, paper making simulations and pulp evaluation, food contact testing and transport simulations. This technical leadership translates into real-world innovation - for example, in a first for Australia Orora introduced shrink-sleeve technology for high impact promotional glass packaging.

FINALIST





2017 VICTORIAN MANUFACTURING HALL OF FAME AWARDS

MANUFACTURER OF THE YEAR - LARGE BUSINESS

PACCAR AUSTRALIA

Paccar Australia established its Kenworth manufacturing facility in Bayswater in 1971 to produce custom-built, Australian-made trucks. All aspects of Kenworth truck design, engineering and manufacture occur at the Bayswater facility, drawing on 'state-of-the-art' robotics technology and an exceptional team.

The facility has grown substantially over the last 45 years and over that time many additions have been made to the 42 hectare site to allow for increased production and improved productivity. Since its inception in 1971 Kenworth has designed and built over 55,000 trucks across 60 truck models in Australia that are designed to last in the tough Australian environment. Australia's combination of large geographic size and relatively small population means that vehicles tend to carry heavier loads for longer distances than their European counterparts.

Kenworth trucks have been designed to manage large loads, high temperatures, and long distances - providing a level of reliability and durability valued by its Australian customers.

In 2016, Paccar Australia invested over 25,000 hours in employee training and development, including providing 12 employees the opportunity to complete a Diploma of Engineering and 12 senior and emerging leaders with the opportunity to undertake a Graduate Diploma in business. This commitment has resulted in a record 87.5% participation rate in the company's Employee Engagement Survey, and exceptional satisfaction scores across a range of indicators.

FINALIST

PACCAR
Australia



2017 VICTORIAN MANUFACTURING HALL OF FAME AWARDS

HIGH GROWTH SECTORS DEFENCE, TRANSPORT AND CONSTRUCTION TECHNOLOGIES

IMPRESA HOUSE

Impresa House is an Australian-owned company that is delivering the next evolution in sustainable, energy-efficient and fully customisable housing. Through their panelised building system, the company manufactures and delivers prefabricated buildings, which provide vastly improved structural, thermal and acoustic properties, engineered specifically for the demanding Australian climate.

Combining CNC (Computer Numerical Control) technology and Australian building innovation and on-site manufacture, Impresa House's panelised building system rethinks the construction process from the ground up, crafting every detail to exact individual specifications.

Its buildings are manufactured offsite to increase construction speed using high-tech machinery that allows for greater precision and quality, and a highly skilled workforce.

Currently employing 40 people, Impresa House manufactures locally in Melbourne and delivers elements for construction assembly anywhere in the country. Impresa House sees itself as not changing the construction industry, just enhancing the process and improving upon it.

**AWARD
RECIPIENT**



2017 VICTORIAN MANUFACTURING HALL OF FAME AWARDS

HIGH GROWTH SECTORS DEFENCE, TRANSPORT AND CONSTRUCTION TECHNOLOGIES

FLIGHT DATA SYSTEMS

Founded over 25 years ago and operating from its modern, well-equipped facility near Melbourne Airport, Flight Data Systems provides specialist aviation products and services to over 250 commercial and military companies worldwide.

The company specialises in the design and manufacture of ground support equipment and airborne components, including environmental labs, flight data readout analysis and unmanned systems R&D, as well as training. This niche market requires a high standard of internal compliance to manufacturing standards, including international bodies such as EASA, EUROCAE, CAA and Australia's CASA.

Flight Data Systems' customer base includes more than 300 defence and civil organisations in the Asia Pacific region, with a growing customer base in Europe and North America. It holds a number of long-term contracts with the Australian Defence Force and major airlines, and has a number of significant organisational partnerships with major global aviation and defence industry companies such as Airbus/Teledyne Controls, ELBIT Systems, Lockheed Martin, L3 Communications, Honeywell and others.

Flight Data Systems has evolved and continues to invest in the latest technology for operations, testing and repair, investing in R&D of both military and civilian airborne products and contributing to the aviation industry sector globally.

FINALIST



2017 VICTORIAN MANUFACTURING HALL OF FAME AWARDS

HIGH GROWTH SECTORS MEDICAL TECHNOLOGIES AND PHARMACEUTICALS

IDT AUSTRALIA

Headquartered in Boronia, IDT Australia is a publicly listed Australian pharmaceutical manufacturing company that has brought expertise and innovation to the development and production of pharmaceutical products for local and international markets for over 30 years.

IDT specialises in high-containment, high-potency manufacture of active pharmaceutical ingredients and finished drug products such as tablets, capsules and injectables, microbiological and analytical testing.

IDT's facilities are audited and accredited by the US Food and Drug Administration and Australia Therapeutic Goods practice standards. With an experienced team of specialists within world-class facilities, IDT provides a flexible, comprehensive service from early-stage development to finished drug formulation, through to scale-up and commercial manufacture.

Over the year, IDT has successfully undertaken many projects for international companies with products bound for the US, Europe, Japan, and other global markets.

Currently employing over 80 people, IDT Australia's culture is built on the importance of quality, and is proud to have worked with nine of the top ten global pharmaceutical companies.

**AWARD
RECIPIENT**



2017 VICTORIAN MANUFACTURING HALL OF FAME AWARDS

HIGH GROWTH SECTORS MEDICAL TECHNOLOGIES AND PHARMACEUTICALS

OSTEON MEDICAL

Established in 2007 within the Advanced Manufacturing Department at Swinburne University, Osteon Medical is a medical implant manufacturing company which stands out as an example of the successful commercialisation of university-led R&D. Co-developed with the Department of New Manufacturing at Swinburne University, Osteon's technology enables it to build and supply custom-design dental and facial implant prostheses.

Operating from its own state-of-the-art facility in Melbourne, Osteon specialises in the development and manufacture of CAD/CAM implant prosthetic product solution for use by dental professionals in local and international markets. Sales, customer service and technical support are also coordinated from their Melbourne headquarters.

Osteon has experienced significant growth since its establishment in 2008 and now employs 11 people and is expanding its reach to China, South Korea and Japan.

Osteon prides itself on the company's intrinsic values of innovation, integrity, excellence and customer value. It continues to support research-led innovation and participates in the Monash University Internship Program, placing students on 12 weeks project experience prior to their graduation.

FINALIST





2017 VICTORIAN MANUFACTURING HALL OF FAME AWARDS

HIGH GROWTH SECTORS NEW ENERGY TECHNOLOGIES

SETEC

Setec is a family-owned company specialising in the design, manufacture and distribution of power management and supply products across industries including automotive, communications, gaming, medical and recreational vehicles.

The company manufactures a range of products, including battery monitoring, electrical control gear and switch mode power supplies, which it delivers locally and internationally to New Zealand, the United States, China and Europe.

From prototype to finished product, Setec's state-of-the-art engineering and manufacturing processes allows the company to streamline each customer's specific needs throughout the entire production process.

Setec identifies prioritising the development of strong working relationships with their customers as being key to their success. Treating each client as a partner enables the company to deliver above expectation, while maintaining production and quality stability and ensuring repeat business.

The company funds the Peter Lloyd Scholarship at the University of Melbourne, supporting Masters students who are researching innovative technologies. It also hosts electronic and software engineering interns, and has an active research program, with a particular focus on the applications of lithium batteries for the recreational and caravan sector.

**AWARD
RECIPIENT**





2017 VICTORIAN MANUFACTURING HALL OF FAME AWARDS

HIGH GROWTH SECTORS NEW ENERGY TECHNOLOGIES

THYCON INDUSTRIAL

Thycon Industrial is Australia's leading manufacturer of power quality and conversion solutions for the industrial, resource and commercial sectors. Since the company's foundation in 1968, their product line has grown steadily in response to technical advances and market needs.

Today, the product line encompasses power quality solutions to address issues such as surges, sags, spikes, flickers, brown-outs and blackouts, and power control solutions to control voltage, current and frequency conversion, power rectification, inversion and high-speed switching. Applications of note include some of Australia's largest data centres for the Stock Exchange, telecommunications, banking and finance, airports, education facilities, transport, government and defence.

The company maintains their engineering and manufacturing expertise in Victoria in order to more effectively tailor solutions to customer needs and resolve issues without relying on advice or supply from overseas. Thycon's dedicated customer support services include preventive maintenance, round-the-clock remedial service, smart monitoring, customer training programs and engineering advisory services across Australia.

Thycon's reputation for robust, long life, quality equipment is well established in Australia, where many of its products are still in operation after more than 25 years of service. In recent years it has earned international recognition in the form of multimillion dollar contracts with Northrop Grumman Corporation (USA).

FINALIST

THYCON

2017 VICTORIAN MANUFACTURING HALL OF FAME AWARDS

HIGH GROWTH SECTORS FOOD AND FIBRE

PROCAL DAIRIES

The Procal Dairies story started in 2003 when father and son, Nick and Adam Thyssen, saw a gap in supplying good quality milk and exceptional customer service into the dairy delivery market. Today, Procal remains a 100% Australian and family-owned dairy manufacturing and distribution company.

Based in Campbellfield, Procal's plant is capable of producing over 120 million litres of milk annually and the company's unique location puts their processing plant only hours away from a range of premium farming districts.

Procal believes that high quality milk produces high quality products, and the products are consistently awarded in the industry as well as many other forums.

Procal employs 59 people, with this expected to grow due to the forecast increase in export sales to South East Asia and the United Arab Emirates.

The company is committed to minimising its environmental impact and introduced Australia's first back-to-base recycling program for its bottles, continuing to recycle approximately 40 per cent of the bottles of milk sold.

**AWARD
RECIPIENT**



2017 VICTORIAN MANUFACTURING HALL OF FAME AWARDS

HIGH GROWTH SECTORS FOOD AND FIBRE

MERINO & JUMBUCK COMPANY AUSTRALIA

Founded in 1997 and operating from their Brunswick East wool mill in Melbourne's north, Merino and Jumbuck is a manufacturer of pure merino wool thermal garments and is Australia's largest producer of thermal underwear. Having serviced the Australian market for three decades, the company has contributed significantly to the Australian food and fibre sector, including having supplied thermals to the Australian Defence Force, the 2002 Australian Salt Lake Olympic team and an Antarctic expedition.

Merino and Jumbuck's competitive advantage lies in its local supply chain, quick response, quality products and unique knit technologies, which is reaffirmed by their domestic and export customers who want to be a part of the innovative Australian wool story, and by extension the pure and sustainable nature of wool and its wonderful wearing characteristics. Its strong engagement and collaboration culture has supported new beginnings for students with an interest in clothing production and fashion, including with RMIT, LaTrobe University and research organisations such as the CSIRO and Deakin.

Employing 23 staff to produce 100,000 units per annum in Victoria, with exports to the US and South East Asia, Merino and Jumbuck has a core value commitment to sustainability, having implemented significant initiatives to reduce waste and energy consumption, including the implementation of a solar system, which powers their machines throughout the day. The company has benefited from their commitment to LEAN manufacturing processes through achieving key efficiencies, while furthering their goal of reducing landfill waste to zero and promoting their Thermo Fleece and Merino Skins brands as leaders in sustainability.

FINALIST

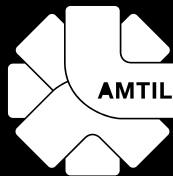


MERINO & JUMBUCK

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