

MADE IN VICTORIA

2022 VICTORIAN MANUFACTURING
HALL OF FAME AWARDS

SOUVENIR BOOKLET

YEARS

MADE IN VICTORIA

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2022 VICTORIAN MANUFACTURING HALL OF FAME AWARDS

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MADE IN VICTORIA

MESSAGE FROM THE MINISTER

Welcome to the 2022 Victorian Manufacturing Hall of Fame Awards.

This year marks the 20th anniversary of the awards and I'm pleased that we can celebrate this milestone together. It's a night for Victoria's manufacturing sector, and the companies and people that are driving its growth and success.

The theme for this year's awards is Made in Victoria in recognition of the state's local manufacturers and the breadth of their products and innovations. It also reflects the key role manufacturing plays in Victoria, supporting approximately 260,000 jobs and contributing close to \$31 billion to the local economy each year.

Building on our long tradition in manufacturing, Victorian companies are now looking to the future and adding to their repertoire.

Whether it's finding greener ways of operating or adopting cleaner technology to help them transition to a low carbon world, or embracing new technologies and automation to increase efficiencies and boost productivity.

It's fascinating to witness our manufacturing sector grow from what we have been known for – automotive, aerospace, defence, metal, food, chemical and general manufacturing – into a burgeoning centre for medical technology, robotics and space technology production.



These advancements are helping cement Victoria's status as the epicentre of Australian advanced manufacturing and destination of choice for trailblazing companies.

Congratulations to all of tonight's finalists and winners. Your hard work means a lot to Victoria.

We will continue to back you.

Hon Ben Carroll MP
Minister for Industry Support
and Recovery

PREVIOUS RECIPIENTS

HONOUR ROLL

Alistair Murray
Andrew Stobart
Bill & Jim Sutton
Bob Herbert
Bruce A. Griffi
Bruce Parker
Carl Bizon
Darryl Page
David & Tony Ellul
Dr Erol Harvey
Dr Graeme Blackman
Dr Walter Uhlenbruch AO
David Burton
David Haymes
Douglas Maxwell
Ernest Frederick Dawes OBE
Geoffrey Bell

George Gatehouse
Gerry Ryan OAM
Ivan D James
Ken Grenda AM
Lee Kidman
Peter Carthew AM
Peter Thomas AM
Philip Leslie
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
Anne Koopmann
David Fitzpatrick
Dr Ashley Denmead
Dr Peter Campbell
Heidi Edmiston
James Dickey
Jason Oliver
Luke Dwyer
Matthew Arblaster
Matt Nettleton
Nicholas Orchowksi
Prue Morgan
Stephen Murtagh
Scott Grinter
Vanessa Katsanevakis

WOMAN MANUFACTURER OF THE YEAR

Jill Walsh
Rochelle Avinu
Vanessa Kearney



PREVIOUS RECIPIENTS

MANUFACTURER OF THE YEAR

SMALL BUSINESS

Australian Precision Technologies
Coating and Industrial Technologies
Columbia Australia
H&H Machine Tools Australia
Integra Systems
Osteon Medical
Paarhammer
Thermofi Australia

MEDIUM BUSINESS

A.W. Bell
Creature Technology Co.
Future Fibre Technologies
GP Graders
Koko Black
Major Furnace Australia
Safetech
Thycon

LARGE BUSINESS

Bosch Australia
CSL Behring
Dulux Australia
Hickory Building Systems
Marand Precision Engineering
Qenos
SRX Global
Sutton Tools

COMPANY INDUCTIONS

A.W. Bell Pty Ltd ADA	Autoliv Australia
Advanced Polymer Technology Australasia	Avon Graphics
Aerostaff Australia Pty Ltd	Backwell IXL
Air International Group	Barker Trailers
Air Radiators Pty Ltd	Basell Australia
Aisin Australia	Bervar (T/as Della Rosa Foods Group)
Albins Off Road Gear	Bluescope Steel Limited
Alcoa of Australia	BOC
Al-Ko	Boeing Aerostructures Australia
Alstom Transport Australia	Bombardier Transportation Australia
AME Systems	Boss Polymer Technologies
AMR Hewitts Print Packaging	Boundary Bend Olives
ANCA	Brintons Carpets
Andrew Peace Wines	Cablex
APS Plastics	Carbon Revolution
ArchiBlox	CDS Technologies
Armstrong World Industries	CE Bartlett
Assa Abloy	Champion Compressors
Athlegen	Charlwood Design
Austeng	Close the Loop
Australian Arrow	Clyne Foods
Australian Automotive Air	Coating and Industrial Technologies
Australian Precision Technology	Cobalt Design
Australian Rollforming Manufacturers	Colour Vision Systems
Australian Turntable Company	Colourcraft Printing
Autofab Australia	

PREVIOUS RECIPIENTS

Compumedics Limited	GBC Scientific Equipment	Jayco Corporation
Corex Plastics (Australia) Pty Ltd	Gekko Systems	Jindi Cheese Pty Ltd
Creative Cabinets	Gippsland Aeronautics	JS Melbourne Controls
CSL Limited	GKN Aerospace	Keech Australia
CSL Behring	Engineering Services	Kingfish International
Dairy Innovation Australia Ltd	GlaxoSmith Kline Australia	Koko Black
Davey Products	Godfrey Hirst Australia	Kraft Foods
Diver Consolidated Industries	GP Graders	Laucke Four Mills
Duratrax International	H&H Machine Tools Australia	LangTech International Pty Ltd
DVR Engineering Pty Ltd	Haines Hunter	Laurent Bakery Pty Ltd
D&D Global Group	Hakubaku	Lochard Limited
DAIR Industries Pty Ltd	Hawker de Havilland	Lovitt Technologies Australia
EBM Papst	Hazeldene's Chicken Farms	Lumen Australia
Ecotech	Hella Australia	Marand Precision Engineering
Ego Pharmaceuticals	Henry Haymes (t/as Haymes Paint)	Masterfoods
Extel Technologies	Hickory Building Systems	Maton
Fantech	Hilton Manufacturing	McPhersons Printing Group
Fairmont Medical Products	HM Gem Engines	Melba Industries
Fergusson Plarre Bakehouses	Holden Special Vehicles	Metaltec Precision International
Ferndale Confectionery	Hospira Australia	Mett
Finewrap Australia	Hydrix	MHG Asia Pacific
Flavour Makers	INC Corporation	MIL- Systems
FMP Group	Invetech	Millenium Electronics
Ford Motor Company	Injectronics	MiniFab (Australia)
Future Fibre Technologies	Institute of Drug Technology	Mobil Refinery Australia (Altona)
Futuris Automotive	Integra Systems	Morgan Advanced
Interiors (Australia)	J Furphy & Sons	Materials Australia



PREVIOUS RECIPIENTS

MtM
MSD Animal Health
Murray Goulburn Co-operative
NeoProducts
NHP Electrical
Engineering Products
Note Printing Australia Ltd
Olex Australia
Oz Press
PACCAR Australia
(Kenworth Trucks)
Pantalica Cheese Company Ltd
Patties Foods
Paz Group
PBR Australia
Pemara Labels Australia
Placard
PMP Print
Production Parts
PZ Cussons Australia
Qenos
Radio Frequency Systems
RFI Technology Solutions
RMIT University
Robert Bosch (Australia)
Roma Food Products
Ronstan International

Rosebank Engineering
RUAG Australia
Schiavello Group of Companies
Sealite
SGE Analytical Science
Siemens VDO Automotive
SRX Global (Australia)
STS Creative Printing
Swinburne University
Sutton Tools
Tenix Defence
Thales Australia
TNA Australia
Torian Wireless
Toyota Australia
TransGlaze
Trimas Corporation
United Bonded Fabrics
Universal Biosensors
Viridian Glass
Visy Preprint
Visy Recycling
Volgren Australia
Warren & Brown Technologies
Whitley Marine Industries
Willow Ware Australia
Wilson Transformer

HIGH GROWTH SECTORS

Albins Performance Transmissions
Alstom Transport Australia
Andrew Peace Wines
Bombardier Transportation
Chobani
Cobalt Design
Dairy Innovation Australia
Entegra Signature Structures
Fairmont Medical Products
IDT Australia
Impresa House
Keppell Prince Engineering
LangTech International
Leica Biosystems
MHG Asia Pacific
Millennium Electronics
Mil-Systems
MSD Animal Health
Procal Dairies
RMIT Advanced
Manufacturing Precinct
Setec
Swinburne University
of Technology

MADE IN VICTORIA

2022 VICTORIAN MANUFACTURING HALL OF FAME AWARDS

AWARD RECIPIENTS
AND FINALISTS

MADE IN VICTORIA



HONOUR ROLL SERVICE TO INDUSTRY

WINNERS

PATRICK BOLAND **ANCA**

Successfully co-founding and building global manufacturing and engineering business ANCA, and over 50 years' contribution to industry, makes Victoria's Pat Boland a 'manufacturing hero'.

An Australian advanced manufacturing success story, ANCA is a market-leading manufacturer of CNC tool grinding machines, laser markers, automation solutions, motion controls and sheet metal components. The company has over 1200 employees globally, with around 500 at its Bayswater North headquarters, and exports 99 per cent of what it makes to more than 50 countries. With a turnover of almost \$200 million, ANCA is headed for its busiest year ever.

Graduating with a Master of Electrical Engineering from the University of Melbourne in 1971, Pat's entire career has been dedicated to advanced manufacturing as the Founder and Managing Director of ANCA from 1974 to present. Pat is heavily involved in the business and is an example to the local manufacturing community that sophisticated industrial businesses can thrive in Australia.

PAT MCCLUSKEY **ANCA**

Pat McCluskey is the practical, design-focused contributor to the dynamic duo that founded advanced manufacturing success story ANCA in Melbourne's Bayswater North.

For nearly 50 years, Pat's passion for machine design has been driven by his goal of wanting to get machines to do things better. To this end, ANCA has launched a series of innovative technologies to the market, with 38 patent applications globally, from seven patent families in the fields of mechanical engineering, electrical engineering and software.

A lifetime of industry contributions makes Pat an 'industry hero', starting back when he was the state's Apprentice of the Year in 1970. He's worked to promote and develop apprentices' skills ever since. Pat is the primary sponsor of the Apprentice Centre at ANCA.

As Managing Director, Pat McCluskey is heavily involved in the business, including actively working with the engineering department to mentor the team every day to design ANCA's newest technology.

FINALIST

PETER MARKS **FOODMACH**

Peter Marks was a director of Foodmach until his untimely death in 2021. Foodmach has nominated Peter posthumously for this award.

Peter held the position of Director of Capability and Export for packaging integrator Foodmach and was a central figure in the Australian packaging industry for decades. Peter started with Foodmach in 1977 and together with four co-workers led a management buyout in 2002. Peter and his co-directors worked full time in the business, nurturing the team through year-on-year growth.

In his 44 years with the company, Peter worked in design, manufacturing, project management, installations, sales and estimating and led R&D programs within the business that made Foodmach the success it is today. Peter's career highlight was the award-winning Robomatrix® which set the standard for high-speed palletising and fast product changeovers in Australia.

Peter's true legacy is a thriving Australian business that will continue to provide a livelihood for hundreds of talented engineers, designers, tradespeople, support teams and their families.



FOODMACH
Automation | Robotics | Integration | Turnkey Projects

YOUNG MANUFACTURER OF THE YEAR

WINNER

BENJAMIN CHENG **EAGLE LIGHTING** **AUSTRALIA**

Benjamin Cheng's journey in manufacturing began in 2015, when he completed a placement in the quality department at Nissan Casting Australia in Dandenong. Benjamin continued working while studying, and on the basis of his final-year project on driving entropy, was given the opportunity to work in Japan with NHK Spring, providing research and development for international automotive brands such as Subaru.

As a graduate, Benjamin has continued his design engineering development at Eagle Lighting, where his work at the Melbourne Airport manufacturing facility further developed Benjamin's proficiency in production, quality and procurement. Benjamin has built relationships with domestic and international suppliers, working closely with external test labs and rapid prototyping facilities. He has also applied his knowledge and experience in continuous improvement to product and manufacturing processes.

In 2021 Benjamin's work in developing a sustainable system with a circular economy approach won the Circular Advantage Award sponsored by KPMG and the Hume and Kingston city councils.



FINALISTS

PRITESH MANJIBHAI **JIVANI** **VERSATILE WINDOWS**

Pritesh Jivani started as an estimator at Versatile Windows in 2019 having completed a Master in Construction Management at Deakin University. Pritesh also has civil engineering qualifications from India.

Since joining Versatile Windows, Pritesh has secured projects including the \$10 million Grand Hotel Portarlington, \$5 million Holy Family Primary School and a \$3 million Community Centre. In a short time, Pritesh has progressed to Head Estimator at Versatile Windows with responsibility for tenders valued at \$5 - \$10 million.

In addition to his estimator role, Pritesh is dedicated to manufacturing and production research and innovation projects. He participates in industry networking activities including volunteering at the BILT Digital Built Environment Institute. Pritesh has published research papers and is a member of the Australian Institute of Quantity Surveyors and the Chartered Institute of Building. Pritesh is currently researching digital solutions to address industry skills shortages to maintain productivity objectives.



ALEXANDER TAI **ESSITY**

Alex Tai grew up in Newcastle, NSW and studied chemical engineering at university. Growing up in a hardworking hospitality-based immigrant family, Alex was motivated to join an industry with an impact that could be felt by his family and friends. This led him to fast moving consumer goods manufacturing and the Melbourne-based graduate program for Essity, a leading manufacturer and supplier of personal and professional hygiene products.

Alex's first year at Essity's Box Hill manufacturing site focused on household products, helping implement a waste reduction marking program and a lubrication maintenance program. In his second year, Alex moved to the Springvale feminine hygiene and incontinence products manufacturing site, where he was key to several multidisciplinary project teams.

Alex's process engineering skills have developed alongside his project work. Five years into manufacturing, this combination of skills has established Alex as a project engineer managing capital projects who is proud to be part of local manufacturing in Australia.





WOMAN MANUFACTURER OF THE YEAR

WINNER

ANDREA DEL CIOTTO OSTEON MEDICAL

Andrea started her career as a Management Consultant with PwC and has extensive experience driving global corporate strategy, business development and operations functions across various business sectors.

Andrea has been instrumental in driving success at Osteon Medical, a medical device manufacturer headquartered in Mulgrave in Melbourne. Andrea has been pivotal for Osteon's expansion locally and internationally into Japan, France and the United States. Under Andrea's leadership, the organisation has obtained and maintained compliance with ISO13485, TGA, FDA and other regulatory bodies and jurisdictions.

Andrea is most passionate about manufacturing locally to address strategic sovereign manufacturing need. Andrea holds a Bachelor of Science and Bachelor of Information Systems from the University of Melbourne. Andrea is a founding member of the Australian Medtech Manufacturing Centre (AMMC) Industry Advisory Group.



FINALISTS

KATHRYN MCDONALD QENOS

Kathryn McDonald is the Engineering & Business Improvement Manager at Qenos in Altona, responsible for \$2 billion of manufacturing assets. Kathryn leads a professional multi-disciplinary team of highly respected engineers, delivering business improvements across all aspects of plant operations and infrastructure.

Kathryn is an experienced chemical engineer with a diverse 28 years of experience in operations, management, strategic planning, safety, project management and budget management alongside coaching and development of her team. Kathryn has also been heavily involved in leading major plant shutdown planning and the execution and commissioning of complex brownfields projects.

Kathryn has achieved brilliant business results during her outstanding career and has excelled in a male-dominated manufacturing and industrial environment. She enjoys sharing these skills by coaching and mentoring early-career engineers and is a strong advocate for encouraging young females into the industry. Above all, Kathryn values making a tangible difference at Qenos and in the industry as evidenced by her work with Engineers Australia and Chemistry Australia.



CAROLINA HINOJOSA DURATRAY INTERNATIONAL

Originally from Chile and with a Bachelor in Business from the University of Valparaiso, Carolina Hinojosa is the first female CEO at Duratray International.

Carolina commenced her career at the Copper Corporation of Chile and later migrated to Australia. As a young professional, Carolina began working at Duratray in 2001, the same year the company started, growing professionally alongside Duratray.

Over her 20 years with the company, formerly as CFO and now as CEO, Carolina has achieved great success for Duratray's manufacturing and international growth. Thanks to her determination to step up manufacturing operations, the company has been certified with international quality standards, including Quality, Environmental and OHS management for more than 10 years.

Carolina also led the opening of the first branch of Duratray in the United States and thanks to her tenacious negotiation skills, Duratray sold its first dump body in the Eastern European market, opening a new region for business development.



COMPANY INDUCTION TO THE VICTORIAN MANUFACTURING HALL OF FAME

WINNER

INTEGRA SYSTEMS

Established in 1991, Integra Systems is an Australian-owned industrial product-design and advanced manufacturing enterprise located in Melbourne's north.

Integra designs and manufactures products centred around light metal. They are leaders in Industry 4.0, with their own fully digitised advanced manufacturing operations powered by their Industry 4.0 innovation, the K4.0 Kiosk. With a passion for nurturing, challenging and building curious minds, Integra constantly innovates and pushes the boundaries to produce the highest quality products that make their customers visions real. As an incubation centre for innovative ideas, Integra has designed and commercialised a range of proprietary products manufactured under its Integra TransForm division.

Integra strives for the highest quality and continuous improvement in all their processes, while maintaining a commitment to their core values of respect, progressiveness, collaboration, passion and sustainability.

Integra's product design and advanced manufacturing processes are driven by the principles of the circular economy, particularly waste minimisation and cradle-to-cradle concepts.

WINNER

AMAERO ADDITIVE MANUFACTURING

Amaero International Limited is an Australian-based manufacturer of large format complex components in metal with laser-based additive manufacturing, also known as 3D printing.

Amaero's principal activity is providing end-to-end additive manufacturing solutions in terms of services, equipment, alloys and technology to its key clients in the aviation, defence and space sectors and the tool and die industry.

Amaero is Australia's largest metal 3D printing company, by both the number and the size of the machines operated. Amaero has worked with many of the world's leading manufacturers of aerospace and defence products in both an R&D and manufacturing capacity and has a demonstrated ability to deliver aviation and military specification 3D printed alloy critical operation components from its facilities in Melbourne, Adelaide and Los Angeles.

Amaero is AS9001:2015 and AS9100D certified and is also certified under the Defence Industry Security Program. Amaero International Limited was listed on the ASX in late 2019.



FINALISTS

DURATRAY INTERNATIONAL

Duratray International is a leading designer and manufacturer of high-efficiency dump bodies for the mining industry's haulage equipment. Through ongoing innovation in the design of its trays, Duratray has responded to the most challenging mining conditions, offering highly technological solutions to haulage equipment.

In 1996 Duratray's R&D department developed the first world-wide lightweight system for dump bodies and in 2001 created the rubber Suspended Dump Body for ultra-class trucks. In recent years, the company has added IoT technology to its trays, creating the 'Duratray Smart Tray 4.0.' Since 2021 the company has been working in collaboration with Deakin University to develop its revolutionary project, Duratray's Composite Tray 'Fibre One'.

Duratray International is the only dump body manufacturer in Victoria and from Melbourne has grown its international footprint to more than 35 countries, manufacturing and exporting to South Africa, Canada, UK, Zambia, China and Germany among others.



DUAL CHELATE FERTILIZER

Starting in 2016 with an ambition to become the science in the plant nutrition, Dual Chelate Fertilizer's (DCF) vision of a low-toxic, highly efficient fertiliser for commercial crop production has created a company with one of the most advanced patented technologies in the plant nutrient space.

DCF mainly uses plant-derived amino acids and organic molecules extracted from sustainable sources such as chelating agents. This innovative technology results in higher efficiencies and less need for chemical fertiliser.

DCF's primary research and manufacturing facility in Robinvale runs an almost zero-waste operation and produces enough solar power to run the whole process. The company has expanded into major agricultural areas in other states.

DCF's experienced field staff uses state-of-the-art technologies advise producers on the best fertiliser recommendations with soil and plant tissue analysis.

DCF is ISO 9001 certified and a Fert-Care certified organisation with ASPAC certified QC Laboratory and is a member of the Global Soil Laboratory Network and United Nations Global Compact.



MANUFACTURER OF THE YEAR MEDIUM BUSINESS

WINNER

CARE ESSENTIALS

Care Essentials' innovative, high-quality products for the healthcare industry are manufactured and distributed from the company's 12,000 square meter state-of-the-art manufacturing facility in North Geelong. Care Essentials' mission is to improve patient outcomes, optimise healthcare workflows while reducing hospital costs.

Care Essentials specialises in supplying operating theatre and intensive care unit products, and its Cocoon range is the market leader in forced air warming, competing with the likes of 3M. Cocoon has approximately 70 per cent market share in Australia and is recognised in more than 65 countries. Care Essentials has a robust R&D team, quality assurance team, on-ground sales managers, clinical educators and a hands-on management team to ensure efficient supply of quality products and services.

Care Essentials won coveted state and federal Australian Exports Awards in 2019, 2020 and 2021. Care Essentials' extensive customer base includes the country's large public and private hospital groups and all Australian state governments.



FINALISTS

COOLON

Coolon is a multi-award-winning Victorian advanced electronics manufacturer, specialising in premium LED lighting for mining, defence and architectural sectors.

As a family-owned Australian company, Coolon is a champion of local advanced manufacturing and skills. Coolon advocates that, together, manufacturers can achieve more. With more manufacturers operating in Australia, the more established, mature and robust Australia's supply chains become, better talent is attracted, and more skilled jobs are created.

Coolon invests significantly in R&D and is continuously developing new products and technologies with full-spectrum in-house capabilities including a large R&D team and facilities, manufacturing capabilities, testing, support and sales. The company's focus is redefining safety and productivity for industrial applications, through lighting and augmenting its portfolio to other technologies.

Coolon won *Manufacturers' Monthly* 2021 Endeavour Awards for Manufacturer of the Year, Most Innovative Manufacturing Company, and Best IIoT Application along with other awards for its upcoming innovative technologies.



INTEGRA SYSTEMS

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MANUFACTURER OF THE YEAR LARGE BUSINESS

WINNER

PLANET INNOVATION

Planet Innovation (PI) is a product development and manufacturing company that exists to commercialise breakthrough products that transform industries and have a positive impact on the world. Established in 2009, PI has a unique service offering that stretches from early product concept design right through to manufacturing and support.

PI has its own internal division to locally manufacture regulated products. The PI manufacturing team has considerable experience managing ISO 13485:2016 compliant medical device contract manufacturing utilising lean principles. Additional to manufacturing instruments, PI has an ISO 7 certified cleanroom to support the manufacture of sterile consumables that are often associated with the biomedical industry.

PI has strategically co-located its product manufacturing facility with its product development teams to provide fast transfer to manufacture and continued support of advanced technology products. This rare combination has seen PI become a manufacturing destination for many of the world's most exciting companies.



FINALISTS

LEICA BIOSYSTEMS

Leica Biosystems is a cancer diagnostics company and a global leader in laboratory workflow solutions with a mission of Advancing Cancer Diagnostics, Improving Lives. Having grown from a start-up design and development business specialising in biotech, Leica Biosystems is now one of the top global companies in tissue pathology offering the most comprehensive portfolio from biopsy to diagnosis. Today, Leica Biosystems exports more than 90 per cent of all products designed and manufactured in its Mount Waverley facility.

Innovation is at the heart of Leica Biosystems' success, partnering with commercial companies and research facilities around the globe to improve the diagnostic landscape. These partnerships develop and ultimately commercialise cutting-edge diagnostic test solutions that help identify patients who are likely to benefit from Leica Biosystems partners' emerging therapies, a critical element of personalised medicine.



LUV-A-DUCK

Luv-a-Duck's journey started with a simple love of flavour and family in Founder Art Shoppee's backyard in the 1960s. Today, that same love makes Luv-a-Duck Australia's leading duck product manufacturer.

Art started with 20 ducklings to grow for his father an Adelaide restaurateur. Art was passionate about his duck venture and by the mid-1970s, employing 30 staff, he established a hatchery and processing plant at Nhill, with flocks of ducks being grown nearby.

Art travelled the world in search of ideas to innovate and improve operations and develop new products for market.

To meet demand for Love-a-Duck's products the company constructed and opened a new \$25 million value-add plant in Ballarat during the challenges of COVID-19. This landmark facility is a keystone investment underpinning Love-a-Duck's growth plans.

After Art passed away in 2009, his daughters Theresa and Kim and Love-a-Duck's 270 staff ensure his vision lives on.



LEADER IN INDUSTRY 4.0

WINNER

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FINALISTS

OSTEON MEDICAL

Osteon Medical has become a world leader in the design and manufacture of dental and facial implant prosthetic products.

All of Osteon's products are digitally designed and precision-milled specifically to each patient, with the aim to restore or replace the function of patient bone, teeth or soft tissues in affected areas.

Osteon works closely with local and international surgeons, prosthodontists, dentists and dental laboratories to provide lifelong prosthetics for patients, utilising only the highest quality materials, advanced manufacturing techniques and cutting-edge technologies.

Beginning as a specialised medical device manufacturing centre, Osteon has developed into a technology-focused business, investing in various areas of R&D to stay ahead of the curve in this ever-changing industry. Osteon is now supplying international markets under the Osteon brand name and through various distribution partners. Osteon's headquarters is in Mulgrave, Victoria and more recently, Osteon has opened international facilities in Japan, France and the United States.



RUAG AUSTRALIA

RUAG Australia is a trusted partner for aircraft component manufacturing and maintenance, repair and overhaul (MRO) sustainment solutions, with a strong history of supporting the defence industry for over 35 years.

The company boasts four modern facilities across Australia with unique capability and cutting-edge automated machinery, enabling the team to provide innovative turnkey manufacturing, MRO, engineering, additive technologies and surface treatment solutions.

RUAG has successfully supported the Royal Australian Air Force, Royal Malaysian Airforce, US Navy, SWISS Airforce and others, for aircraft platforms including the F-111, F/A-18 Hornets, Boeing Ghost Bat, F-35. RUAG Australia manufactures the undercarriage systems for the Boeing MQ-28A Ghost Bat Unmanned Aerial Vehicle (UAV), the first UAV designed and manufactured in Australia in over 50 years. RUAG is also assigned to provide MRO services covering APAC for the global F-35 sustainment capability.



WINNER

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FINALISTS

ESSENTIAL FLAVOURS

Essential Flavours in Carrum Downs is a progressive family-owned company that has been creating incredible sweet flavours since 1989.

Essential partners with food, beverage and supplement manufacturers throughout Australia, New Zealand and South-East Asia to make things taste great. From flavour creation, application testing through to the manufacturing of the final product, Essential is proud that its ingredients are Australian and Victorian made.

Essential uses consumer insights, trends and innovation to understand exactly what its clients and their consumers need. Essential provides ongoing trend and marketing support along with exceptional customer service and prompt sampling. With over 10,000 flavours in its repertoire and new flavour creations every day, Essential has decadent chocolates, perfect vanillas, great coffees, the best caramels, plus Asian and Australian native inspired flavours and more in liquid, powder, organic certified and natural formats.



AUSTRALIAN DEFENCE APPAREL

Australian Defence Apparel (ADA) is Australia's largest manufacturer of defence clothing and accoutrements having started in 1912 as the Commonwealth Government Clothing Factory, manufacturing uniforms for the Departments of Defence and Post Master General. The business has traded as Australian Defence Apparel since 1995 and in 2013 was acquired by Logistik Unicorp Inc.

ADA's head office in Thomastown employs 130 staff in design, R&D, inventory, operations, sales, customer service, warehousing and distribution. ADA's Bendigo state-of-the-art manufacturing facility employs 120 skilled workers manufacturing to national and international standards. ADA has offices in South Melbourne, Sydney, Brisbane, Canberra, Gold Coast, Townsville, Adelaide and Auckland.

ADA was the first Australian textile company to sign the 'No Sweat Shop' label agreement. ADA is a member of Ethical Clothing Australia and seeks to work with other members to ensure practices in the local supply chain are audited annually and offshore factories are evaluated for certification to ethical standards such as SA8000, BSCI and WRAP.



LEADER IN INNOVATIVE PRODUCT DEVELOPMENT AND COMMERCIALISATION

WINNER

FOODMACH

Foodmach is Australia's largest advanced engineering-to-order and packaging systems integrator, offering turnkey packaging lines integrated for genuine Industry 4.0 connectivity in the Asia-Pacific region.

Since Foodmach's opening in 1972, most major local fast-moving consumer goods manufacturing operations have benefited from Foodmach's expertise. The company remains completely Australian-owned and operated.

Through continual R&D and improvement processes, Foodmach produces an award-winning range of equipment and services from its 5,500 square metre factory in Echuca, complemented by a range of innovative global brand agencies.

Foodmach's software and line control systems have transformed machine-to-machine interfacing and communication, enabling manufacturers to benefit from digitalisation without the expense of an all-new packaging line or the cyber security risk of mixing old and new machines.

In an early 2020 pivot, Foodmach successfully recreated Australia's only surgical mask machine IP by reverse engineering 40-year-old technology in 60 days.

FOODMACH
Automation | Robotics | Integration | Turnkey Projects

FINALISTS

INVETECH

For more than 30 years, Invetech has partnered with health and life science leaders around the world to co-create breakthrough solutions that millions rely on every day. Invetech assists the world's foremost therapeutic and diagnostic companies commercialise diagnostic devices and cell and gene therapy manufacturing by providing design and development consulting, engineering, manufacturing services, as well as cell and gene therapy platforms.

Its mission is to expand the reach of next-generation healthcare by accelerating the design, engineering, and manufacture of commercial-scale diagnostic products and vital therapies.

Invetech offers the resources of a global company with local expertise and collaboration to support clients around the world. To meet the needs of its global clients, Invetech has development and manufacturing centres in Australia and North America, and exports to the United States, Canada, Europe and Asia.

Invetech

OJAS INFRASTRUCTURE

Ojas Infrastructure is a leading Australian cable company, providing technology leadership as well as highly specialised, complex and customised solar cables in Australia and New Zealand, from its Keysborough-based manufacturing and assembly facility. Ojas Infrastructure was listed among the Australian Financial Review's top 100 fastest growing companies in Australia 2021.

Founded in Melbourne in 2008, Ojas Group – including Ojas Infrastructure, CabLab and ElecSome – supports local manufacturing with National Association of Testing Authorities testing and certifications, and upcycling for a true circular economy. Ojas Infrastructure team has extensive experience in product design, development and testing to provide tailor-made solutions for businesses, including the DC harness for solar farms, and power cables to wind farms.

Ojas Infrastructure's research on the circular economy of decommissioned solar panels focuses on sustainability and innovation to increase the efficiency, effectiveness and impact of existing processes. Ojas Infrastructure's research partners include the University of Melbourne and RMIT University.



LEADER IN GLOBAL SUPPLY CHAIN PARTNERSHIPS

WINNER

NISSAN CASTING AUSTRALIA

Founded in 1982, Nissan Casting Australia (NCAP) is based in Southeast Melbourne and has been manufacturing in Victoria for 40 years, establishing itself as a market leader in die cast manufacturing, specifically for electric vehicle (EV) and hybrid vehicle components, both for Nissan and other vehicle manufacturers.

Within the Nissan Motor corporation, NCAP is known as a Technical Centre of Excellence for the EV and Hybrid vehicle Inverter and Motor parts. NCAP is self-sufficient for engineering and able to launch new projects without support from Nissan Japan due to the recognition of exceptional engineering capability within the company. This allows NCAP to provide component design input for die casting and manufacture of electric vehicle components for some of the world's top-selling EV and hybrid vehicles. To date, NCAP has supplied over 500,000 units globally for the Nissan LEAF EV alone.

Nissan's leadership in electric vehicles demonstrates not only NCAP's commitment to progress and the environment, but also to bringing cleaner and quieter power and transportation to the world.



FINALISTS

DURATRAY INTERNATIONAL

Duratray International is a leading designer and manufacturer of high-efficiency dump bodies for the mining industry's haulage equipment. Through ongoing innovation in the design of its trays, Duratray has responded to the most challenging mining conditions, offering highly technological solutions to haulage equipment.

In 1996 Duratray's R&D department developed the first world-wide lightweight system for dump bodies and in 2001 created the rubber Suspended Dump Body for ultra-class trucks. In recent years, the company has added IoT technology to its trays, creating the 'Duratray Smart Tray 4.0.' Since 2021 the company has been working in collaboration with Deakin University to develop its revolutionary project, Duratray's Composite Tray 'Fibre One'.

Duratray International is the only dump body manufacturer in Victoria and from Melbourne has grown its international footprint to more than 35 countries, manufacturing and exporting to South Africa, Canada, UK, Zambia, China and Germany among others.



STARWARD

Melbourne born and bred, Starward founder David Vitale began with a simple vision: to create a distinctly Australian whisky to offer to the world with pride.

It all started in 2007 when Starward tried something new and never looked back. Melbourne has arguably some of the best red wine barrels in the world in its 'backyard' and has the quality of ingredients and materials available within a day's drive. Starward is shaped by Melbourne, from the intensely reactive climate for ageing whisky, to the quintessential Melbourne approach to drinking and dining.

Starward has been awarded and lauded across the world, with its recent historic win as the first Australian company to win 'The Most Awarded Distillery of the Year' at the 2022 San Francisco Spirits Competition. Starward is available in Australia, the United States, the United Kingdom, Europe, Japan, New Zealand and select emerging markets.



LEADER IN LOW CARBON ECONOMY

WINNER

NCI PACKAGING

NCI Packaging is one of Australia's oldest privately-owned packaging companies founded in 1954 in Melbourne. NCI has evolved from a specialist manufacturer of metal cans to become a key product partner to many leading paint, food and aerosol brands, servicing many of the region's manufacturers with metal cans, metal and aluminium aerosols, and plastic packaging through its operations in Australia, New Zealand, Fiji and Papua New Guinea.

NCI employs more than 500 people across all its sites with 216 staff in Victoria. NCI's facility in Preston produces tinplate (industrial) cans and aerosol cans and its Tullamarine site specialises in plastic packaging for the industrial and food sectors. In 2018 NCI invested \$35 million in a state-of-the-art infant formula and food plant in New Zealand.

NCI's *Acting Now* environmental strategy includes energy reduction through state-of-the-art equipment, and the installation of 2000 kilowatt solar power at all NCI Australian sites.

With 65 years of manufacturing expertise, NCI is highly respected in the packaging industry.



FINALISTS

INTERPACK

Interpack is a family-owned business with a passion for the metal closure manufacturing industry. Interpack was among the first commercial manufacturers of screw caps in Australia during the 1970s. When the company was founded, the vision was to create a centre of excellence in metal packaging. Interpack has fulfilled this vision by investing in state-of-the-art equipment, employing a highly skilled team and implementing the highest certifications.

Interpack continues to make closures of excellence for leading brands. The company's investment in quality is evident in its facility and its people - a dedicated quality assurance team and on-site testing laboratory are all important aspects of Interpack's quality manufacturing process. Since 2015, Interpack has maintained the internationally recognised FSSC 22000 food safety certification, demonstrating Interpack's commitment to food safety.



SPEE3D

SPEE3D is an innovative Australian supplier of metal-based additive manufacturing technology.

SPEE3D focuses on the development, assembly, and distribution of machines and integrated system solutions based on the patented cold-spray technology. The products enable significantly faster, lower-cost and more scalable production than traditional metal printing techniques for copper, high-strength aluminium, stainless steels, nickel-based carbides, titanium and other materials.



20 YEARS

OUTSTANDING RESPONSIVENESS TO COVID-19

WINNER

PLANET INNOVATION

Planet Innovation (PI) is a product development and manufacturing company that exists to commercialise breakthrough products that transform industries and have a positive impact on the world. Established in 2009, PI has a unique service offering that stretches from early product concept design right through to manufacturing and support.

PI has its own internal division to locally manufacture regulated products. The PI manufacturing team has considerable experience managing ISO 13485:2016 compliant medical device contract manufacturing utilising lean principles. Additional to manufacturing instruments, PI has an ISO 7 certified cleanroom to support the manufacture of sterile consumables that are often associated with the biomedical industry.

PI's response to COVID-19 was to shift its focus to designing and manufacturing COVID-19 specific products that helped communities around the world avoid infection, detect infection, and survive infection. PI's partners include TOMI Environmental Solutions for surface sterilisation, Lumos Diagnostic for rapid testing, and NASA for lightweight, portable ventilators.



FINALISTS

THREAD GROUP AUSTRALIA

Thread Group Australia is a 100 per cent female Indigenous-owned, total apparel and PPE management company. Specialising in the design, manufacture and supply of corporate apparel, workwear and PPE, Thread Group Australia simplifies the complexity of uniform and PPE procurement, understanding the importance of delivering a quality product, on time and in full.

In response to COVID-19, Thread Group Australia supplied 1.5 million re-usable, non-medical, cloth masks in the community. Thread Group Australia has proven its volume performance, delivery capacity, exceptional quality and multi-faceted capability.

Socially, Thread Group Australia is committed to working with Indigenous supply chains and communities. Thread Group Australia is accredited with Supply Nation, Kinaway and Ethical Clothing Australia. Environmentally, Thread Group Australia looks for innovative sustainable solutions to further reduce footprint, partnering with clients to achieve environmental, social and governance targets.

Thread Group Australia.
Simplified uniform solutions

FOODMACH

Foodmach is Australia's largest advanced engineering-to-order and packaging systems integrator, offering turnkey packaging lines integrated for genuine Industry 4.0 connectivity in the Asia-Pacific region.

Since Foodmach's opening in 1972, most major local fast-moving consumer goods manufacturing operations have benefited from Foodmach's expertise. The company remains completely Australian-owned and operated.

Through continual R&D and improvement processes, Foodmach produces an award-winning range of equipment and services from its 5,500 square metre factory in Echuca, complemented by a range of innovative global brand agencies.

Foodmach's software and line control systems have transformed machine-to-machine interfacing and communication, enabling manufacturers to benefit from digitalisation without the expense of an all-new packaging line or the cyber security risk of mixing old and new machines.

In an early 2020 pivot, Foodmach successfully recreated Australia's only surgical mask machine IP by reverse engineering 40-year-old technology in 60 days.

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LEADER IN DIVERSITY AND INCLUSION

WINNER

ELASTOMERS AUSTRALIA

Elastomers Australia is an independent innovative Australian-owned company with more than 40 years' experience in providing the mining and mineral processing industries with specialised screening solutions.

Elastomers Australia is the number one mining screen media supplier in Australia, supplying goods and services to over 200 mine sites nationally. Elastomers Australia specialises in the design and manufacture of screen media products, with services for custom design, manufacture and locally warehoused product lines to support and deliver to customers' specific objectives and needs.

Elastomers Australia has local service, manufacturing and store facilities located in all major Australian mining regions, enabling quick response times to customers.

Elastomers Australia is committed to achieving its diversity and inclusion goals, with a focus on recruiting more Indigenous employees and women. The goals are supported by all-staff training, monthly internal committee meetings and initiatives, and monthly reporting. The company embeds diversity and inclusion performance goals in its contracts with clients, and works with recruitment companies that specialise in placing Indigenous candidates for roles.



FINALISTS

CARE ESSENTIALS

Care Essentials' innovative, high-quality products for the healthcare industry are manufactured and distributed from the company's 12,000 square meter state-of-the-art manufacturing facility in North Geelong. Care Essentials' mission is to improve patient outcomes, optimise healthcare workflows while reducing hospital costs.

Care Essentials specialises in supplying operating theatre and intensive care unit products, and its Cocoon range is the market leader in forced air warming, competing with the likes of 3M. Cocoon has approximately 70 per cent market share in Australia and is recognised in more than 65 countries. Care Essentials has a robust R&D team, quality assurance team, on-ground sales managers, clinical educators and a hands-on management team to ensure efficient supply of quality products and services.

Care Essentials won coveted state and federal Australian Exports Awards in 2019, 2020 and 2021. Care Essentials' extensive customer base includes the country's large public and private hospital groups and all Australian state governments.



REPURPOSE IT

Repurpose It is the industry leader in manufacturing premium quality repurposed materials to eliminate waste and pollution through closed loop resource recovery. This is done by connecting waste disposal to materials supply and in the process, diverting 500,000 tonnes of waste materials from landfill.

Repurpose It manufactures recovered resources from construction and demolition waste and contaminated soils from road and rail infrastructure projects into materials for road, freeway and ramp construction. Repurpose It's food and garden organics processing facility manufactures organic waste into electricity and premium quality soil for local supply chains.

Repurpose It invests in world leading best practice technologies like its Australian-first wash plant to clean, sort, crush and blend recovered materials for manufacture. This is reducing CO2 emissions and saving more than 84,000 tonnes of CO2 every year.

Waste management and resource recovery are high-risk operations. Repurpose It aims to not only protect the environment but also its people and surrounding communities.



EVENT PARTNERS



