

Tyretalk

A NEWSLETTER FROM TYRECYCLE

**Tyrecycle cleans up
abandoned tyres.**

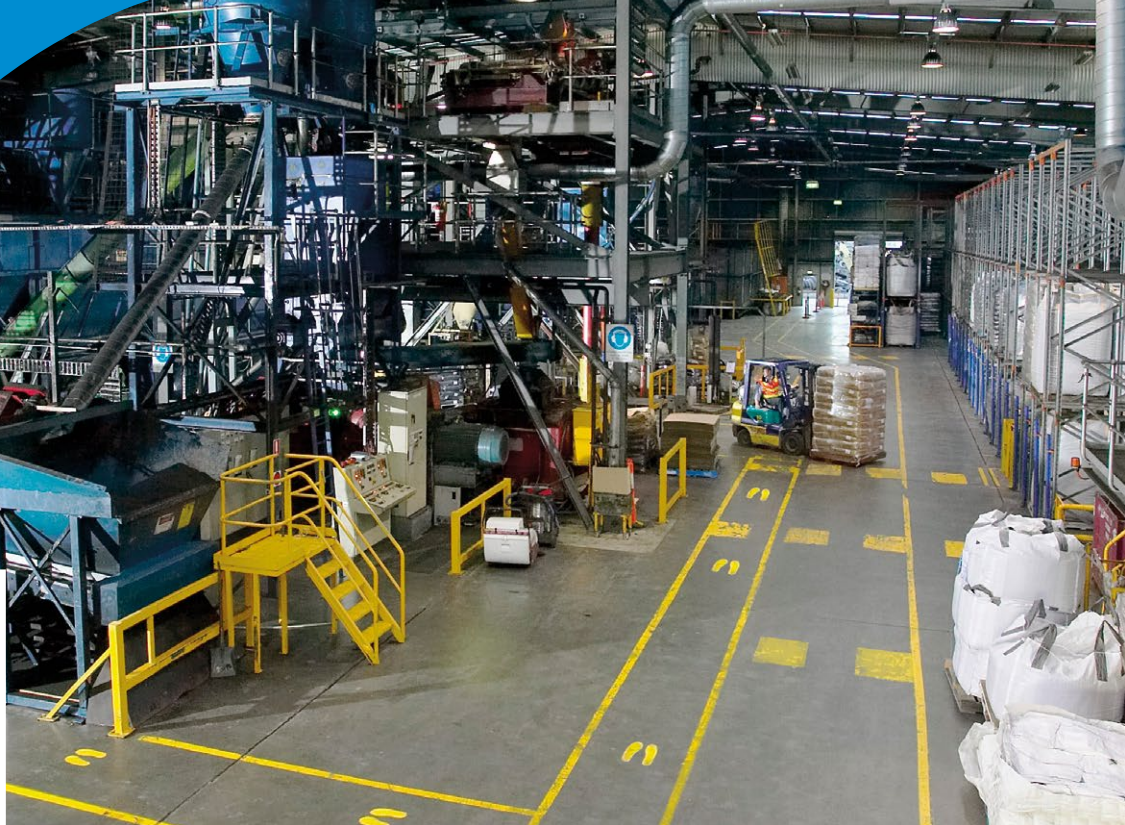
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to tyre recycling.**

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MESSAGE FROM THE CEO

The tyre recycling sector has just been through the toughest economic period in its relatively short but dynamic history; plummeting energy prices, the closure of several overseas TDF markets and a falling Australian dollar decimated the national TDF market. But rather than deter us, this recent industry crisis has only strengthened our resolve to develop domestic markets for tyre-derived products and reduce our reliance on volatile global TDF markets.

I'd like to take the opportunity to thank our loyal customers for their understanding and commitment through this challenging period. We remain committed to continuing to provide you with the premier service at a cost-effective price.

Please see inside for exciting news about many of our customers, not the least of which is the celebration of our decade-long association with Bob Jane.

In this edition, in line with the development of the domestic market, Tyrecycle is proud to announce a further commitment to our industry, with our membership of Tyre Stewardship Australia. This scheme is government-endorsed and has a goal of increasing the recycling of end-of-life tyres to 50% within five years. We look forward to achieving this in partnership with our valued clients.

Also inside, please take time to read about our investment in a new purpose-designed and built mobile shredder, which means we can now come to wherever your tyre stockpile is located.

I hope you enjoy our newsletter.

Jim Fairweather
CEO

Fast Facts

51 million

EPU's WORTH OF RUBBER
REACH THE END OF ITS LIFE
EACH YEAR IN AUSTRALIA.



Tyrecycle cleans up abandoned tyres

Tyrecycle has cleaned up after an unscrupulous operator abandoned more than 3,500 tonnes of tyres at a site near Brisbane airport.

The site had been leased by an unlicensed operator purporting to offer recycling services.

“Instead they took peoples money, dumped the tyres, then took off,” said Tyrecycle’s National Accounts Manager, Matt McInerney.

The tyres were a mixture of passenger, AWD, light truck, truck and earthmover tyres.

“Not only was it unsightly, but it was a high risk stockpile, due to the proximity of the Brisbane Domestic and International Airports. A fire would have caused significant disruption to air traffic,” he said.

The site also backed onto a sensitive mangrove reserve that would have been affected by waste water contamination had any fires occurred in the large stockpiles.

Additionally, the Brisbane City Council were spraying the stockpiles as an interim measure to try and prevent further outbreaks of Ross River virus in the region.

This was a stop gap until proper processing could occur to remove the hazard.

Using an excavator and a fleet of semi-tippers, Tyrecycle transported the tyres to its Brisbane recycling facility, which is EPA licensed.

The tyres which were once an unsightly fire risk have now been processed into alternative fuel for energy recovery, used to power high energy kilns.

The job took three weeks and is an excellent example of how Tyrecycle makes proper use of unwanted, surplus tyres. No job is too large or too small.

TYRECYCLE PROCESSES
12 million
EPUs

TYRECYCLE IS THE LARGEST COLLECTOR
AND PROCESSOR OF END-OF-LIFE TYRES
IN AUSTRALIA.





Tyrecycle proud member of Tyre Stewardship Australia

Tyrecycle has become a member of a government endorsed industry framework to reduce the environmental, health and safety impacts of end-of-life tyres (ELTs) in Australia.

The objectives of the Tyre Stewardship Scheme (TSS) are to increase resource recovery and recycling, as well as minimise the environmental, health and safety impacts of ELTs generated in Australia, and develop Australia's tyre recycling industry and markets for tyre derived products.

"As the leading national recycler, Tyrecycle is excited to be involved in delivering greater knowledge, understanding and take-up of tyre recycling," said Tyrecycle CEO Jim Fairweather.

"DEVELOPING A UNIFORM APPROACH TO ELIMINATING THE DEVASTATING EFFECTS OF ELTS ON OUR ENVIRONMENT AND COMMUNITY IS IMPORTANT"

"Developing a uniform approach to eliminating the devastating effects of ELTs on our environment and community is important, in line with the Tyre Stewardship Australia set target of increasing recycling to 50% in five years," he said.

Whilst still in the growth phase, the Tyre Stewardship Scheme has already secured the support of leading importers, retailers, recyclers and industry groups including Bridgestone, Continental, Goodyear Dunlop, Michelin, Pirelli, Toyo Tires, Tyre Power, Yokohama and the Australian Motor Industry Federation.

According to Tyre Stewardship Australia (TSA) CEO, Matt Genever: "Tyre Stewardship Australia welcomes Tyrecycle as an accredited participant under the Tyre Stewardship Scheme. Tyrecycle's market footprint adds considerably to the growing momentum for all industry players to be part of this concerted and cooperative endeavour. Through participation all along the supply chain, from manufacturers to retailers to collectors and recyclers, the knowledge gained and actions taken will result in significantly improved environmental outcomes."

The Australian Tyre Recyclers Association (ATRA) has also recommended its members join, whom account for over 60% of the recyclers market.

In April 2015, the Australian Competition and Consumer Commission (ACCC) granted authorisation to the Tyre Stewardship Scheme, citing that it was satisfied that the public benefit outweighs any public detriment.

“The ACCC is satisfied that the Scheme is likely to result in a benefit to the public by reducing the volume of used tyres entering the domestic waste stream or being exported overseas,” said ACCC Deputy Chair, Dr Michael Schaper.

The ACCC also considered there was public benefit in TSA’s proposal to fund research and development as well as educational activities. They cited it is likely to contribute to the environmentally sound disposal of ELTs through assisting industry in recognising the commercial value of ELTs and the identification of potential markets for tyre derived products.

The TSS aims to achieve its objectives through participation at all levels of the tyre supply chain and with the support of government.

Tyre Stewardship Australia is a non-profit company with an independent chairperson and six other directors appointed by stakeholder bodies. Its role is to implement the TSS, administer participant accreditation, audit and report on the scheme, undertake education, awareness and information activities, and support market development and early stage research in the field of ELT utilisation for the benefit of the industry.

A research fund will undertake early-stage through to proof-of-concept research and development for the utilisation of ELTs. The objectives of the fund are to:

- Advance innovative technologies by supporting collaborative research in priority technologies;
- Retain Australian expertise and attract further expertise in technologies related to ELTs;
- Support the growth of skills and capacity in Australia in technologies related to ELTs for the domestic and international markets; and
- Share the results of that research with the wider industry as appropriate.



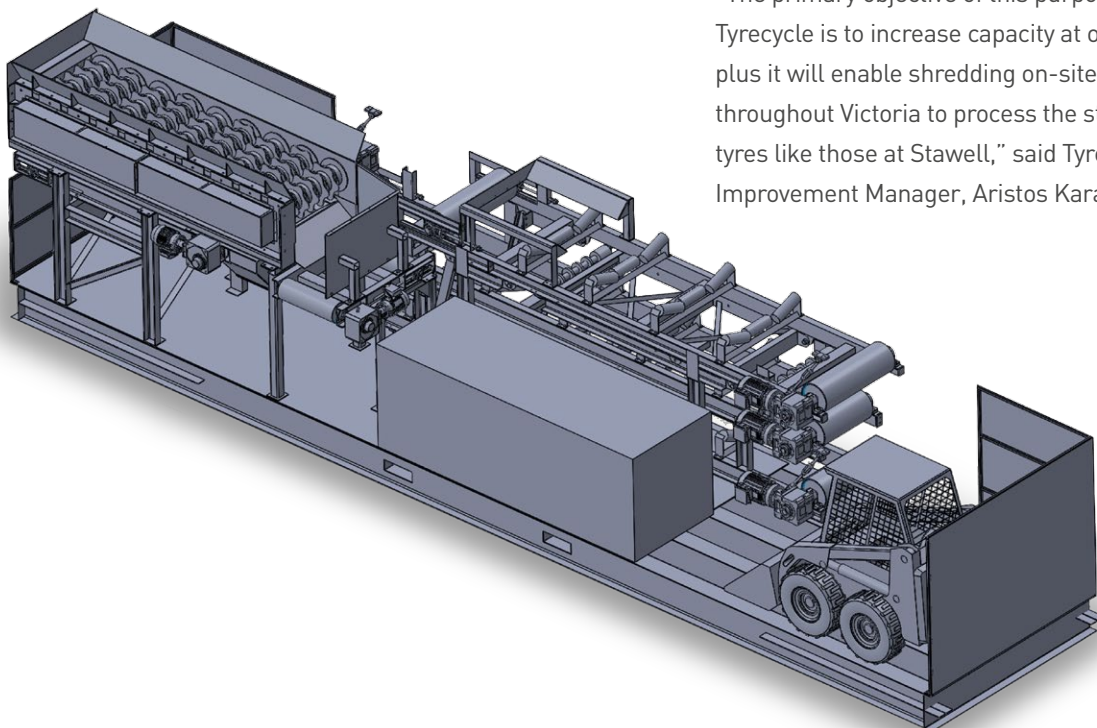


Mobile shredder added to the Tyrecycle recycling arsenal

In an Australian first, a specially designed and built mobile shredder will soon play an important role in the recycling of used tyres.

The shredder, which is one of only a handful in the world, is a jointly funded venture between Tyrecycle and Sustainability Victoria.

“The primary objective of this purpose-built shredder for Tyrecycle is to increase capacity at our Somerton plant, plus it will enable shredding on-site at a range of locations throughout Victoria to process the stockpiled legacy tyres like those at Stawell,” said Tyrecycle’s Business Improvement Manager, Aristos Karavias.



**“IT WILL BE ABLE TO WORK
ANYWHERE - IN THE CITY AND IN
REGIONAL AND REMOTE LOCATIONS”**

“It has been designed to meet the needs of councils and end users or collectors of tyres and conveyor belt stockpiles around Australia, particularly in remote locations.

“We are extremely proud of it as we designed, built and project managed it with our parent company ResourceCo’s in-house Engineering division,” said Mr Karavias.

The plant satisfies the provisions set out in the National Transport Code and will adhere to the vehicle assessment signatory scheme.

The mobile plant designed on two flat rack containers, 1x 20ft and 1x 40ft, can conveniently be transported by a B-Double truck to site. It is assembled in situ and can process passenger, light truck, truck tyres and conveyor belting at 10T/hr producing a nominal 6” rubber chip.

The total system setup is made up of one shredder, one classifier, one generator, six conveyors and a bobcat.

The 20ft container consists of a 14 tonne Barclay shredder for initial sizing that feeds onto the 40ft container consisting of a 4 tonne screen which classifies the 6” rubber chip.

“We were pleased to be able to use second-hand containers, strengthen and paint them to re-purpose the units for a second life, that’s good for the environment too.”

“The electrical components have been designed and laid out so that the system is as simple as plug and play,” said Mr Karavias.

Mr Karavias said the diesel generator has the capacity to run the plant for 24 hours on 1 tank (620L) of diesel and can run smoothly at ambient temperatures of up to 45 degrees celsius, enabling this plant to work across Victoria and Australia.

Supported by:



Bob Jane T-Marts celebrate a decade-long commitment to tyre recycling

The partnership between Australia's largest independent tyre retailer Bob Jane T-Marts and Australia's largest tyre recycler, Tyrecycle, reached a significant milestone in June 2015.

For 10 years Tyrecycle has been collecting, processing and recycling Bob Jane T-Marts' tyres – that's 10 years of significant benefit to the environment and the community.

"Over the 10 year period Bob Jane T-Marts has recycled over 110,000 tonnes of rubber. That equates to filling nearly 450 Olympic sized swimming pools, diverting this valuable waste from landfill into new usable products," said Tyrecycle CEO Jim Fairweather.

"When Bob Jane T-Marts started with Tyrecycle with a few stores in 2005 they were recycling about 100 tonnes a year, that has grown each year since and now they are recycling more than 23,000 tonnes each year, and still growing," he said.





Left to right: Matt McInerney, Tyrecycle National Accounts Manager and David Randello, Bob Jane Epping Store Manager marking the anniversary with a handshake.

“WE SERVICE AS FAR NORTH AS DARWIN IN THE NORTHERN TERRITORY TO KARRATHA IN THE WEST, DOWN TO HOBART IN THE SOUTH AND THE GOLD COAST IN THE EAST”

Each of the 136 Bob Jane T-Marts’ stores across Australia are committed to the national agreement to recycle tyres through Tyrecycle.

“The Bob Jane T-Marts stores are to be commended for their continued commitment to recycling and the appropriate handling of one of our most problematic waste streams” said Mr Fairweather.

The relationship between Bob Jane T-Marts and Tyrecycle began in response to a corporate desire to provide a solution which would see the reuse of the valuable resources that go into making tyres.

“We started out with only a few stores participating in the Tyrecycle program, but this quickly grew and by 2012, 100 per cent of our stores had become involved,” said Bob Jane T-Marts CEO, Rodney Jane.

“Bob Jane T-Marts is committed to the responsible recycling of tyres and ensuring the correct disposal of all of our customers’ old tyres,” he said.

“We want to see the responsible disposal of tyres which have reached the end of their life on the road; our partnership with Tyrecycle ensures ‘full chain of custody’ recycling of these valuable resources into a new life,” said Mr Jane.

Tyrecycle collects from metropolitan Bob Jane T-Marts up to three times each week, and up to four times per month from regional and remote locations.

“We service as far north as Darwin in the Northern Territory to Karratha in the west, down to Hobart in the south and the Gold Coast in the east,” said Tyrecycle National Accounts Manager, Matt McInerney.

“It is great to see this strong relationship continue and we look forward to growing the number of recycling services from Tyrecycle to Bob Jane T-Marts and their customers,” he said.

Tyrecycle is the largest supplier of recycled rubber which sees the recovered resources of old tyres gaining a new life in useful and innovative products. Among some of the applications for these recycled tyres are roads, adhesives, brake pads, children’s playgrounds, athletics tracks and civil engineering applications and as a Tyre Derived Fuel (TDF) for energy recovery.

Tyrecycle is committed to discovering new applications for scrap tyres in the quest to decrease the number of tyres entering waste streams and landfill.

Synthetic sporting surfaces are more than meets the eye



Next time you are with the kids at a synthetic tennis court, hockey or soccer pitch or even a playground take a closer look at what's under foot.

What you are standing on most likely is the result of years of brilliant ideas, design and manufacture – not to mention recycling.

Grassports Australia, who started in the early 1960s, is one of the leading suppliers of synthetic sport surfaces in Australia. It is also one of the most environmentally sound companies, as it makes its products from recycled tyres, supplied by Tyrecycle.

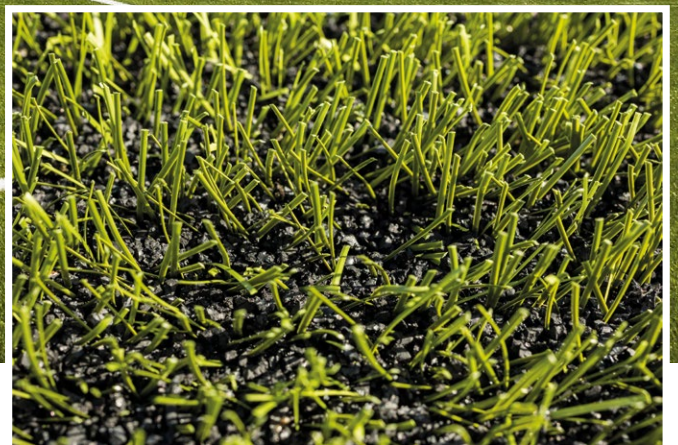
"We are a key supplier to Grassports. Our rubber products are produced from 100% recycled truck tyres which have negligible fibre content, enabling the product to flow readily through feed systems and eliminates downtime from bridging and blockages," said Tyrecycle's Product Manager Adrian Jones.

Tyrecycle rubber products are produced through up to four stages of magnetic separation to ensure it has negligible steel content. This enables the use of these products in applications for children such as playgrounds and multi-purpose sporting fields.

"Our granule product ranges from 2mm to 15mm and Tyrecycle's buffing products come in 4, 12 or 16 mesh grades."

It is used in both synthetic grass and natural turf infill, athletics tracks, playground surfacing, equestrian surfaces, and playground impact absorption bases.

**"OUR GRANULE PRODUCT
RANGES FROM 2MM TO 15MM AND
TYRECYCLE'S BUFFING PRODUCTS
COME IN 4, 12 OR 16 MESH GRADES."**



Using recycled rubber in natural turf has many benefits including:

- Use in high traffic areas to maintain grass.
- Reduced root compaction.
- Improves aeration of the soil for growth.
- Increases temperature of soil in cooler climates, reducing die back and increasing growth.

Grassports Australia's Senior Project Estimator and Administrator, Cameron Harris said the product is very versatile and allows Grassports to customise jobs to suit the clients' exact needs.

"A soccer field constructed at Jack Edwards Reserve at Oakleigh was certified to FIFA's 1 star rating for community use," said Mr Harris.

"We've also installed about 200 square metres of new artificial grass surface to the boundary line of the AFL ground at Ballarat. All these projects incorporated Tyrecycle recycled granules."

"We are thrilled to be able to use a product which is environmentally friendly," said Mr Harris.

Next time you are on synthetic turf, remember not only are you doing something good for your health, it's also great for the environment.



Get in touch

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You can have confidence that these retailers are recycling properly because they use Tyrecycle.

BEAUREPAIRES (NSW)

BOB JANE

BRIDGESTONE

JAX QUICKFIT

KMART TYRE & AUTO

SUMMIT GROUP (incorporating Ian Diffen and City Discount Tyres)



www.tyrecycle.com.au

