

New beginnings for old tyres

THE TYRECYCLE STORY



Tyrecycle



Tyrecycle



About us

Tyrecycle started in 1992 as a division of a major tyre manufacturer. Today, we are part of the highly regarded integrated resource recovery group, ResourceCo. As Australia's leading recycler for all types of tyres, we turn scrap tyres into alternate fuel and rubber crumb for use in innovative products.

A TRUSTED PARTNER IN THE SAFE AND SUSTAINABLE REMOVAL OF YOUR TYRES.

As the market leader in the tyre recycling industry we have a national network of collection and processing capabilities, including Australia's largest crumbing plant at our Head Office in Somerton, Melbourne. Tyrecycle's manufacturing infrastructure is second to none in the Australian market with:

- three times the capacity for production of rubber crumb versus our nearest rival.
- a processing plant in each mainland state of Australia.
- national quality certification AS 4801: Occupational Health & Safety.

At Tyrecycle, we believe that everyone needs to be smarter about how they use the Earth's limited resources. We're proud to contribute with a crumb and granule process that put us at the forefront of tyre recycling and re-use of rubber products.

OUR VISION IS:

TO BE THE MARKET LEADER WITHIN THE AUSTRALIAN TYRE RECYCLING INDUSTRY BY PROVIDING SUPERIOR SERVICE IN AN EFFICIENT, ENVIRONMENTALLY SOUND, SAFE AND SOCIALLY RESPONSIBLE MANNER

recovers 85%

OF THE RUBBER
USED TO MAKE
A NEW TYRE

recovers 95%

OF THE STEEL
USED TO MAKE
A NEW TYRE

**offsets
<60%**

OF THE GREENHOUSE
GASES EMITTED TO
MAKE NEW TYRES

Why it's so important

It is estimated that 56 million Equivalent Passenger Units (EPUs) come to the end of their life in Australia each year. Approximately 17.5 million EPUs are processed by Tyrecycle.

Those that aren't recycled create:

- a major fire hazard – 80% of all waste tyres are handled in ways that create an extreme fire risk.
- the serious risk of spreading Dengue Fever in Australia and Asia – 15 million tyres p.a. are potential mosquito incubators.
- a major risk of toxic pollution by introducing over 2,600 tonnes of dangerous chemicals and heavy metals into the environment every year.

If we recycled the 56 million p.a. tyres wasted, Australia would save around 1.69Mt of CO₂-e.

And where you'll find us

Tyrecycle collects and processes in every state of Australia.

We have the largest collection fleet in the country, servicing metropolitan, regional and remote areas. Whether it's wheel weights and batteries, forklift tyres or Off The Road (OTR) earthmover tyres; if it needs collecting and recycling we'll be there.

Tyrecycle employs best practice policies and processes in the industry to provide efficient and flexible collection services in the safest possible manner, and we're an accredited Australian Tyre Recycler Association (ATRA) member.

Tyrecycle is also a member of a government endorsed industry framework called the Tyre Stewardship Scheme, which has set a target of 50% of old tyres being recycled within five years. The scheme, managed by Tyre Stewardship Australia, has also secured the support of leading tyre importers, retailers and industry groups.

**EVEN THE SMALLEST NUMBER
OF DUMPED TYRES CAN TRAP WATER
AND BECOME A DANGEROUS
BREEDING GROUND FOR MOSQUITOES
THAT TRANSPORT DISEASE**



The Rubber Recycling Process (ZERO to landfill)

● TDF PRODUCTION

● CRUMB AND GRANULE PRODUCTION

COLLECTION AND SORTING

1



SHEAR OR SHREDDING FOR SIZE REDUCTION

2



FEEDSTOCK

3



SHRED ENTERS RASPER TO LIBERATE STEEL

4



TDF BENEFICIALLY RE-USED TO REDUCE FOSSIL FUEL CONSUMPTION

4



STEEL IS REMOVED FROM THE RUBBER

5



TDF SHIPPED TO ALTERNATIVE FUEL END USERS

5



ENTERS THE GRINDING MILLS FOR SIZING

6



END PRODUCTS OF RUBBER CRUMB AND GRANULES

7



EVERYTHING HAS A USE.

What we make from old tyres

Tyrecycle is Australia's largest supplier of recycled rubber to the Construction, Manufacturing and Automotive industries. Tyrecycle products are often used to replace, enhance or extend the quality of the base virgin materials. Our contribution to the environment is a crumb and granule process that serves many markets. Products created from the recycled rubber include:



ATHLETICS TRACKS



BRAKE PADS



BUILDING INSULATION



CIVIL ENGINEERING



FUEL FOR ENERGY RECOVERY



MATTING SURFACES



MARINE NON-SLIP SURFACES



NEW TYRE MANUFACTURE



PLAYGROUND SURFACES



ROAD SURFACES



SPORTING SURFACES



TILE ADHESIVES

Our goal is Zero Waste to landfill

Tyrecycle processes over 120,000 tonnes of waste tyres, OTR tyres and conveyor belts annually.

Using a lean manufacturing methodology we prioritise waste reduction; we track all waste data, and continuously seek best practice to improve efficiency while meeting regulatory requirements.

CHAIN OF CUSTODY

We even control the end of life of our products, to ensure the full chain of custody in our recycling processes. With strict documentation and process controls, Tyrecycle is able to supply reports supporting the end destinations of its products, be they rubber crumb or TDF.



Tyrecycle continues to work with government and industry to increase awareness of the importance of tyre recycling and the promise of associated product development.

Get in touch

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