

ENVIRONMENT GOALS



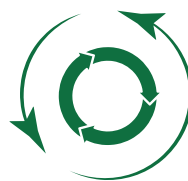
4R'S OF SUSTAINABLE CHANGE IN ROTATIONAL MOULDING



Recycling



Reducing Loss



Reuse



Relationships

ROTATIONALLY MOULDED PRODUCTS ARE RECYCLABLE, MULTI-USE
AND A LONG LASTING RESOURCE.

The ARMA Environment Group is working hard to expand the opportunities for rotomoulders to produce products using recycled materials. Currently, most of the products made by our industry are already recyclable and research is being implemented on how to develop products using the waste of other processes. As well as this, they are setting goals around changing the way we impact our environment.



RECYCLING



The materials used in rotational moulding are widely recycled using technology available around the world. More and more products are being developed to put recycled rotational moulding material back into rotationally moulded products such as water systems, bunding, pallets, cattle troughs, and other applications.

ARMA HAS SET A GOAL FOR THE ROTATIONAL MOULDING INDUSTRY IN AUSTRALIA & NEW ZEALAND TO BE USING 3600T OF RECYCLED MATERIAL BY 2025!

The recycling process involves factory scrap, or products which have been in the environment that may or may not have broken down, being cut up into manageable pieces which are ground down into even smaller pieces. These pieces are then melted, and new UV stabilizers or other chemicals and colorants are added. The material is then pelletized for use in blow moulding, film making or injection moulding, or ground into the fine powder required for rotational moulding.

Using recycled resin is both environmentally and economically responsible and ARMA is already working with the industry and government on expanding the use of recycled materials in rotational moulding, using not only our own recyclable products but also those from other processes.

We have also developed a recycling logo that is starting to be used on industry websites, promotional material, and products. This highlights the difference of our long last lasting, recyclable products so that rotomoulding is a recognised process that provides useful plastics within our world.

REDUCING PELLET & POWDER LOSS

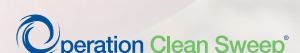


One of the initiatives of the ARMA Environment Group is in conjunction with the Tangaroa Blue Foundation to work towards zero pellet loss for the entire industry. We are starting with Australia, New Zealand and the Pacific spreading the word about the importance of doing our part to help save our waterways.

THE GOAL IS FOR 100% OF ARMA MEMBERS & SUPPORTERS TO BE OPERATION CLEAN SWEEP PARTNERS BY 2023 ENSURING ZERO PELLET & POWDER LOSS!

The Plastics Industry Association (PLASTICS) introduced the Operation Clean Sweep® program to the USA in 1992. Since then, it has also been successfully implemented in over 22 jurisdictions including Europe, New Zealand, and Canada. The message is simple: Resin pellets, powders and swarf should be contained, reclaimed and/or disposed of properly.

Operation Clean Sweep® aligns with the United Nations Sustainable Development Goals. The Sustainable Development Goals are a call for action by all countries – poor, rich, and middle-income – to promote prosperity while protecting the planet. They recognise that ending poverty must go hand-in-hand with strategies that build economic growth and address a range of social needs including education, health, social protection, and job opportunities, while tackling climate change and environmental protection.



REUSE - CLOSING THE CIRCLE



Plastics are constantly being adapted to meet society's needs. These innovations in products systems and technologies help contribute to a more sustainable world. Plastics make an immense contribution to environmental sustainability through their energy saving potential and intrinsic recyclability and energy recovery options.

Economically, plastics form an important part of the economy and are a major export product. Socially the plastics industry is a major and inclusive employer with an attention to training and education.

ARMA is currently working with the industry to collate a range of documents and videos that educate the public on how we recycle, where they can recycle their end-of-life products and how they can prepare them for recycling.

We are also working with manufacturers to ensure they are ready to accept these items and make them into new products.

RELATIONSHIPS



ARMA and its Environment Group already have excellent sustained relationships with the manufacturers in rotational moulding and with the suppliers that provide the materials, machines & tooling. We are also working to cement ongoing relationships with government departments in both Australia and New Zealand such as Sustainability Victoria and the Climate Change Commission NZ. We also form part of the Plastic Sector Leaders group that is looking at enabling design for environmental good.

