



## Your partner in waste recovery and recycling projects

MECBIO Pty Ltd. is a full-service provider for the recovery of Organic waste, C&D waste, and plastics recycling. We design, build, and service state-of-the-art mechanical and biological waste recovery facilities to convert wastes into new streams of use for our clients. We also provide a wide range of world class sorting and processing lines as well as specialist recycling equipment.

### CORE COMPETENCIES

Our developed, sustainable, and innovative technologies cover a complete range. We can design and build complete turn-key facilities including one or more of the following categories:

- Mechanical Pre-treatment and Post-treatment
- Recycling Equipment Supply and Maintenance
- Anaerobic digestion / Biogas Production
- In-vessel composting / Bio-drying
- Air treatment and Odour Control Systems

### OUR TECHNOLOGIES

We partner with some of the world's leading suppliers for waste and recycling solutions to assist Australian entities to transition to the Circular Economy. We deliver high duty, robust machines for processing and treatment of wastes either as a facility or standalone items.

- Waste shredders and screens, rendering equipment, and autoclaves
- Pelletising lines
- Waste processors
- Food waste separators or depackaging machines

### OUR ADVANTAGES

#### Technological expertise

Highly skilled technical and engineering workforce with extensive know-how and years of experience in waste recycling.

#### One-stop, customized solution

Plan, control, and manage entire project and operation cycles to prevent costly duplications and suboptimal technological solutions. We aim to deliver high reliability and maximize operational expenditures for our clients.

#### Guaranteed after sales support system

We are committed to a responsive collaboration to provide complete services from commencement to conclusion and ongoing support.

### Our Clients

- Repurpose It
- Western Composting Technologies
- SACYR Environment Australia
- Soilco Pty Ltd.
- City of Newcastle

### Our Partners



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World-leading technology combined with local and global experience.

**MECBIO**  
Helping Australia transition to the Circular Economy.

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### **RAPTOR** **Monorotor Waste Shredder**

A stationary, slow speed, mono-rotor shredder with electric power pack. Suitable for the shredding of household waste and biodegradable waste streams.



### **DINOSAUR** **Double-Rotor Waste Shredder**

A stationary, slow speed, double-rotor shredder with electric power pack. Suitable for the shredding and conditioning of all kinds of solid waste: industrial waste, bulky household waste, construction and demolition waste, green or organic waste, wood, etc.



### **TRIPLEX** **Triple-Rotor Waste Shredder**

A stationary, slow speed triple-rotor shredder with hydraulic drive. Suitable for the shredding of domestic waste, industrial waste, bulky waste including mattresses and carpets, construction and demolition waste, organic waste, wood, green waste, stumps and roots, bales, electrical and electronic appliances, etc.



### **SCREENS** **Stationary Roller Waste Screens**

Stationary roller screens for the removal of fractions finer than 50-150mm (ECODISC) and of oversized, coarse objects (SCALPEL) to avoid clogging in the subsequent treatment process.

## **WHAT WE SERVE**

**Waste Shredders** - For the disintegration of wastes to smaller size

**Waste Rendering** - For the treatment of animal by-products

**Waste Screens** - For sorting wastes of various sizes

**Autoclaves** - For optimisation of material properties by means of pressure and/or temperature

## **WHY CHOOSE US**

**RENTEC** is a global leading manufacturer of high duty, robust machines for waste processing and rendering applications. As the exclusive distributor of RENTEC in Australasia, **MECBIO** can supply, install, and maintain state-of-the-art machineries for optimum results.