



MECBIO

MECHANICAL & BIOLOGICAL TREATMENT

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 or Biogas Production
- In-vessel composting or 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



www.mecbio.com.au

T +61 0456 374 318

E info@mecbio.com.au

Business Registration
ABN: 58 624 154 436
ACN: 624 154 436

World-leading technology combined with local and global experience.

MECBIO

helping Australia transition to the Circular Economy.

www.mecbio.com.au

www.ecomadengineering.com

T +61 (0) 456 374 318

E info@mecbio.com.au

ecomade
ENGINEERING



WASTE SEPARATOR

Ecomade patented separator technology provides the perfect separation method for difficult to screen materials in processing fractions from collected wastes. Ecomade SO990 is built with a robust steel structure and fitted with inspection doors to separate the contaminants (mainly plastics and metals) present in the organic flows to create a clean organic stream. Available in two models (SO990 U and SO990 S).



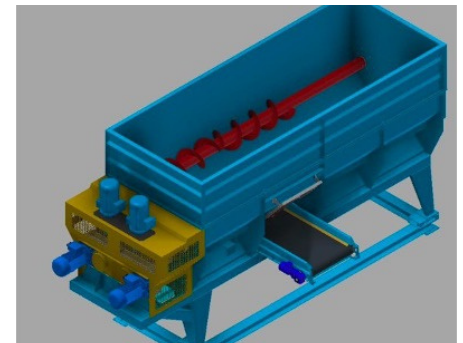
WASTE PRESSING MACHINES

Designed to press organic waste materials by which the liquid obtained by pressing the waste flows out towards collection points and is decanted into pre-established areas for subsequent processing. One special feature of the machine is the option of processing the product several times over, guaranteeing higher pressed liquid yields. Available in two models (CS490 and Cobra 490).



WASTE SHREDDER

Ecomade's slow-speed shredders (45 – 160 kW) use a high torque to reliably pre-shred wastes especially Organic Fraction of Municipal Solid Waste (OFMSW). Available in two models (SU1000 X and SU1000 A).



MIXING STATION

Designed to receive the product (organic waste or digestate from fermentation and shredded green waste) and mix it, making it homogeneous through the rotation of the internal propellers.

BENEFITS

- Patented machines
- Low-wear technology for maximum process reliability
- Robust machine construction
- Low energy consumption and minimum operating costs

WHY CHOOSE US

Ecomade Engineering specializes in the design, development, and implementation of machines and systems for processing waste and is backed by its Research and Development operations. As the exclusive distributor of Ecomade in Australasia, **MECBIO** can supply, install, and maintain state-of-the-art machineries as a facility or as standalone items.