

AROUND
90%

Putrescible Organics
Extraction from MSW



OREX™

Organics Extrusion Press

KEY BENEFITS

- Maximizes Recovery of Wet Organics from Municipal Solid Waste
- Lowest Cost Organics Diversion from Landfill: No Source Separation Required
- Feedstock Versatility: Handles a Variety of Waste Streams
- Recovered Organics Can Be Converted to Renewable Energy and Fertilizer Using Anaerobic Digestion
- Effective Extraction Leads to Smooth Operation and Low Maintenance Costs for the Digesters
- Easy Integration into Existing Facilities
- Increases Calorific Value of Reject Fraction



OREX™ installation in California, USA



ANAERGIA SOLUTION

Anaergia's Organics Extrusion Press (OREX™) reliably and efficiently separates solid waste streams into wet organic and dry fractions, driving significant value through both resource recovery and diversion. While diverting waste from landfills, the OREX™ recovers over 90% of putrescible organics from mixed waste streams.

Organics Extraction & Recovery: OREX™ generates a clean and highly digestible organic fraction ideal for conversion to biogas and fertilizer.

Residuals Diversion: Anaergia facilities maximize recovery of plastics, paper, and metal while transforming the non-degradable and non-recyclable rejects coming out of OREX™ into a dense Refuse Derived Fuel (RDF) with increased calorific value and lower moisture content.



APPLICATIONS

- Mechanical Biological Treatment for Mixed Municipal Solid Waste (MSW) – Extract Organics and recover recyclables while producing clean energy, fertilizers, and Refuse Derived Fuel (RDF).
- Pretreatment (Removal of contamination) from different Organic Feedstocks in preparation for Anaerobic Digestion (AD)
- Flexible to effectively process a large variety of waste streams like: Highly contaminated MSW, food waste, Kitchen & Catering waste, SSO, FOGO (Food & Garden Waste), Wet Commercial Waste, etc.
- Modular and compact design enables integration into existing or new waste management facilities or transfer stations.

OREX™ Achieves: Organics Extraction | Landfill Diversion | Resource Recovery



Incoming SSO

Incoming MSW



Putrescible Organics

Rejects

Quality Products from Waste

- Biogas
- Renewable Energy
- Compost
- Recyclables
- High Quality RDF