

AROUND  
**90%**

Putrescible Organics  
Extraction from MSW



# OREX<sup>TM</sup>

## 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
- Generates a High Value Clean Wet Fraction Suitable for Anaerobic Digestion
- Increases Calorific Value of Reject Fraction
- Effective Extraction Leads to Smooth Operation and Low Maintenance Costs for the Digesters
- Easy Integration into Existing Facilities





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 wet 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



**Anaergia**

Breaking Barriers to Sustainability

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