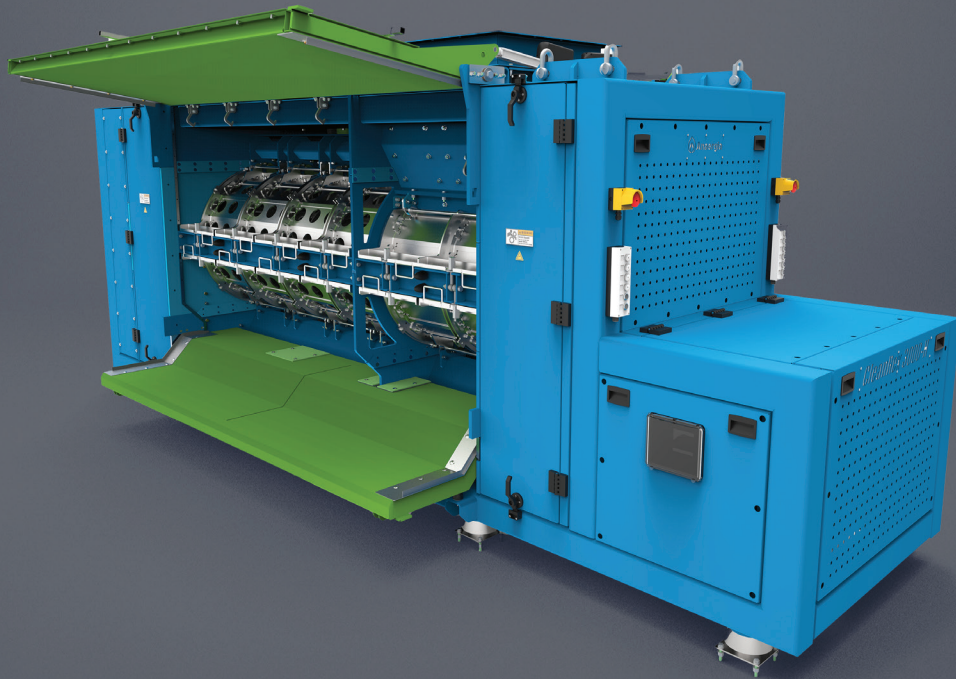# Cleanrex 3000H®

Rotating Hammer Separation Technology

Key Benefits

→ **High uptime**
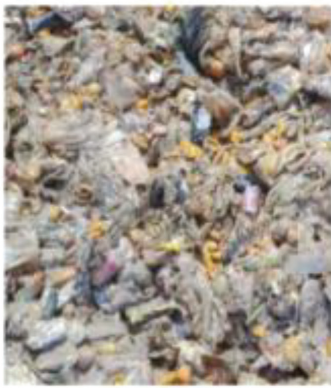
→ Low Opex due to smart part design

→ Cost effective solution for organic separation

→ High performance to cost ratio

→ Rejects material consisting of 90% plastics

→ Organic material consisting of less than 2% inorganic material
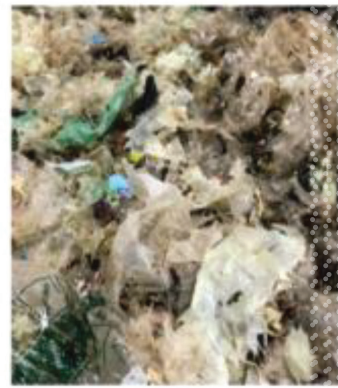
→ Reduction of cleaning time due to machine self-cleaning feature

INCOMING SSO

WET FRACTION

REJECTS

Anaergia Solution

Anaergia's **CleanREX 3000-H** separates inorganic materials such as plastic, paper, metals, glass, stones and other inorganic materials from the waste stream. The CleanREX 3000-H uses novel technology to split the waste stream into reject and organic fractions. An internal fast spinning rotor with specially designed hammers splits and smashes the raw waste material against the screens. The hammers increase operational capacity while effectively extracting valuable organic material from the waste stream. A series of water nozzles mounted in the inlet and to the casing surrounding the screen provide necessary dilution and/or cleaning water to the inbound waste material and clean any buildup of material off the screens.

Applications

- Polishing of contaminated organic waste like SSO/FORSU and lightly contaminated MSW

- Removal of packaging and film plastics from food waste

- De-packing supermarket waste

TECHNICAL		UNIT	3000-75	3000-90	3000-110
Motor power	P	kW (Hp)	75 (100)	90 (120)	110 (148)
Net energy consumption	P_n	kWh/ton	Range 4 - 7 average 5		
Weight	m	ton	10.5	10.6	10.7
Throughput (up to)	C	t/h	10	13	16
Density input material	p	kg/m^3	Range 500 - 750 average 600 (at 30% TS and 15% contamination)		
machine lenght	L	mm (inch)	5815 (229)		
Machine width	W	mm (inch)	1720 (67)		
Machine height	H	mm (inch)	2338 (92)		
Screen lenght	W1	mm (inch)	3000 (118)		
Screen surface	A	m^2	5,3 up tp 6,6		
Screen sizes	D	mm	8 / 10 / 12 / 16 / 20 / 25 / 30		
MCC panel		mm	1200 x 500 x 2000 (W x D x H)		
Drive			VFD controlled 6 pole e-motor with V-belt power trasmission		