



Metal separation
Magnets and Eddy currents target ferrous and non-ferrous metals.



The ReSource Center
Santa Barbara, CA



Fuel analyzer
Online, real-time analysis in the production of substitute fuels.



Grupo CIP
Puebla, Mexico



Finishing
Secondary shredders for final sizing and preparation.



Fulcrum BioEnergy
Sparks, Nevada

LIFETIME PARTS & SERVICE SUPPORT, GUARANTEED.

Our work does not stop at the sale. We provide extensive start-up support and operator training. Our service team provides after-sale service from locations throughout North America.

Over 60% of our employees are dedicated to service, parts, or technical support. All of our systems include lifetime phone support, which is available after hours and on weekends.

We stock every part for every core piece of equipment we sell in our Norwalk, CT warehouse with an inventory of spare parts exceeding \$20 million. Parts are available for same-day shipping 365 days a year.



203.967.1100 | vdrs.com | info@vdrs.com

Exclusive Sales and Service for Bollegraaf and Lubo. Preferred Sales and Service for TOMRA.

MUNICIPAL SOLID WASTE

Separate recyclables, organics, and fuel to divert waste from landfill.



We're the experts. You're the visionary.

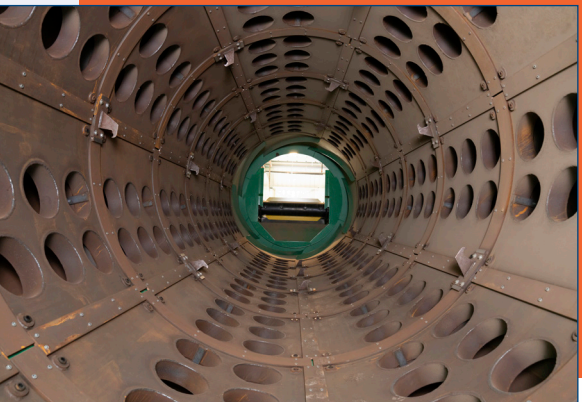
OUR TECHNOLOGIES



Size reducers
Initial coarse shredding, bag liberating, and sizing.



Size separation devices
Full lineup of screens to remove oversized material, fines and organics.



3D Trommel Screens
For true 3D sizing, our patented trommel eliminates jams.



2D/3D separation
Skim off 2D materials while screening out minus materials. No-wrap, no-star design.



Density separation
Separate good feedstock materials by density.



Optical sorting
Separate containers by grade and sort plastics to make fuel products.

SIZE SEPARATION

with patented screen designs

3D TROMMEL SCREEN



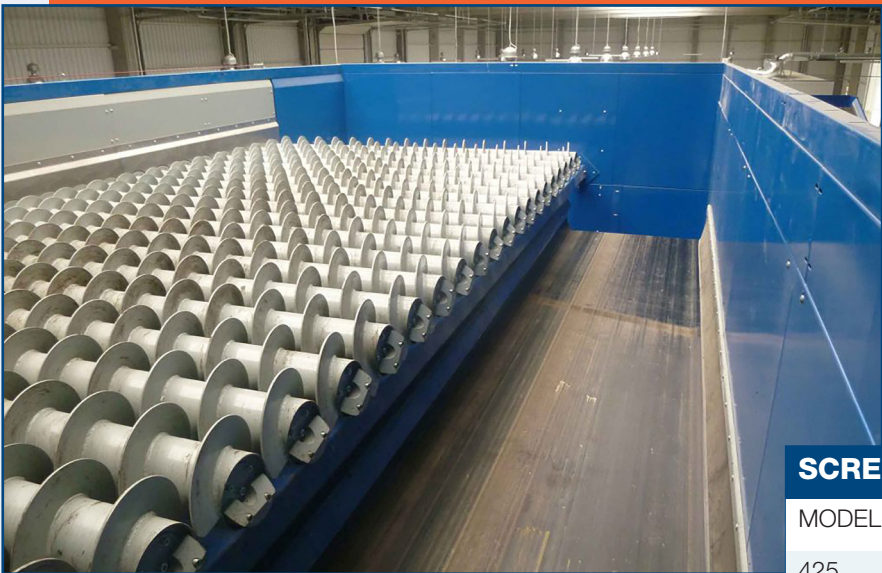
- Heavy duty and precise screening component
- Robust design and extra thick walls handle high volumes
- Effective long-parts separator to prevent downstream jams

ANTI-WRAPPING SCREEN



- Remove oversized materials and screen out fines while processing at a high throughput (up to 50tph)
- Divert 95% of <2" organic fines
- Easily change screening size to increase system flexibility
- Achieve high purity with aggressive agitation
- Faster cleaning and fewer star changes

GÜNTHER SPLITTER®



- Remove fines while preparing material for downstream sorting
- Screen is highly adjustable by speed, length, angle, and screen gap
- Low maintenance (no stars, no wrapping, self-cleaning and wear resistant)
- Easy to install

SCREEN SIZES		
MODEL	LENGTH	WIDTH
425	13' 2"	8' 2"
525	16' 5"	8' 2"
625	19' 8"	8' 2"
FRACTION SIZES		
COARSE SPLITTER	8" - 12" minus	
MIDDLE SPLITTER	5" - 6" minus	
FINE SPLITTER	1.5" - 4" minus	

ELLIPTICAL SCREEN



- Final removal of 2D and fine materials from 3D containers
- Highly accurate separation when material is properly prepared
- True 2" holes screen out remaining fines
- Virtually no cleaning
- NO star changes

OPTICAL SORTERS



TOMRA AUTOSORT SPECS	
AUTOSORT 1000	3.3 ft wide. Up to 3 tons/hr
AUTOSORT 1400	4.5 ft wide. Up to 5 tons/hr
AUTOSORT 2000	6.6 ft wide. Up to 7 tons/hr
AUTOSORT 2800	9.2 ft wide. Up to 10 tons/hr

- Features**
- High mounted scanner and single light source
 - Spray from air nozzles cannot contaminate lenses and lamps
 - Stable sorting performance over entire shift without cleaning
 - Highest sorting accuracy
 - Reliability in extreme temperatures
 - Award-winning customer-friendly user interface
 - Multiple tracks of the same unit can sort multiple grades simultaneously

- Applications**
- Recover small OCC ("browns") from fiber
 - Recover fiber from containers
 - PET processing/upgrading
 - Mixed plastics processing
 - Sorting plastics by color and grade—clear PET from colored or natural PE from pigmented
 - Sorting rigid plastics by grade, including PET, HDPE, PP, PS, PVC, 3-7 mixed plastics
 - Maximum recovery of #1, #2, and #5 plastics
 - Sorting PE film from a waste stream
 - Sorting aseptic packaging
 - Sorting PP and PS by grade
 - Final quality control sorting of plastics grade for high purity

- New Advancements**
- Deep Laiser recovers black plastics, sees virtually everything, including glass, organics, and random trash items
 - GAIN image recognition using AI technology
 - Metal detection
 - Ability to recognize and recover low melts and thermoforms



PELLENC MISTRAL+ SPECS						
	WIDTH (mm)					
	800	1200	1600	2000	2400	2800
A	7377	7377	7377	7377	8377	8377
B	2615	2615	2615	2615	2615	2615
C	1740	2140	2540	2940	3413	3813
D	4770	4770	4770	4770	5770	5770
E	1000 :50	1000 :50	1000 :50	1000 :50	1000 :50	1000 :50
WEIGHT (KG)	600	700	800	900	1000	1100
POWER (KW)	2	2.5	2.5	3	3	3.5
POWER SUPPLY	230 V - 50HZ SINGLE PHASE					
COMPRESSED AIR	7-8 BAR					
CONVEYOR SPEED	3 M/S					
CAPACITY (DEP ON STREAM)	2-4 T/H	3-6 T/H	4-8 T/H	5-10 T/H	6-12 T/H	7-14 T/H
COMMUNICATION	MODBUS					
	EV DISTANCE			FRACTION SIZE		
STANDARD	25 mm			30-250 mm		
HIGH RESOLUTION BAR (HR)	12,5 mm			10-250 mm		
HIGH POWER BAR (HP)	12,5 mm			30-250 mm		
	SENSOR CONFIGURATION					
NIR SENSOR	STANDARD					
NIR AND VISIBLE SENSOR	OPTION					
INDUCTIVE SENSOR	OPTION					

AIR SYSTEMS

2-way, 3-way, and 4-way density separators provide maximum separation of mixed waste and MSW streams at high capacities.



- Advantages**
- Highly accurate separation due to maximum adjustability of the airstream
 - Handles wide variety of material
 - High-volume due to high air transport speeds
 - Low maintenance costs
 - No material is transported through duct lines (eliminating wear and blockages)

- Applications**
- Divert material streams in different densities to improve post sorting efficiency
 - Eliminate shredder damage in RDF processes
 - Improve performance of post sorting equipment by reducing volume
 - Improve light fraction sorting (film) with over belt suction
 - Improve air quality with dust extraction system

