

The logo for FUSION, featuring the word "FUSION" in a stylized, black, sans-serif font. A red and black circular graphic element is positioned above the letter "O".

FUSION



**Recycling Plant for Municipal Solid Waste and  
Industrial/Commercial Waste for  
RDF AND SRF PRODUCTION**



# Municipal Solid Waste & Industrial/Commercial Waste



RDF  
PRODUCTION



RECYCLABLES



GLASS



HDPE



PAPER & OCC



PET BOTTLES



FERROUS  
METALS

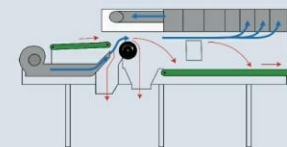
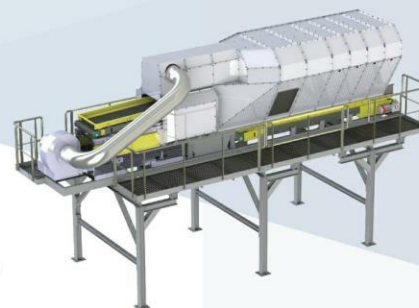


NON-FERROUS  
METALS



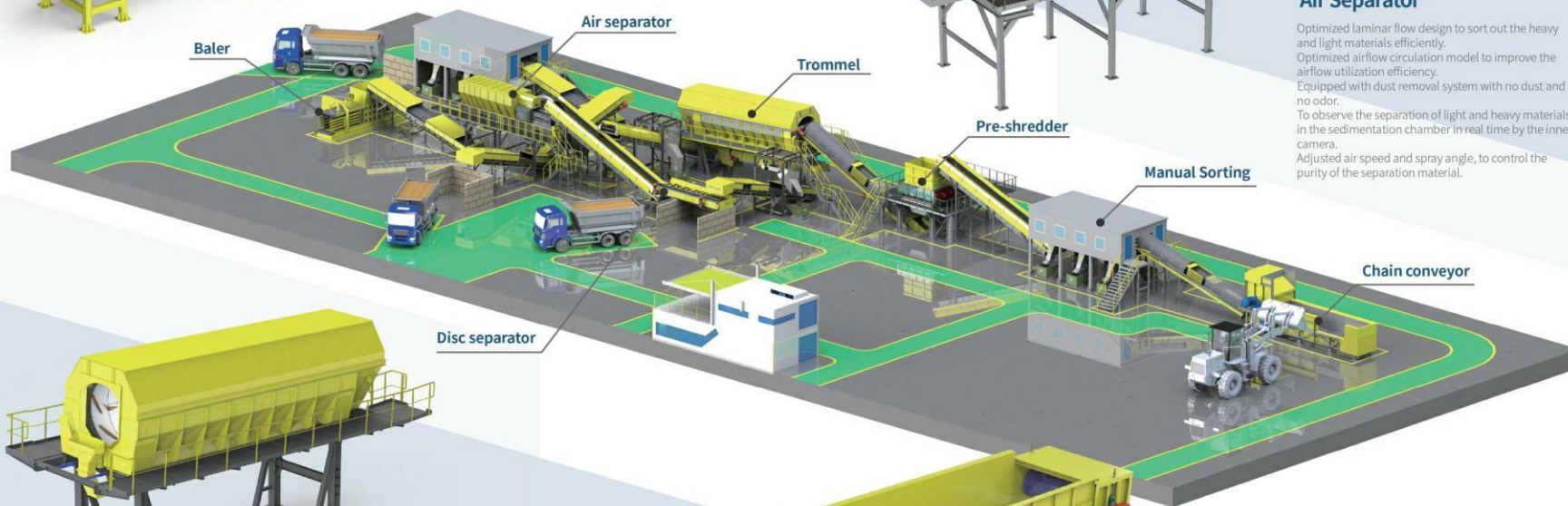
### MSW Pre-shredder

Combination of broken bag and pre-shredding.  
To shred the wood, plastic, fabric, furniture, metal and other material of the municipal waste.  
The output size is about 200-300mm, which can solve the problem of blocking and winding, improve the sorting efficiency.  
Imported blade steel from Europe, which is strong and durable.  
Hard surfacing repairing blade, which greatly reduce the maintenance cost.  
Modular design, easy for dis-assembly, assembly, and maintenance.



### Air Separator

Optimized laminar flow design to sort out the heavy and light materials efficiently.  
Optimized airflow circulation model to improve the airflow utilization efficiency.  
Equipped with dust removal system with no dust and no odor.  
To observe the separation of light and heavy materials in the sedimentation chamber in real time by the inner camera.  
Adjusted air speed and spray angle, to control the purity of the separation material.



Baler

Air separator

Trommel

Pre-shredder

Manual Sorting

Chain conveyor

Disc separator



### Trommel

Inner broken bag blade to improve the sorting efficiency.  
Four single point friction drive with supporting wheel, to ensure smooth operation and low noise.  
Sealed trommel to prevent the leakage of the odor and dust.  
Equipped with maintenance platform and several maintenance door, which is easy for maintaining.



### Chain Conveyor

The Dosing drum break up material  
Control the inputting steam  
Speed changing  
Variable Frequency Control  
Steel board conveyor

### Anti-Winding Disc separator

Anti-winding design  
Break up the waste  
Separate the organic and soil from the waste  
Speed changing  
Variable Frequency Control



### Magnetic Separator

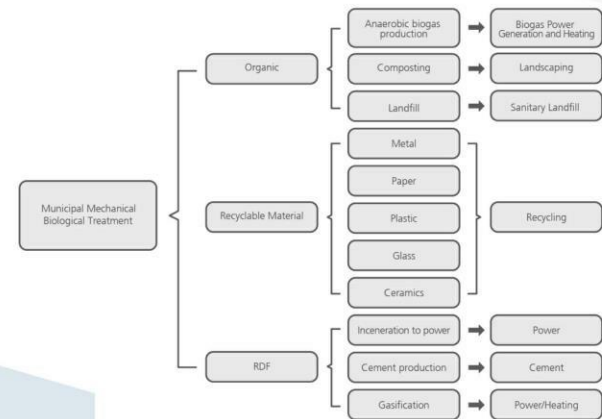
Separate the ferrous metal



## Municipal Solid Waste/Landfill Waste Mechanical Sorting Line(to RDF)



### Resourceful



The MSW/Landfill sorting line is suit for municipal solid waste(MSW) or landfill waste sorting to RDF. By shredding, trommel screening, air separation and magnetic separation to sort out organic material, RDF (refuse derived fuel) and recyclables (metal, paper and plastic) automatically. The organic material can be used for composting, anaerobic production of methane or landfill, RDF can be used for incineration power generation, pyrolysis and gasification, etc., and recyclable material can be used for recycling, so as to effectively realize the recycling, harmless and reduction of municipal waste.



# FUSION®

# PELLETIZING

The RDF fluff from the MSW and/or ICW processing line can be fed into a pellet mill.

This will produce a homogeneous feed material suitable as a source of renewable energy.



# RDF PELLETS

## Pellet Mill *innovation type*

The Cover will be ss to extend service time for pelleting chamber of the high



No B  
the rol  
(but u



Two  
exte  
circl  
prev  
effec



Oil Filter to clear up the oil all  
the service time for all the bear

### Note:

1. We did the heat treatment for 4 hours instead of 2 or 3 hours. The surface is up to 61 HRC (same service time) with 3mm thickness.
2. All main components are made of CNC with best accuracy.

is Premium)  
0%)





FUSION HOLDING LLC

65 MERRIMON AVENUE #1038

ASHEVILLE, NC, 28801

UNITED STATES OF AMERICA

PHONE: +1 787 5290646

MAIL: [fusionrecyclingnc@gmail.com](mailto:fusionrecyclingnc@gmail.com)