

MRF reference

Overseas



- Location : Vladivostok, Russia
- Capacity : 800ton/day



Domestic



- Location : Guro-gu, Seoul
- Capacity : 40ton/day



- Location : Daegu City
- Capacity : 800ton/day



- Location : Ansan City
- Capacity : 92ton/day



LANDFILL RECYCLING FACILITY



Business overview

RDF(Refuse Derived Fuel) can be produced by sorting combustible waste already buried in landfills. In addition to extending the lifespan of a landfill, additional value is generated through the production and sales of RDF. Treatment of landfill waste can not only reduce the amount of greenhouse gas generated from landfill, but also reduces carbon emission as the final product RDF can replace the existing fossil fuel such as coal.

- Photo : RDF production facility(2,000ton per day capacity, Indonesia)



Technical overview

A technology that separates waste by size with screening devices(Trommel screen, Ultra-high molecular PE screen), removes scattered dust by air circulation method, separates combustible waste by wind power, and increases recycling rate of waste.

- The technology of making the best domestic landfill compressor
- Planning and designing to provide optimal solutions
- Direct production of related machinery such as trommel, sorter, conveyor, etc.
- Applying technology such as dynamic separator, gravity sorter, 6-sided compression packing machine
- Reusing soil and stone, and recycling of combustible waste fuel
- Fully installable in the shortest time
- Maintenance and customer services by a qualified technicians



Feasibility Study & R&D Project

- FS for greenhouse gas international reduction project of thermal energy supply by using biomass solid fuel in Vietnam supported by KECO, 2023
- FS for POME treatment plant and methane(CH₄) reduction CDM project with PT.PN5(Persero) in Indonesia supported by KEA, 2021
- POME Treatment Plant and Methane(CH₄) Reduction CDM Project in PT.PN5(Persero), Indonesia by KEA, 2021
- Development of Hydrothermal torrefaction technology by using Herbal biomass by TIPA, 2020
- FS for coconut biochar production plant in Indonesia supported by KOPIA, 2020
- FS for generating electricity with SRF converted from landfill waste and MSW in Indonesia supported by KEA, 2019
- Indonesia localization project of combustible waste to energy conversion and DME production technology supported by KEITI, 2018
- FS for WTE(Waste-to-Energy) project in Indonesia supported by KOPIA, 2017



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MRF

Material Recovery Facility

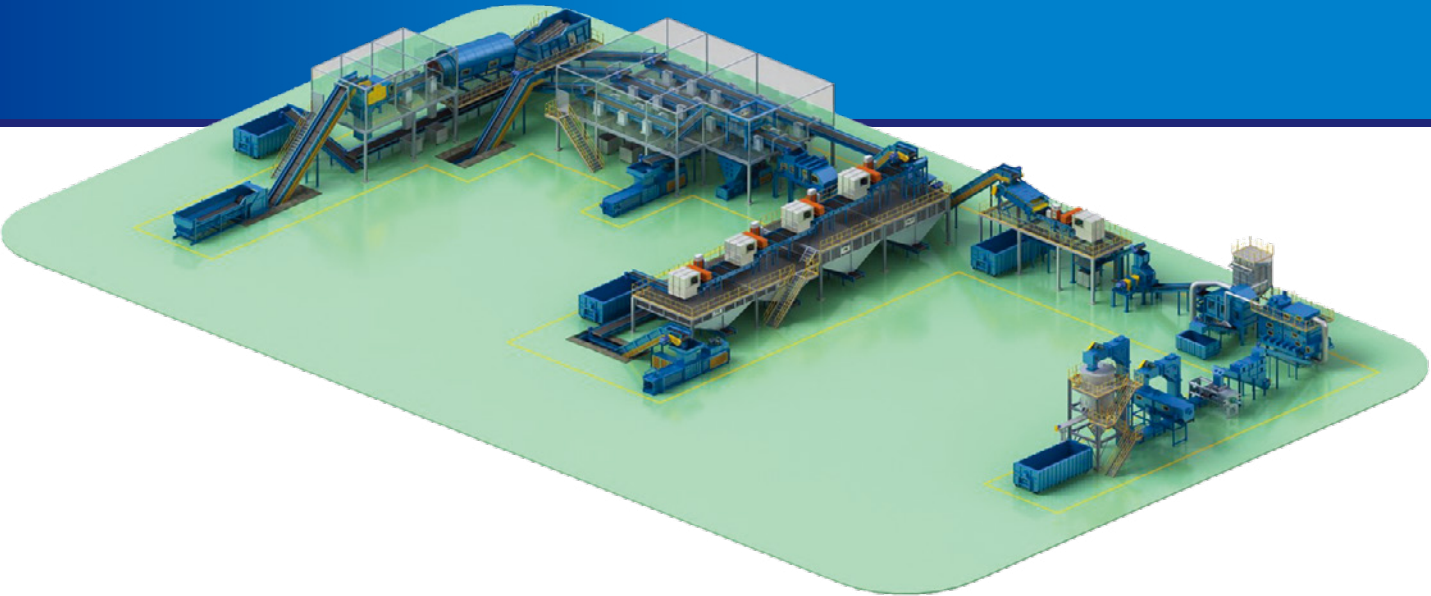


MRF Solutions

Engineering at its best!

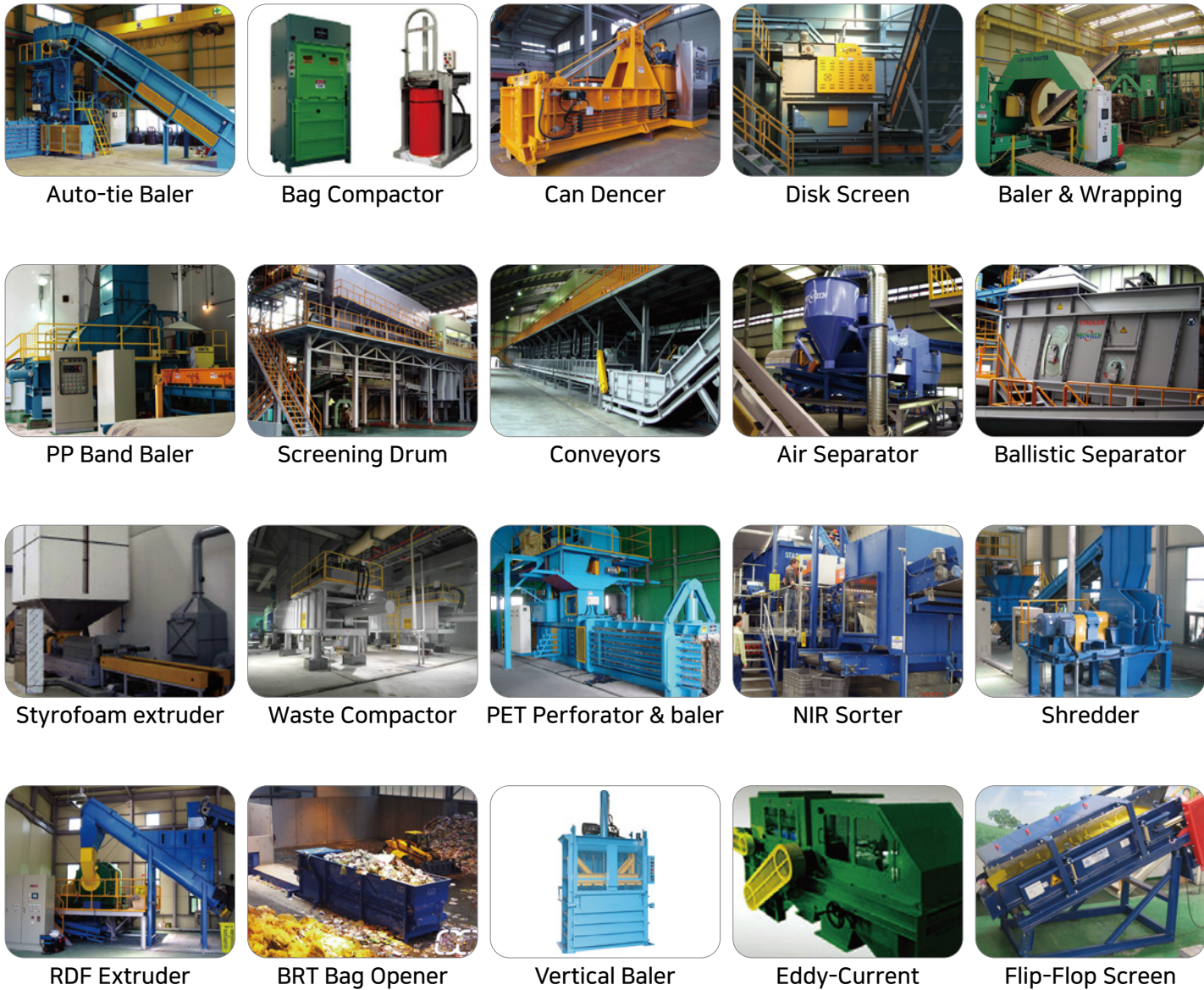
We provide an optimum solution for waste sorting system





Bag opener + Dynamic separator + trommel + Ballistic + Magnetic + Eddy-current + NIR sorter + Air separator + Dryer + Extruder

Eco-Facility! Automatic Sorting System! World Best!



Intelligent & Automatic Solution by DAEHAN E&C



Process



Components

