

RDF Pellet Machine

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International
Quality System
Certification



CE Certification

Patents

ZL 2020 1 1009400.0

ZL 2022 2 0369576.5

ZL 2022 3 0129242.6

High pelleting efficiency and low energy consumption



Pellet Mills are utilized to compress solid waste into fuel pellets.

Overview

RDF pellet machines are designed for the drying and forming of combustible solid waste. Their primary function is to transform waste into standardized block-shaped fuel, increasing the calorific value per unit volume and facilitating storage and transportation. In the field of waste management, these pellet machines play a crucial role by converting otherwise useless waste into economically valuable alternative fuel.

On the production site, RDF pellet machines face a significant challenge related to humidity. While they offer a drying function, these machines are not specifically designed for drying. Excessive moisture content can result in high energy consumption and issues such as reduced output and poor forming effects.

Rely on GEP ECOTECH for long-term success in your waste-to-fuel projects in a competitive market.

GEP ECOTECH has rich experience in waste-to-fuel conversion, offering a series of equipment from shredders, magnetic separators, air separators to forming machines. Our equipment has extensive material adaptability, capable of transforming various combustible wastes such as municipal solid waste, industrial and commercial waste, demolition waste, leather textiles, and biomass into high-quality RDF/SRF. Our equipment is widely applied in waste-to-energy plants, cement factories, commercial RDF plants, and more.

Technical Highlights

Simple structure

The number of die apertures is large and the processing capacity is large; Simple structure, simple and convenient maintenance, low maintenance frequency.



Good molding effect

Dynamic heating molding, good molding effect; Pressure forming, the lock type of the finished product is not loose.

Adjust the radial clearance easily

It is convenient to adjust the radial clearance between the pressure roller and the mold, and ensure the proper clearance between the pressure roller and the mold.



Strong material adaptability

Strong material adaptability, from powder to 50mm long, can be processed and formed.



Application

- Leather Scraps
Cowhide, Animal Skin etc.

- Timber / Wood
Pallets, Joiners Waste, Green Waste etc.

- Paper & Cardboard
Confidential Documents, Paper Mill Scum, Packaging Materials etc.

- MSW
Construction Rubbish, Kitchen Waste etc.

- Textiles
Old Clothes Fabric, Garments etc.

- Agricultural Residue
Straw, Garden Waste etc.

- Plastics
Mouldings, Purgings / Lump, Profiles, Films etc.



MSW to RDF



Leather to RDF



Plastic to RDF

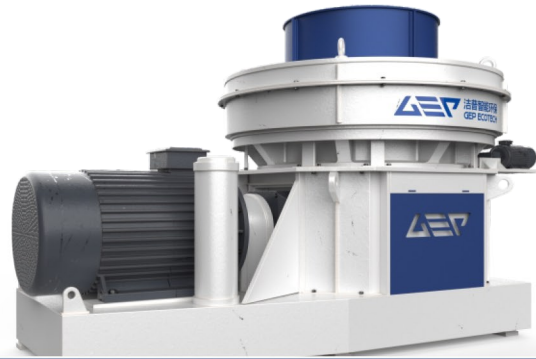


Textile to RDF

Configuration

RDF Pellet Machine

GPM Series



Model	Quantity of Molds (pcs)	Forming Fuel Specifications(mm)	Processing Capacity(t/h)	Main Power(kw)
GPM-52	52	32×32	0.8-2.5	75-160
GPM-102	102		2.5-6.0	160-200
GPM-136	136		3.5-8.0	185-250

Note: Technical specifications may change without notice due to ongoing technological advancements.

RDF Pelleting Mill in Action





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