

R P F (solid fuel) Production flow chart

1. Collection of Waste & Mixing of Materials

Collection of Waste

magnetic separator

conveyerbelt

mixed material

mixing

- wood waste 30%~40%
- waste paper 30%~40%
- waste fiber 30%~40%
- waste plastics 60%~70%

calorific value (adjustable)

5,000 kcal/kg

7,500 kcal/kg

2. Shredding Material

Ring Die System

production capacity 2.5t/h

mixed material

magnetic separator

magnetic separator

Screw Feeder System

production capacity 1t/h

mixed material

rotor

screen

3. Forming Solid Fuel

cyclone collector

air feeder (blower)

fixed-quantity feeder & mixing

conveyerbelt for re-process

Unit No. 1

ring die

Unit No. 2

cyclone collector

cooling unit

magnetic separator

fixed-quantity feeder

conveyer

rotor blade

forming unit

forming heater

activated carbon deodorization

exhaust ventilation

cooling unit

4. Solid Fuel

cylinder size

length around 50mm

diameter around 10~15mm

by ring die

by screw feeder

To be utilized as thermal energy material for boilers at the Paper and Steel factories, which can be substituted for coal or heavy oil.

cylinder size

length around 100mm

diameter around 30mm