

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

conveyor

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