



# Large Pellet Machine

## FEATURES

Ring die pellet machine is the essential equipment for large pellet production line. The capacity of GEMCO ring die pellet machine can reach up to 2000kg/h. Referring to ring die type pellet machine, the pellet roller and ring die both operate on the vertical axis. The inner and outer edges of the pellet roller cover the same distance across the surface of the die. There is no skipping occurs and this is also why the life of the ring die pellet mill is much longer than at type.

**Suitable Raw Materials:** sawdust, wood chips, tree branches peanut shell, wheat straw, corn stalk, sugarcane bagasse, palm ber and many other wood/biomass materials and agro-

- It is designed with cooling system to ensure continuous working and prevent overheat of the pellet machine over 8 hours, protects electric motor and electrical parts, and eventually lengthen its life span.

- It adopts double belt-driven system.
- Main parts roller and die are made from stainless steel to guarantee long service life.



## LARGE RING DIE PELLET MACHINE



### 01 Small Ring Die Pellet Mill

This small ring die pellet mill can process a wide range of different biomass materials. It is quite suitable to be used in a small scale wood pellet production line. This machine needs 22KW and three phase electric power. There are two motors in the machine. One for screw feeder and the other for force feeding.

Model	Capacity (kg/h)	Power (kw)	Dimension (mm)	Weight
BPM25	200-250	22+0.75+0.3	1700*1200*1000	800

### 02 Small Ring Die Pellet Mill

Designed with double belt driven structure. When the biomass raw materials enter the machine chamber by feeder, high speed rotating die will pressing the materials through the hole on the ring die. Under high temperature and high forceful extrusion, density and smooth wood pellets will be shaped and fall out of the pellet machine.

Model	Capacity	Power (kw)	Dimension	Weight
BPM35	500-800	30*2+0.75+0	2150*1950*19	2200



### 03 Larger Ring Die Pellet Machines

In this large pellet machines, the roller and die operate on the vertical axis. The inner and outer edges of the pellet roller cover the same distance across the surface of the die. There is no skipping occurs and for this reason the life of the rollers and die are considerably longer.



Model	Capacity (Ton/Hr) Sawdust / Stalks	Power (kw)	Dimension (mm)	Net Weight (kg)
BPM420	1.2~1.5 / 1.5~2.0	90+1.5+2.2	2500*1100*1900(2300)	3T
BPM508	1.5~1.8 / 2.0~2.5	110+1.5+2.2kw	2800*1100*1900(2300)	3.7T

MACHINERY DETAILS



**Quality Guarantee:** GEMCO offer one year quality guarantee to the whole machine of our small pellet mills from the date when the cargo is shipped.

## SPARE PARTS

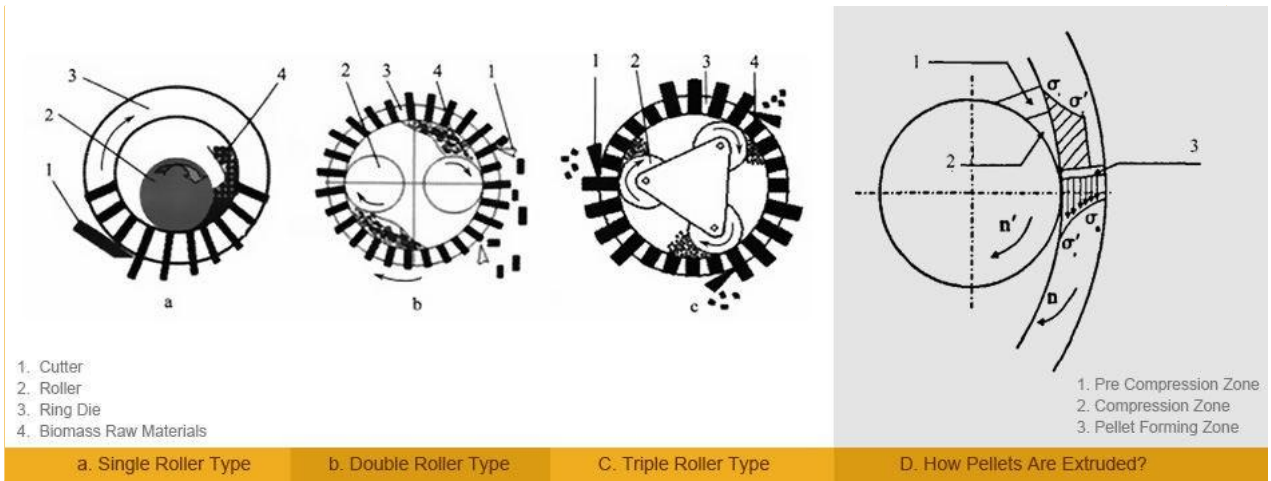


## HOW DOES RING DIE PELLET MILL WORK?

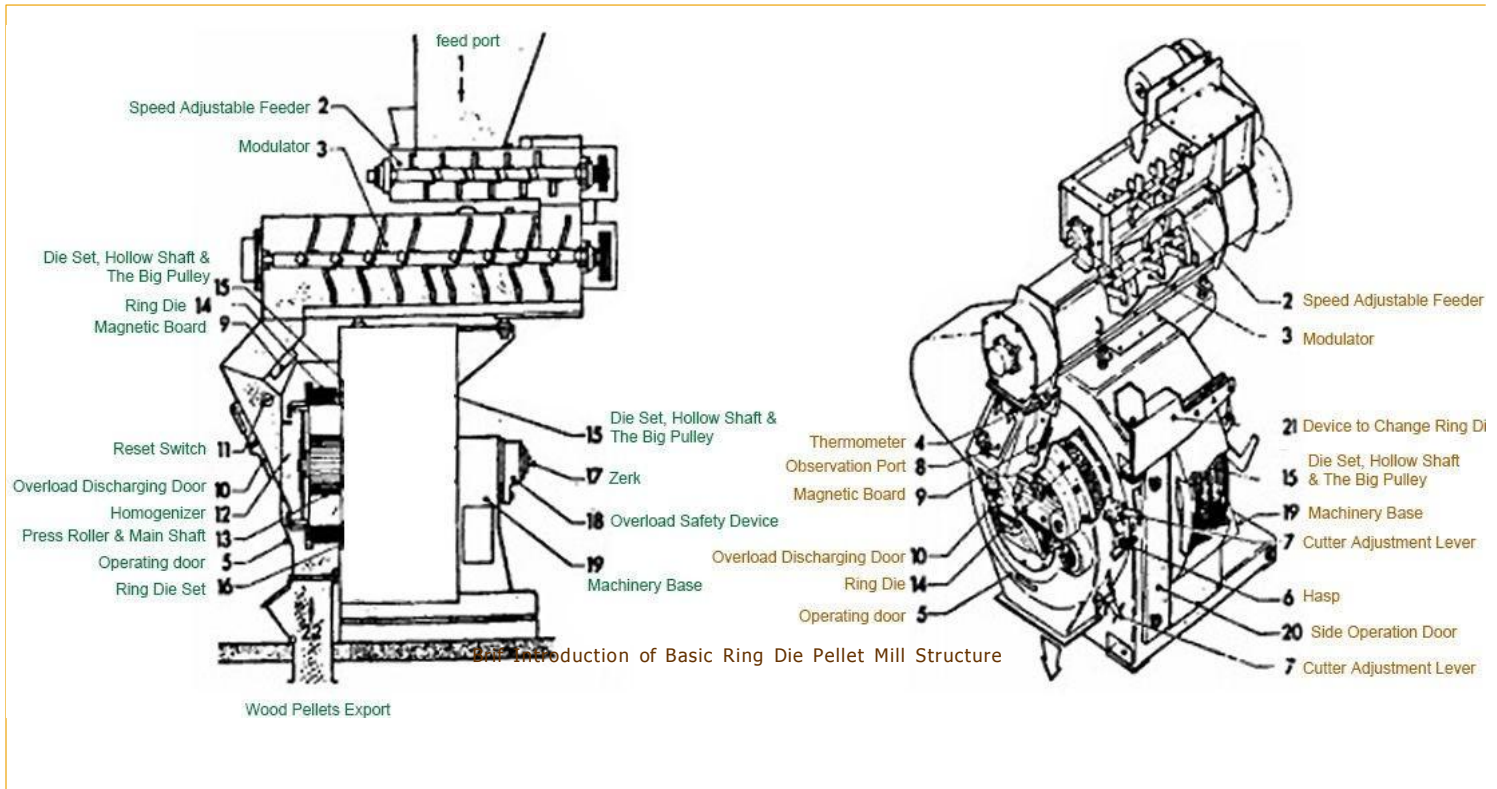
There are three types of die and roller structure: single roller, double roller and triple roller. Pellet Mill adopts Double Ring Die Design. The below table show the differences between these three types. And you can also learn how pellets are extruded by the pellet die and roller.

Ring Die and Roller
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The below picture shows the common structure of BPM35 ring die pellet mill. You can see the brief internal structure from the picture. Hope this can help you have simple understanding of ring die type large pellet machine. If you are interested to know more about our pellet machines or have any questions, feel free to contact us please!



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