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# Small Static Pellet Plants

## Small Static Pellet Plants

Pellet production includes several processes, we promote individual pieces of equipment including hammer mills, dryers and pellet mills, however we also promote all included small static pellet plants. The small static pellet plants include raw material size reduction, particle conditioning, pellet compression and pellet cooling with fines removal.

### Particle Size Reduction

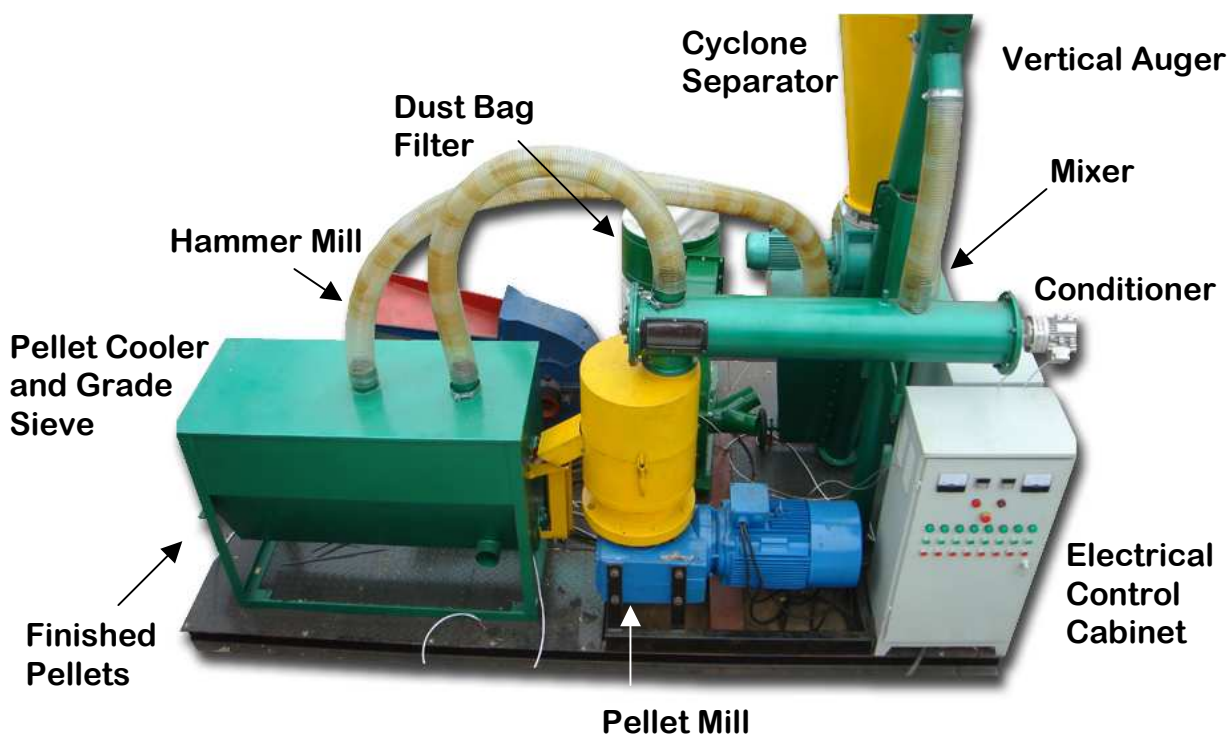
Before pellet compression can take place, necessary raw material size reduction has to take place. To produce a pellet the raw material must be reduced to particles smaller than the diameter of the holes in the die. Therefore the small static pellet plant comes with a hammer mill included which can process branches with a diameter of less than 20mm and also wood chips.

### Raw Material Conditioning and Pellet Compression

One of the key requirements for consistent quality pellets, is the consistency of the raw material. Changes in moisture content and particle density will impact on pellet compression and ultimately pellet quality. The small static pellet plants therefore have a batch mixer to provide a consistent material mix to the pellet mill. Once the material has been mixed it is lifted via a vertical auger into the horizontal conditioner. The conditioner provides further mixing for consistency, and feeds the pellet mill. The conditioner is also variable speed.

### Pellet Cooling With Fines Removal

Depending on the productivity required, a subtlety rated ZLP Pellet Mill is matched to the small static plant. From the smallest productivity of the ZLP 200 at up to 100Kg/h, to the ZLP 400 at up to 350Kg/h. Once the pellets have been formed, they need to be cooled before storage and excess fines must be removed. A cooler and grade sieve is included in the small static plant.



## Small Static Pellet Plants

The small pellet plants include raw material size reduction, material preparation, pellet compression, cooling and fines removal. Therefore the small static pellet plants include:

1. Hammer Mill, Cyclone Separator and Air Lock
2. Horizontal Batch Mixer for material consistency
3. Vertical Screw Conveyor and Conditioner
4. Flat Die Pellet Mill
5. Pellet Cooler and Grade Sieve to remove fines
6. Fan and Dust Bag Filter to collect fines
7. Steel Frame and Tool Box and Tools



Plant Number	100	150	250	350
Max Power (Kw)	34	39	43	50
Productivity (Kg/h)	55-100	100-150	150-250	250-350
FOB Price USD	21,541	23,365	24,424	26,200



## Semi-Automated Packaging Machine

If required a pellet packaging system can accompany the pellet plant. A bucket elevator is included to transport the pellets to the storage hopper with a volume of 1.5m<sup>3</sup> and a level indicator.

The bagging system can weigh bags from 5 to 25kg, seal the bags and then the conveyor moves the bags off the system.

FOB Price USD 15,491



## FOB Price USD

The FOB price does not include shipping

## Need More Information and Help On How To Order?

At PelHeat we help all customers of the PelHeat Wood Pellet Production Guide order the best quality equipment, directly from the manufacturer at the lowest prices guaranteed. To Learn more, please click the link below:

[www.pelheat.com/wood\\_pellet\\_production\\_guide.php](http://www.pelheat.com/wood_pellet_production_guide.php)