



BIOMASS

PROFESSIONAL SOLUTIONS IN BIOMASS PLANTS



Wood Chips



Corn, Cotton Stalks



Tree Branches



Wood Dust



Alfalfa



Animal Manure



Rice Husk



Straw

ROTARY MILL GROUP

- Hay
- Alfalfa
- Agricultural Waste (Cotton Stalk, etc.)
- Pruned Tree Branches
- Palm Tree Leaves
- It is suitable for products with a humidity of 15% and below.
- A different design is made for products with higher humidity.
- Two models are available, 110kW and 132kW.



- Rotary Table Mill
- Use of round or rectangular bales
- Loading with bucket or band
- Fan and cyclone suitable for capacity
- Bridge type magnet on band
- Speed-controlled pellet feeding

TURNKEY BIOMASS PLANTS

Other raw materials added to the pellet feed ration other than granular ones:

- Alfalfa, hay
- Rice husk, sunflower husk
- Grain screening waste
- Dried fruit and vegetable waste

The project needs to be designed differently from the standard feed plant if the raw materials above are supposed to be used in the ration.

Different grinding, mixing and pelletizing groups are given according to the content of the project.



BIOMASS PELLETIZING GROUP

- Hay, alfalfa
- Cotton stalk, sunflower stalk
- Rice husk, sunflower husk, peanut husk
- Various crop stalks
- Dates and other pruning waste
- Wood dust
- Forest waste
- Cattle manure
- Chicken manure
- Some chemicals

BP55 BIOMASS PELLET PRESS

- There are 3 rolls in the BP55 biomass pellet model.
- Main motor power is 55kW.
- Production of desired pellet size. Its capacity varies according to the product. (400-1200 kg/h)
- Die imported from Europe.



BP132 BIOMASS PELLET PRESS

- There are 2 rolls in the BP132 Biomass pellet model.
- Main engine power is 132 kW
- It can press 2.5 - 8mm diameter pellets. Its capacity varies according to the product. (1000-2500 kgh)
- Die imported from Europe.
- Bidirectional disc handling.
- The hot air formed inside the die is sent to the dust collection unit with the help of aspiration. In this way, overheating and dusting are prevented.
- Main body transmission groups in all our biomass pellet presses have oil cooling system.
- Roller bearings are lubricated automatically.



TURNKEY BIOMASS PLANTS SPECIFIC TO YOUR PROJECT

- More than one mill or pellet press can operate depending on the capacity.
- System structure is determined according to the needs of the project.
- Hydraulic silo can be used for products with fluidity problems.



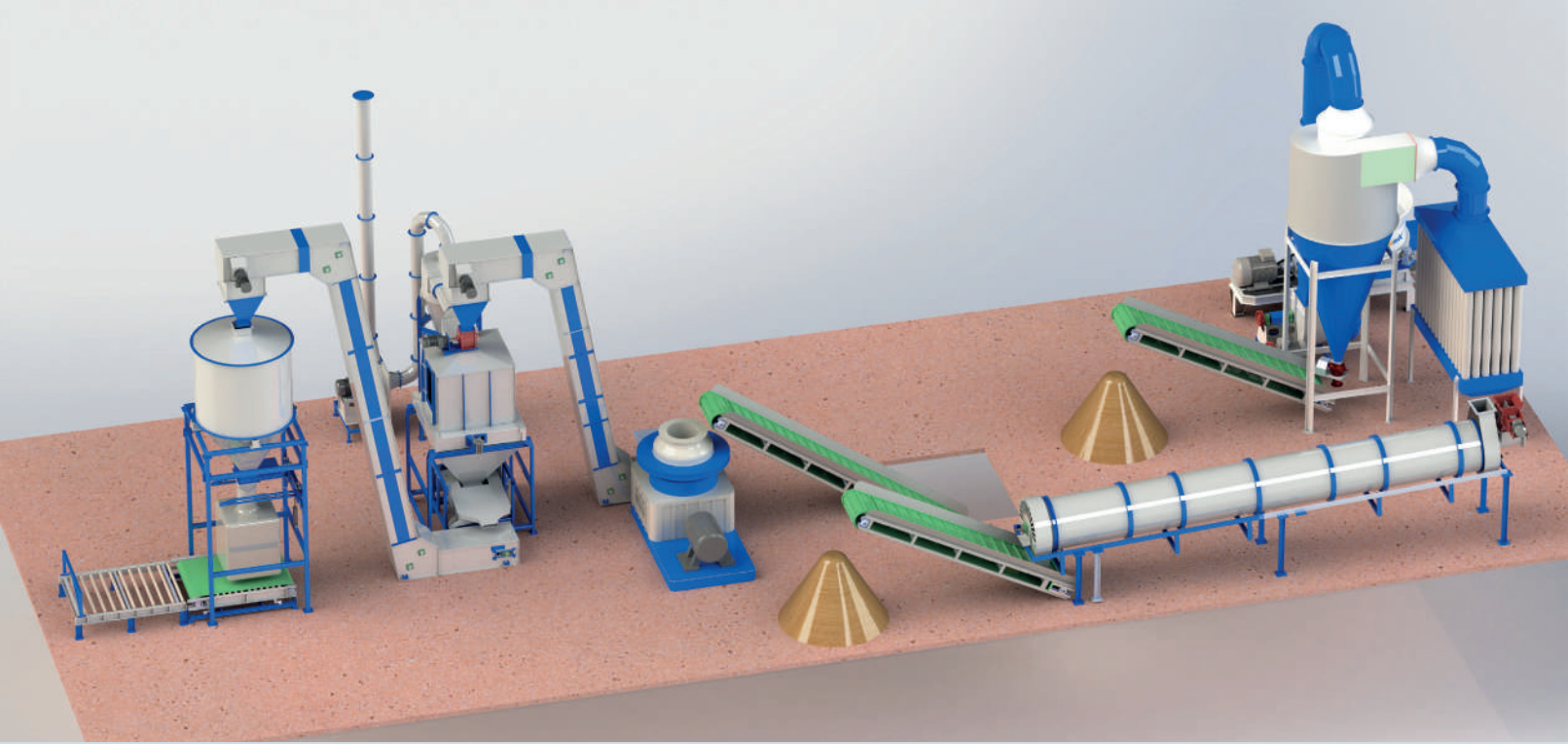
8 tons/hour capacity alfalfa pelletizing plant project

BIOMASS SYSTEMS WITH DRYING UNIT

- Humidity must be below 15% in order to make biomass pellets. Depending on the condition of the raw material, crushing may be required before the drum tumble dryer.
- In projects such as wood chips, the raw material size is suitable for the dryer and may need to go through the mill again before pelleting.

- In fertilizer pelleting projects, first the chain fertilizer crusher and then the drying process are carried out.

Your project is completed by combining the most suitable machines according to the raw material characteristics.



- Drying process of materials with maximum 50% humidity is done in drum dryers.
- Dryer dimensions and energy needs are determined according to the type of raw material, moisture content, and capacity.
- The project is detailed according to the energy source.



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