

Complete Wood Pellet Mill, Wood Pellets Mills Equipment



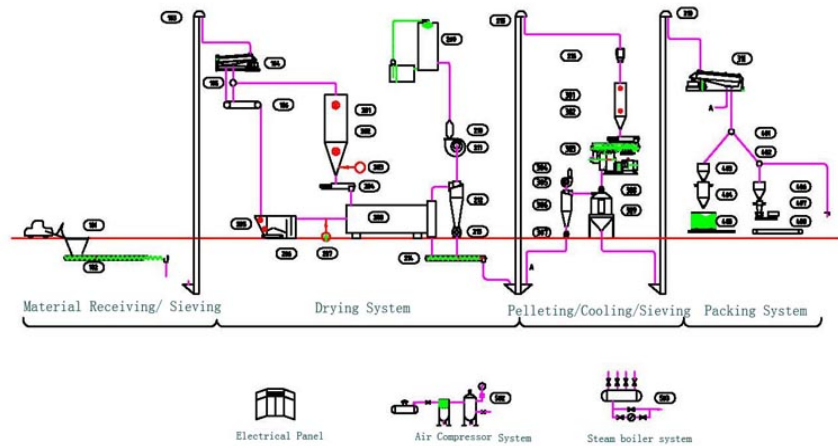
AGICO Group & GEMCO Energy Machinery CO., LTD

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Complete Wood Pellet Mills



Wood Pellet Mill



Flat Die Pellet Mill

FLOWCHART:

Pelletizing is the process of making the waste materials into solid fuel. The products are used for burning purposes. The wood pellet is one of the most commonly used pelletizing materials. The wood pellet can be made from any type of agro-forestry waste: Groundnut-shell • Sugarcane Biogases • Caster Shells/Stalk • Saw dust • Coffee Husk • Paddy Straw • Sunflower Stalk • Cotton Stalks • Tobacco waste • Mustard Stalk • Jute waste • Bamboo Dust • Tea waste • Wheat Straw • Palm husk • Soybeans husk • Coir Pitch Barks/Straws • Rice Husks • Forestry wastes • Wood Chips and many other Agro wastes. But the moisture content should be less than 12%, the grain size is below 5*5mm.

(1). Wood Pellet Mill: Crushing Process:

When the thickness of raw wood material is >10mm, and >50 * 50mm(L * W), we need use the wood chipper to chip them into small pieces, then crush the small pieces into wood powder which is less than 3mm in diameter by Hammer Mill (Crusher).

(2). Wood Pellet Mill: Drying Process:

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The best moisture content to pelletizing is about 13-15%. The GEMCO Rotary Dryer is made up of Stove and Main Rotary Dryer, which can reduce the moisture from 60% to 10%.

The stove is fueled by coal, which can largely save electricity consumption. The rotary dryer is specially designed for energy saving purpose, the surface of the dryer is covered with special cotton material sheet to prevent the heat from leaking.

(3). Wood Pellet Mill : Pelletizing Process:

MZLH Wood Pellet Mill is the most important equipment, which has the following features:

1. The lubrication system for the wood pellet milling adopts the tracing and inspecting system controlled by the microcomputer. When the temperature of the bearing is above the normal temperature, the microcomputer will start the auto-lubrication system to lubricate the bearings. It completely solved the trouble of lubricating roller depending on the operation experience. The Lubrication System is made up of the

tracing and inspecting system controlled by the microcomputer,the auto-timing lubricate device and the manual compelled lubricating device .

2. Driving Gear adopts the high precision gear transmission structure. The wear bearing is SKF from Sweden. The ring die adopts the hoop fastening method.Comparing with the past bolt fastening method,this one is increasing the speed of discharge . As a result, the capacity is 10-15% higher than that of the belt transmission structure.

3. As per the ring die and roller of the wood pelleting mill, we have the excellent machining with the alloyed steel. And the heating treatment is also different from the other manufacturer in China.The carburizing treatment makes the depth of hard facing to 2mm, which improves the anti-abrasion of the ring die and roller more than 10 times. This can largely cut down the production cost.

(4). Wood Pellet Mill : Cooling Process:

After the pelletizing process, the temperature of the wood pellet is about 60-80 degree Centigrade, and the moisture content of the wood pellet is about 15%.So we need use a cooler to reduce about 3-4% of the moisture, which makes the wood pellet easy to store.But according to the feedback from some foreign customers, their local climate is very humidity; they hope to cool the wood pellet with moisture 7-8%. In order to satisfy the different needs from different clients, we offer you with a new kind of stabilizer combined cooler.

(5).Wood Pellet Mill : Packing Process:

After the cooling process, the wood pellet will not directly enter into the fuel process to avoid the affect from the damp. The packing process is necessary. In this process, we assemble the best domestic semi-auto packing machine to you.Generally, most customers need one small weight range scale with auto sealing packing machine, and one large weight range scale with semi-auto packing machine. For the small scale, the weight range will be 15-25kgs per bag.For the large scale, it will be 1000kgs per bag or 800kgs per bag.These will up to the different needs from the customers .

Note:

For the complete wood pellet plant, the Dust Filtering is a heavy and important task. We assemble the Common Dust Collector(known as cyclon) and Impulse Dust Filter.Fo the exhausting air, we use Water Film Dust Collector to realize the free dust situation in the process of Drying and Cooling which generate plenty of dust in the working time.

GEMCO Offers a Range of Equipment for the Production and Supply of Complete Wood Pellet Mill,Wood Pellets Mills Equipment from China.Manufacturer of Complete Wood Pellet Mill,Wood Pellet Mills Equipment is of good quality and competitive price! -- Pellet Mill,Pellet Mills

WoodPellet
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Wood Pellet Plan

Cooler

Spare Parts

Hammer Mill

Steam Boiler

Pellet Stove /Fireplace Magnetic Separator

Pellet Mill

Conveyor

Dies &Rollers

Drum Chipper

Dust Filter

Dryer

Packing Machine

PLC Control

Heat Stove

Elevator