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MACHINERY RICHI

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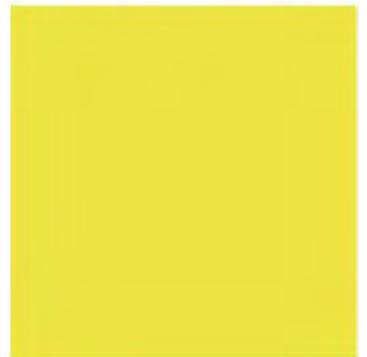
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**PROFESSIONAL PRODUCTION
PELLET MACHINERY**



Wood Pellet Production Line



Factors You Should Know before Building a Wood Pellet Plant

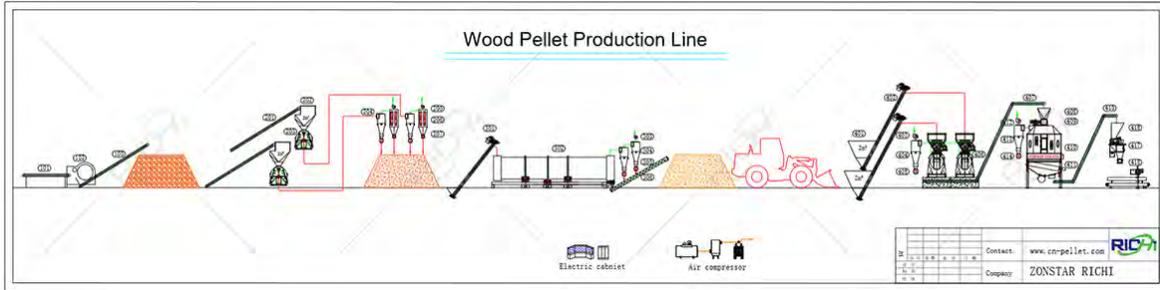
Firstly, no matter what materials you choose, control the moisture content 8-12%. This is very important for ensuring the smooth of pelleting process and improving the productivity. You'd better not to save cost in this process. Higher moisture content will cause block problem and the iron parts of the machine will easily rust. Lower moisture content will make it hard to be extruded or pelletized. Both higher and lower water content can result in reduction of pellet productivity. If your budget is really limited, you can drop the dryer machine and choose to dry the raw materials in the open air by sun. But his is only suggested for small capacity.

Secondly, buy high quality and reliable wood pellet mill. We all know that wood pellet mill is the key parts of any pellet plant. It is essential in all situations. But high quality ones doesn't mean expensive ones. RICHI Wood Pellet Mill is the ideal choose for most customers. We can supply the most cost-effective wood pellet equipment and the price of our equipment is affordable for most customers.

Wood Pellets Processing Flowchart

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A complete wood pellet production line for making wood pellets including: Raw materials preparation, wood crushing (For logs and other biomass materials more than 5mm in dia.), sawdust drying (if the raw material contains moisture of more than 18%), wood pellets pelletizing, wood pellet cooling, biomass pellets packing.

Process of Complete Wood Pellet Production Line

Raw materials Preparation

Wood pellets can be made from sawdust, wood shavings, wood chips or wood logs, any forestry wastes or biomass straws, stalks, etc.

Raw Material Crushing Process

Crushing machine is used for crushing the larger materials into smaller powder for supporting produce wood pellets. Wood crusher is ideal equipment for crushing raw materials like square logs with diameter less than 200mm; if the material has a diameter less than 50mm, then wood hammer mill is the best choice. The best thickness of the wood chip is less 5mm. After milled, the output size can reach diameter 3-5 mm, which is convenient for further processing to get dried and pelletized.

Biomass Material Drying Process

The best moisture content to pelletizing is about 11-17%. So before pelletizing, a drying machine is needed to make the moisture content reaches the required standards.

Wood Pelletizing Process

Pellet mill is the significant part of the wood pellet production line, and has reliable and stable performance. Capacity ranges from 1T to 10T per hour. You can choose ring die pellet mill or flat die pellet mill depend on your capacity requirements.

Wood Pellet Cooling Process

After pelletizing process, the temperature of wood pellets is between 60-80 degrees and the moisture content is close to 15%. So a cooler must be used to reduce their surface temperature and the moisture content which makes the wood pellets easy to store, meanwhile helps screen good and pure pellets.

Wood Pellet Packing Process

After the cooling process, packing process is necessary to protect the wood pellets from the damp. Amisy automatic wood pellet weighing & packing system adopts PLC control with high weighing accuracy and easy operation is your best choice.

