



BIO MASS PLANTS
ISO 9001:2015

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BIOMASS SHREDDER

Biomass shredder is a machine that cuts rice straw, Agriculture waste into small pieces for easy handling, storage, and use. It is widely used for making pellets, briquettes, compost, biofuel. It consists of feeding hopper, blades, rotor, sieve, motor, and discharge outlet.



Model	Power (HP)	Capacity (ton per hour)
GBSH-03	75	2.-3
GBSH-05	110	3-5

WOOD CHIPPER MACHINE

A wood chipper is a machine used to cut or crush large pieces of wood (like logs, branches, or waste wood) into smaller pieces called wood chips. It is commonly used in Wood Pellet and briquetting Industry. The machine has a hopper, rotating blades or drum, motor/engine, and discharge chute, producing wood chips for mulch, fuel, or composting.



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Model	Power (HP)	Capacity (ton per hour)
GBWC-02	44	1.5-2.5
GBWC-04	55	3-4
GBWC-07	79	5-7

BIOMASS HAMMER MILL

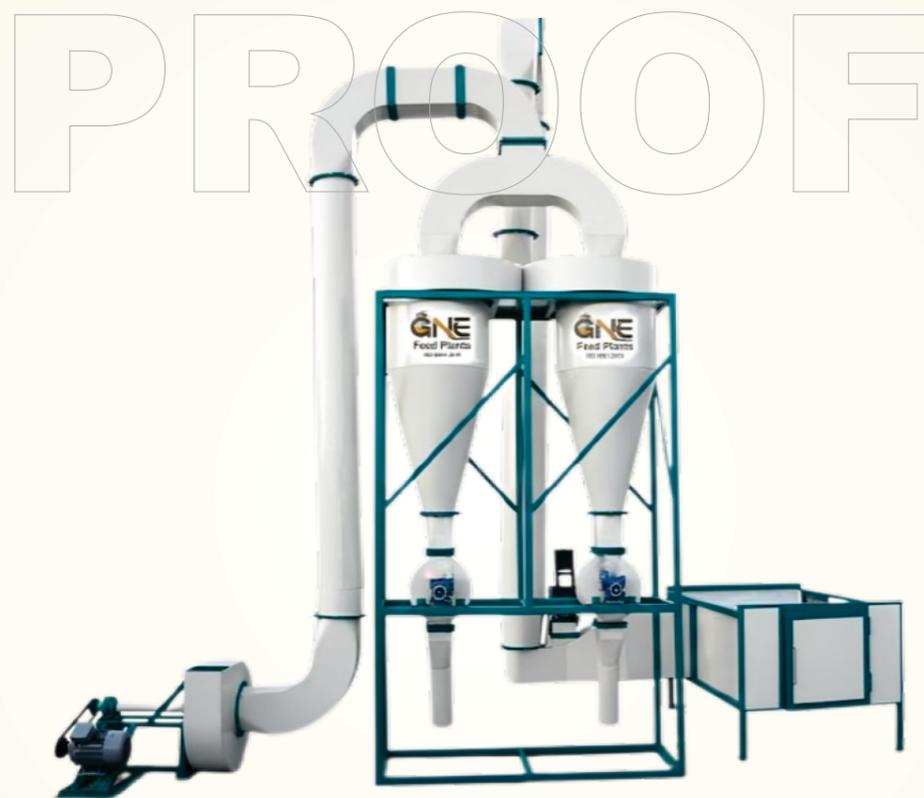
A biomass hammer mill is a grinding machine that crushes biomass materials like rice straw, wood chips, corn stalks, and husks into fine powder or small particles. It uses high-speed rotating hammers to strike the material through a screen. The output is used for pellets, briquettes, biofuel, and animal feed.



Model	Power (HP)	Capacity (ton per hour)
GBHM-02	61	1-2
GBHM-03	101	2-3
GBHM-05	131	4-5

FLASH DRYER

A flash dryer is an industrial drying system that quickly reduces moisture from materials like biomass, sawdust, starch, or powders. Wet material is fed into a hot air stream, where it dries instantly while being carried through a duct. It is energy-efficient, continuous, and ideal for heat-sensitive materials.



Model	Power (HP)	Capacity (ton per hour)
GBFD-02	26	1.5-2.5
GBFD-03	31	2-3
GBFD-05	40	3-5

SAW DUST MACHINE

A sawdust machine is used to convert wood logs, branches, and waste pieces into fine sawdust. It works with high-speed blades or hammers that crush and grind wood into uniform particles. The produced sawdust is widely used in biomass fuel, pellets, briquettes, and wood-based industries.

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Model	Power (HP)	Capacity (Ton p/h)	Material Size (in MM)
GSDM-50	53	1	2-10
GSDM-75	80	2	2-10
GSDM-100	106	3	2-10
GSDM-150	159	5	2-10

BIOMASS PELLET MACHINE

GNE pellet Machine, designed & developed in INDIA. A 100% made in India Product. Our specially designed GBPM models are fully loaded with auto lubrication of all the bearing & dust collector to keep surrounding area dust free. Heavy duty gearbox capable to transfer power to pellet rollers & die. GBP Machine can make pellet of all Agriculture residues, Industrial residues, Forestry residues & Horticulture waste.

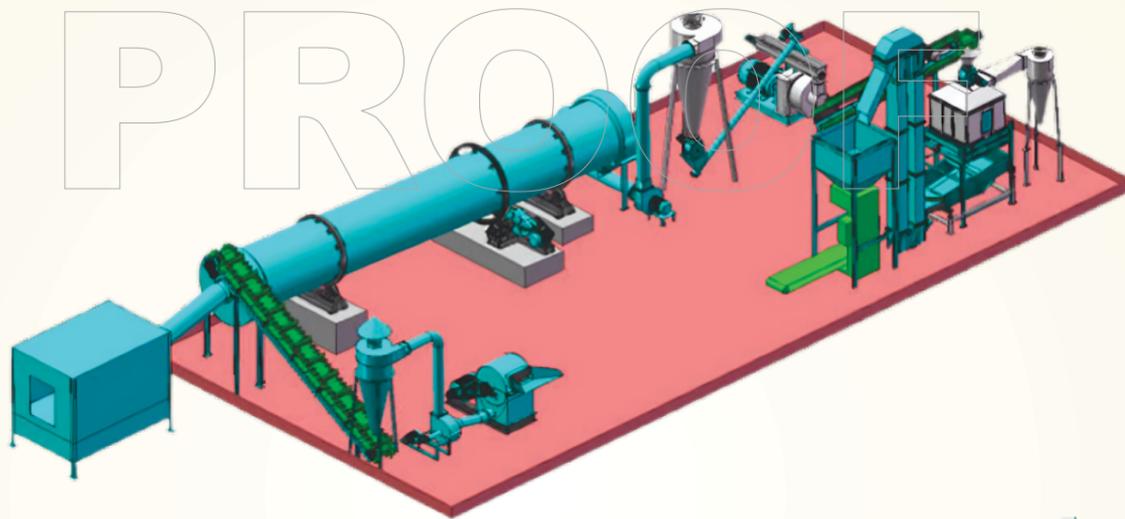


Model	Power (HP)	Wood Pellets (Ton p/h)	Biomass Mixed
GBP-560-90	126	1-1.5	1.5-2
GBP-560-110	156	1.5-2	2-2.5
GBP-560-132	186	2-2.5	2.5-3

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BIOMASS PELLET PLANT

A biomass pellet plant is a production facility that processes raw biomass like wood chips, rice straw, sawdust, or crop residues into compact fuel pellets. It includes shredding, drying, grinding, pelletizing, cooling, and packaging systems. Biomass pellets are eco-friendly, used for burning in boilers, stoves, and power plants, easy to transport, and widely used for renewable energy generation.



Raw Material Collection



Biomass Shredder



Hammer Mill



Flash Dryer



Pellet Machine



Horizontal Cooling Conveyor



Pellets