

www.agroseedgrader.com  
www.agroasianindustries.com



*Better technology keeps us ahead of others...*

Manufacturer of:  
Fully & Semi Automatic  
**BIOMASS OR  
WOOD PALLET  
MAKING PLANT**

Turn Biomass into Biofuel



*Agro Asian*  
**INDUSTRIES**

An ISO 9001:2015 Certified Company  
An ISO 14001:2015 Certified Company  
CE Certified Machineries



# ABOUT US

www.agroasianindustries.com

Agro Asian Industries is well-acclaimed as an adept organization from India that specializes in providing top-notch lab equipment, automation products, material handling equipment, Biomass Pellet and Briquette making plant, milling machine, grain cleaning machine, food processing machine, packing machine and much more. Being a renowned manufacturer and supplier of the above-mentioned products, we are bedecked with state-of-the-art machinery and hygienic methods of production to bring about A-grade quality. We are capable of catering to the specific demands of our venerable clients with the utmost competence.

Established in the year 2013 our veteran organization has gained an immense market reputation within a short span of time under the mentorship of Mr. Sumit Choudhary. We strive to meet the quality requirements of the market by sincerely complying with the norms set by the industry.

## Logistic team

Our distribution network is competent to meet the requirements of geographically scattered clients. We are even capable to meet the bulk orders on an urgent basis and our logistic network always works towards the betterment of services. We are equipped with adequate commercial vehicles to suffice the divergent market requirements within the given time frame. So, get in touch with our deft sales and marketing team and place your order to grab the best deals. Our cordial staff keeps our clients satisfied with great deals and after sale follow-ups.

## Why us?

- Committed quality
- Competitive product pricing
- Ethical business policies
- Complete client satisfaction
- Wide distribution network
- Adherence to industry norms



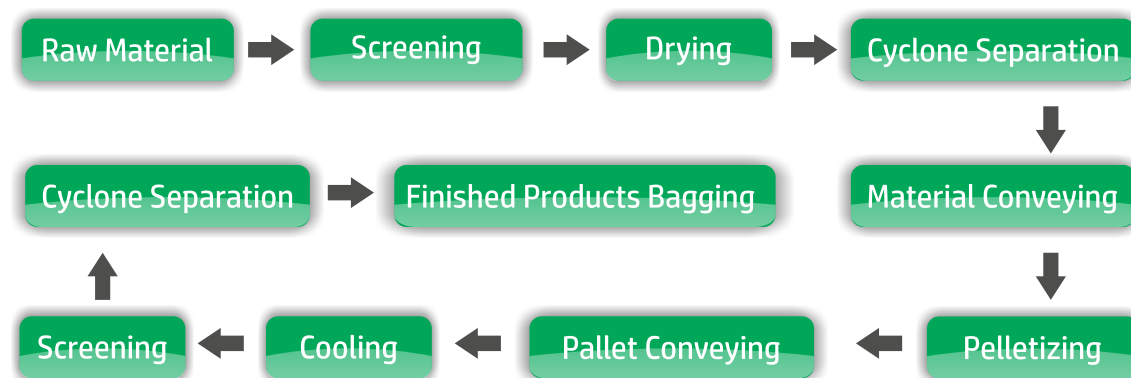




## About Biomass Pellet

The common pellets are made from woody biomass, like sawdust, wood chips or forest residues, but there are a variety of raw materials which can be pelletized. Some examples are paper products, waste biomass, corn, cotton seed, hemp, miscanthus, reed canary grass, straw, cereal spillage, low grade hay etc.

## Process of Making Biomass Pellet?



## Wide Range of Application Raw Material

Display of various raw materials, granules and finished products



Pinewood  
Pallet

Bamboo  
Pallet

Peanut Shell  
Pallet

Corn Stalk  
Pallet

Paper  
Pallet





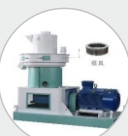
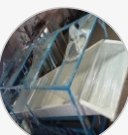
Rice Husk  
Pallet

Coffee Shell  
Pallet

# BIOMASS PELLET PRODUCTION LINE

We have different capacity Biomass Pellet Making Production Line

Capacity: 100 Kg/hr to 2000 kg/hr.

Equipments	100 kg	200 kg	400 kg	800 kg	1000 kg
Crusher 	Qty. -1 Output : 500 kg Power : 22 kw	Qty. -1 Output : 500 kg Power : 22 kw	Qty. -1 Output : 500 kg Power : 22 kw	Qty. -1 Output : 500 kg Power : 22 kw	Qty. -1 Output : 1 Ton/hr Power : 30 kw
Rotary Dryer 	Qty. -1 Output : 100 kg Power : 30 kw	Qty. -1 Output : 300 kg Power : 40 kw	Qty. -1 Output : 600 kg Power : 50 kw	Qty. -1 Output : 900 kg - 1000 kg Power : 80 kw	Qty. -1 Output : 900 kg - 1000 kg Power : 80 kw
Screw Conveyor 	Qty. -1 Screw Speed: 300 R Convey Height Range: 2.5M Barrel Diameter: 141 MM	Qty. -1 Screw Speed: 300 R Convey Height Range: 2.5M Barrel Diameter: 141 MM	Qty. -1 Screw Speed: 300 R Convey Height Range: 2.5M Barrel Diameter: 141 MM	Qty. -1 Screw Speed: 300 R Convey Height Range: 2.5M Barrel Diameter: 141 MM	Qty. -1 Screw Speed: 300 R Convey Height Range: 2.5M Barrel Diameter: 141 MM
Biomass Pallet M/c Mini 	Qty. -1 Output : 100 kg Power : 22 kw	Qty. -1 Output : 200 kg Power : 30 kw	Qty. -1 Output : 400 kg Power : 60 kw	---	---
Large Biomass Pellet Mill 	---	---	---	Qty. -1 Output : 800 kg to 1000 kg Power : 90 kw	Qty. -1 Output : 800 kg to 1000 kg Power : 90 kw
Vibrator Cooler 	Qty. -1 Output : 1 kw	Qty. -1 Output : 1 kw	Qty. -1 Output : 1 kw	Qty. -1 Output : 1 kw	Qty. -1 Output : 1 kw

  
Wood Agro Waste  
Straw, Sawdust, Slab,  
Sunflower Cake, Agro Waste



Grinding



Drying



Earn & Grow Money



Pellets








Pelletizing





# MAXIMUM CAPACITY BIOMASS PALLET MILL

Equipments		
Name		Qty. -1 Output : 100 kg Power: 60 kw
Name		Qty. -1 Output : 1200 - 1500 kg Power: 100 kw
Name		Qty. -1 SCREW SPEED : 300 R CONVEY HEIGHT RANGE : 2.5 M BARREL DIAMETE : 6 Inch
Name		Qty. -1 Output : 1200 - 1500 kg Power: 110 kw
Name		Qty. -1 Output : 2000 kg Power: 220 kw
Name		Qty. -1 Output : 2000 kg Power: 220 kw
Name		Qty. -1 Output : 2000 kg Power: 220 kw
Name		Qty. -1 Output : 2000 kg Power: 220 kw
Name		Qty. -1 Output : 2000 kg Power: 220 kw
Name		Qty. -1 Output : 2000 kg Power: 220 kw

## Wood Pallets Production Line



Wood Logs

Wood Chips

Saw Dust

Wood Pallets



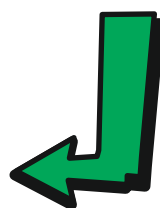
Wood Agro Waste  
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Grinding



Drying



Pelletizing



Pellets



Earn & Grow Money

# Production Cost of Making Biomass Pellet & Briquette (Per Kg)

Production Cost Per Kg.	Manufacturing Cost
Raw Material	Depend on Raw Material
Electricity	Rs. 1.50
Labour Cost, Loading + Unloading	Rs. 1

## Buyer of Briquette and Pellet Industries

Industries
FMCG & Beverages Industry
Pharmaceuticals Industry Brick Kilns
Dyeing Plants Honey Extraction Plants
Milk Plant Food Processing Units
Oil Extraction Units Cooking & Baking
Cement Plants Leather Industry
Paper Mills Rubber Industry
Residential Heating
And many more Industry

## Raw Material for Making Pellet & Briquettes

Raw Material
<b>Forest &amp; Garden</b> <ul style="list-style-type: none"> <li>• Sawdust</li> <li>• Wood Chips</li> <li>• Tree Bark</li> <li>• Pine Needles</li> <li>• Bamboo Dust</li> <li>• Wood Peeling Waste</li> <li>• Wood Shaving</li> <li>• Twigs</li> <li>• Wild Grasses</li> <li>• Veneer Waste</li> </ul>
<b>Agriculture Waste</b> <ul style="list-style-type: none"> <li>• Rice Husk</li> <li>• Groundnut Shell</li> <li>• Coconut Shells</li> <li>• Arhar Shell</li> <li>• Mustard Stalk</li> <li>• Coir Dust</li> <li>• Bajra Cobs</li> <li>• Paddy Straw</li> <li>• Sugarcane leaves &amp; Trash</li> <li>• Wheat Straw</li> <li>• Maize Plant Waste</li> <li>• Coffee Waste</li> <li>• Sunflower Waste</li> <li>• Almond Shells</li> <li>• Cotton Stalks</li> <li>• Mentha Plant Waste</li> <li>• Corn Cob Waste</li> <li>• Tea Waste etc.</li> </ul>
<b>Other Processed Waste</b> <ul style="list-style-type: none"> <li>• Press Mud</li> <li>• Paper Waste</li> <li>• Coffee Ground Waste etc.</li> </ul>





# Calorific Value of Pellet & Briquettes Made

Type of Material	Ash %	Calorific Value (Kcal /Kg.)
• Arhar Stalk	1.98	4000
• Babool Waste	0.99	4650
• Bamboo Dust	8	4160
• Barks Wood	4.4	2770
• Castor Seed Shell	7.5	3750
• Coffee Husk	3.2	4371
• Coconut	3.5	5200
• Cotton Stalk /chips	3	4250
• Coir pitch	9.1	4146
• Corn Dung	14.89	3240
• Eucalyptus Bark	7.5	4100
• Eucalyptus Wood	1.2	4300
• Ground Shells	2.3	4600
• Jute Waste	3	4428
• Maize Stalk	2.1	3800
• Mustard Shell	3.7	4300
• Mustard Straw	8.2	4400
• Pine Needles	1.86	4000
• Palm Husk	4.9	3900
• Paddy Straw	15.5	3469
• Press Mud (Maili )	14.25	3600
• Paper Waste	1.5	4801
• Poplar waste	3.8	4400
• Rice Husk	15.5	3400
• Sawdust	0.7	4200
• Sawdust + Cow Dung	8.2	3898
• Subabul Wood	1.0	4700
• Soyabean Husk	4.1	4170
• Sunflower Stalk	1.9	4400
• Sugarcane Bagasse	22.1	4100
• Sugarcane leaves	7.7	4390
• Switchgrass	3.5	4010
• Tea Husk Waste	3.8	4237
• Wood Chips	1.2	4785
• Wheat Straw	6.4	4100





## CONTACT US

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