



Radhe
ENGINEERING CO.

A New Life for Biomass

Engineering Renewable Energy

BIOMASS EQUIPMENT MANUFACTURER

Biomass processing Technology
BRIQUETTING | PELLETING | DRYING | SIZING





**BIOMASS BRIQUETTING LEADERS
SINCE 1995**



**Redefine Your Energy Landscape:
Biomass Briquetting Machine for a
Greener Tomorrow**

Complete Biomass Renewable Energy Solution

Technology for converting Agro Forestry/Biomass Waste in Environment Friendly Biofuels.

- **Biomass Briquetting Plant**
- **Biomass Pellet Machine - Vertical Ring Die Type**
- **Biomass Hammer Mill**
- **Biomass Dryer - Flash Type**
- **Biomass Dryer - Rotary Drum Type**
- **Wood Dust Machine**
- **Wood Chipper Machine**
- **Biomass Shredder - Double Shaft Teeth Type**
- **Biomass Auto Feeder**
- **Veneer Waste Chipper**

Key Highlights

- ISO 9001:2008 Certified Company.
- State-of-the-art Workshop with Steel Cast Foundry.
- Unique blend of passionate and experienced professionals.
- Trusted by 700+ active customers worldwide.
- Providing proactive solutions that improve efficiency, ensure compliance, and deliver superior customer service.



“A Magnificent Journey Towards a Well-Defined Goal, with Every Step on a Charted Path.”

With more than 35+ years of domain experience, **Radhe Engineering Co.** is actively engaged in the research, development, manufacturing, and marketing of renewable- energy equipment, particularly for the biomass-energy sector.

Our extensive product range includes **Biomass Briquetting Machines, Biomass Pellet Machines, Biomass Dryers, Biomass Hammer Mills, Wood Dust Machine, Veneer Waste Chipper Machine**, and many other biomass-processing solutions.

Since its inception, **Radhe Engineering Co.** has worked closely with its clients to help them utilize waste more efficiently, improve productivity, and build sustainable and agile businesses.

Turning Agricultural Waste into Valuable Fuel

Every year, millions of tonnes of agricultural and biomass waste are generated. Much of this waste remains unused or is burned inefficiently in its loose form, resulting in significant air pollution and environmental damage.

Our biomass & Pellet processing solutions convert this **waste into compact, efficient, and valuable renewable fuels** such as **briquettes and pellets**—making transportation, storage, handling, and energy utilization significantly easier and more economical.



Our Mission Vision & Values

Mission

To become a global leader in delivering innovative, high-quality solutions that transform agricultural and forestry waste into valuable renewable fuel.

We combine technological expertise, extensive domain knowledge, process efficiency, and long-term client partnerships to create sustainable value for our customers, communities, and the environment.

Vision

Founded in the early 1990s, Radhe Engineering Co. began as an independent enterprise driven by his passion for renewable energy and the efficient utilization of agricultural and forestry waste.

Since its inception, the company has remained committed to developing reliable technologies that help industries become more productive, energy-efficient, and environmentally sustainable.

Values

Radhe Engineering Co. carries a proud heritage founded on strong ideals, ethical principles, and engineering excellence.

Our core values define our identity and guide the way we operate, make decisions, build relationships, and achieve our goals. They promote professionalism, integrity, innovation, teamwork, and empowerment throughout the organization.



The PRODUCTS



BIO-MASS BRIQUETTING PLANT

	RE-90	RE-70	RE-60	RE-40
Production Capacity	1500 Kg/Hr	900 Kg/Hr	600 Kg/Hr	250 Kg/Hr
Output Production Capacity	1200 -1800 Kg/Hr	750 -1000 Kg/Hr	400 -700 Kg/Hr	150 -300 Kg/Hr
Connected Electric Load	91 HP	61.5 HP	51.5 HP	48 HP
• Main Motor"	• 75 HP	• 50 HP	• 40 HP	• 40 HP
• Feeding Kupy Motor"	• 10 HP	• 7.5 HP	• 7.5 HP	• 05 HP
• Screw Conv Motor"	• 03 HP	• 02 HP	• 02 HP	• 02 HP
• Lubrication Motor"	• 03 HP	• 02 HP	• 02 HP	• 01 HP
Practical Elec Load (AMP)	80-100 Amp	60-80 Amp	35-40 Amp	35-40 Amp
Electric Consumption	35-40 Unit/MT	40-45 Unit/MT	40-45 Unit/MT	40-45 Unit/MT
Input Raw Material Size	20mm Max	20mm Max	20mm Max	20mm Max
Input Raw Material Moisture	10% Max	10% Max	10% Max	10% Max
Finish Briquette Size	90mm	70mm	60mm	40mm



BIOMASS BRIQUETTING PLANT (500 Kg/Hrs to 1800 Kgs/Hrs)

Effortlessly transform agricultural and forestry waste into high-quality, eco-friendly briquettes with the Biomass Briquetting Machine.

This powerful briquetting machine takes your biomass waste and converts it into a valuable, sustainable fuel source. Stop letting your valuable organic materials go to waste – turn them into a profitable new revenue stream with the Biomass Briquetting Machine.

Whether you're a **farmer, forester, or industrial operation**, this machine can revolutionize your waste management and give you a competitive edge. Streamline your operations, reduce disposal costs, and earn extra income by producing high-demand briquettes for residential, commercial, and industrial use.

Continuous operation with two heavy-duty load wheels.

- Forced lubrication system for longer bush life.
- Screw conveyor and vertical screws for consistent material feed.
- Taper die and high-pressure compression for dense, solid briquettes.
- Natural binder-free technology using the material's own lignin content.
- During Process lignin content in the raw material (Biomass) is transformed into liquid form & acts as a natural binder. Therefore, it is called the Binder less Technology.

The briquetting process typically involves several key steps: collection and preprocessing of raw materials, drying to reduce moisture content, grinding to achieve a uniform particle size, and finally, compressing the material under high pressure to form briquettes. The resulting briquettes are characterized by their high density, which enhances their combustion efficiency and makes them easier to transport and store.

This powerful briquetting machine takes your biomass waste and converts it into a valuable, sustainable fuel source. Stop letting your valuable organic materials go to waste – turn them into a profitable new revenue stream with the Biomass Briquetting Machine.



BIOMASS PELLET MACHINE - VERTICAL RING DIE TYPE

	X-560	X-780	X-850
Production Capacity	1500-2000 Kg/Hr	2000-3000 Kg/Hr	3000-4000 Kg/Hr
Output Production Capacity	1200-2000 Kg/Hr	2000 -3000 Kg/Hr	3000 -4000 Kg/Hr
Connected Electric Load	187HP	224 HP	345 HP
• Main Motor	• 180 HP	• 217 HP	• 334 HP
• Motor Cooling System	• 01 HP	• 0.1 HP	• 01 HP
• Motor Lubricating System	• 03 HP	• 03 HP	• 05 HP
• Motor Dust Collector	• 03 HP	• 03 HP	• 05 HP
Practical Elec Load (AMP)	160-200 Amp	200-250 Amp	300-350Amp
Electric Consumption	60-90 Unit/MT	90-120 Unit/MT	120-180Unit/MT
Input Raw Material Size	5mm Max	5mm Max	05mm Max
Input Raw Material Moisture	10% Max	10% Max	10% Max
Pallet Size	6mm/8mm/10mm	6mm/8mm/10mm	6mm/8mm/10mm



BIOMASS RING DIE PELLET MACHINE (1500-4000 Kg/Hr)

Revolutionize Your Biomass Production with the Cutting-Edge Ring Die Pellet Machine

Our Pellet Machine is engineered for the efficient transformation of Biomass into high-density fuel. This unit offers versatile output, Ring Die Type Pellet Technology enables production of 06mm/08mm/10mm Pellets with cost effective way, leveraging a design that includes 06mm/08mm/10mm Pellet size in a Ring Die for precise forming.

Designed for maximum efficiency and performance, this heavy-duty pellet machine is your gateway to unlocking the full potential of sustainable biomass fuels. Whether you're processing wood waste, crop residues, or chemical compounds, delivers unparalleled results thanks to its innovative Ring die design and powerful motor.

Seamless Material Feeding due to the state of the art Upward Feeding design.

High yield Pelletizing due to the Dual-layer Die.

The Pelleting process typically involves several key steps: collection and preprocessing of raw materials, drying to reduce moisture content, hammering to achieve a powdery form, and finally, compressing the material under high pressure to form Pellets. The resulting Pellets are characterized by their high density, which enhances their combustion efficiency and makes them easier to transport and store.

Biomass Pellets serve as a renewable energy source, offering a viable alternative to fossil fuels. They can be used in various applications, including heating, cooking, and electricity generation. Additionally, the use of biomass pellets helps reduce greenhouse gas emissions and reliance on non-renewable energy sources, promoting environmental sustainability.

The market for biomass pellets is expanding, driven by increasing demand for clean energy solutions and the need for waste management strategies. As industries and households seek to reduce their carbon footprint, biomass pellets present an opportunity for both economic growth and environmental stewardship.



BIOMASS HAMMER MILL WITH CYCLONE & BLOWER

	HM1000	HM1520	HM2530
Production Capacity	800-1000 Kg/Hr	1500-2000 Kg/Hr	2500-3000 Kg/Hr
Connected Electric Load	36 HP	70 HP	120 HP
Finished Raw Material Size	5mm-15mm	5mm-15mm	5mm-15mm



BIOMASS HAMMER MILL

Efficient Biomass Size Reduction with the Hammer Mill

Efficient Biomass Size Reduction with the Hammer Mill

Transforming large, uneven biomass into a consistent, smaller size is essential for optimal briquetting performance, and the Biomass Hammer Mill is designed precisely for this task. By finely hammering raw materials, it delivers uniform-sized biomass that feeds seamlessly into your briquetting machine, ensuring better fuel quality and energy efficiency.

Why Size Matters in Biomass Processing

Many types of agricultural residues—such as cotton stalks, sugarcane leaves, soybean stalks, and thin wood or veneer waste—often come in bulky, irregular sizes. These large pieces aren't suitable for direct use in briquetting machines, which require feedstock sized between 10 mm and 15 mm for smooth operation and consistent output.

The Biomass Hammer Mill solves this problem by efficiently reducing these materials to the desired dimensions, tailoring the output size to your exact needs with interchangeable bottom screens.

How It Works

Material Feeding: A screw conveyor steadily feeds raw biomass into the hammering chamber.

- **Precision Hammering:** Multiple rapidly rotating hammer rods crush the biomass, breaking it down thoroughly.
 - **Screening & Size Control:** The material passes through a bottom screen that can be swapped to match your target particle size.
 - **Clean Discharge:** A blower and cyclone system effectively handle the collection and discharge of the processed biomass, maintaining airflow and preventing dust build-up.
- Benefits at a Glance



BIOMASS DRYER (FLASH TYPE) - FD1500

Output Production Capacity	1000 - 1500 Kg/Hr. *	Practical Electric Load in Amp	80-100 Amp
Connected Electric Load	37 HP	Electric Consumption	35-40 Unit/MT
• Blower Motor	• 25 HP 3 Phase	Input Raw Material Size	20mm Max
• Rotary Airlock Valve	• 02 HP 3 Phase	Input Raw Material Moisture	30%Max
• Screw Conveyor Input Motor	• 03 HP 3 Phase	Output Raw Material Moisture	10% or Below
• Screw Conveyor Output Motor	• 03 HP 3 Phase	Water Evaporation Capacity	400 Kg/Hr
• Separator Motor	• 02 HP 3 Phase	Fuel in Furness	Solid Coal/Briquettes
• Rotary Airlock Valve Motor	• 02 HP 3 Phase	System Pressure Type	Negative Suction



BIOMASS DRYER (FLASH TYPE) - FD1500

Efficient Biomass Drying with Flash Dryer Technology

The **Biomass Flash Dryer** is designed to rapidly and efficiently reduce the moisture content of biomass materials such as sawdust, bamboo dust, sugarcane bagasse, and other fine agricultural or forestry residues. The system combines wet biomass with a controlled stream of hot air to produce uniformly dried material suitable for further processing.

Working Principle

Wet biomass is continuously fed into the system through a screw conveyor, where it comes into direct contact with hot air generated by an external furnace. The high-velocity airflow carries the material through specially designed drying ducts at a controlled operating temperature.

An **Induced Draft (ID) fan** creates negative pressure throughout the system, ensuring continuous airflow and smooth material movement. During the short, controlled residence time, rapid heat transfer and the large exposed surface area of the fine biomass particles enable moisture to evaporate efficiently.

The resulting water vapour and exhaust gases are drawn towards the bag filter or chimney through the ID fan. The dried biomass is separated from the airflow inside the cyclone separator, settles at the bottom, and is continuously discharged through a **Rotary Airlock Valve (RAV)**.

Efficient and Reliable Biomass Drying

It provides a reliable and cost-effective solution for preparing biomass feedstock for **briquetting, pelletizing, combustion**, and other industrial applications.



BIOMASS ROTARY DRYER – RD2000

Input Raw Material	Any Biomass/Agro Waste
Input Raw Material Feed Rate	2600 Kg/Hr
Input Raw Material Moisture	%30 – 35%
Output Raw Material Moisture	%10 - 12%
Output Raw Material Capacity	1800 - 2000 Kg/Hr.
Drying Inlet Temperature	400 – 450 C

FLUIDIZED BED HOT AIR GENERATOR

Fluidized Fired Hot Air Generator	5,00,000 Kcal/Hr
HAG – FD Blower	02 HP 3 Phase
HAG - Insulation	50mm Glass Wood & GI
HAG – Bricks Works	IS 6 (Insulated Bricks)
Inter connecting ducting	MS



BIOMASS DRYER (ROTARY DRUM TYPE) - RD2000

Efficient Biomass Drying with Rotary Dryer Technology

A **Rotary Dryer** is an industrial drying system designed to reduce the moisture content of bulk materials. The material is continuously tumbled inside a rotating, slightly inclined cylindrical drum and exposed to a controlled flow of hot air or gas.

Rotary dryers are designed for high-capacity, continuous operation and can process a wide variety of biomass, agricultural, and industrial materials. They are particularly suitable for preparing biomass feedstock for **briquetting, pelletizing, combustion**, and other downstream applications.

Working Principle

Wet material is continuously fed into the upper end of the inclined rotating drum. As the drum rotates, specially designed internal flights or lifters raise the material and shower it through the hot-air stream. The controlled temperature, airflow, enable moisture to evaporate efficiently from the material.

Hot air or gas may be supplied through a **Hot Air Generator** arrangement. The evaporated moisture is carried away with the exhaust airflow, while the dried material gradually moves along the length of the drum and is discharged from its lower end.

Applications

The Rotary Dryer can be used for drying, Sawdust and wood dust, Wood chips and forestry residues, Sugarcane bagasse, Agricultural waste, Coconut powder and coir waste, Wet biomass cakes, Silica sand, Bauxite, Clay, Coke, Minerals and other bulk materials



WOOD DUST MACHINE - WD1500

Production Capacity	1500 Kg/Hr *
Output Capacity	1500 Kg/Hr *
Raw- material Input size	up to 8 inch diameter & long size
Output Material	5-8 mm */ Powdery form
Raw Material Feeding	Manually through Double Roller
Connected Electric Load	62 HP 3 Phase
Main Motor	60 HP 3 Phase
Feeding Belt	02 HP 3 Phase



WOOD DUST MACHINE - WD1500

Effortlessly transform your organic waste into valuable biomass with the powerful WOOD DUST MACHINE - WD1500

The **Wood Dust Machine** is a robust, high-performance machine designed to reduce bulky wood and agricultural residues into uniform, manageable chips/Powder. It is suitable for biomass-processing plants, forestry operations, sawmills, agricultural facilities, paper mills, and renewable-energy projects requiring consistent feedstock preparation.

The machine can process green or dry wood, branches, logs, slabs, wood offcuts, crop stalks, and selected agricultural residues. By converting irregular raw materials into evenly sized chips/Powder, it improves material handling, drying efficiency, storage, transportation, and the performance of downstream equipment.

Processed biomass chips/powder can be used as fuel or supplied to **Briquetting machines, Pellet plants, Dryers, Hammer mills, Boilers**, and other biomass-processing systems.

Working Principle

Raw material is placed on the feeding conveyor and continuously transferred towards the machine's inlet. A heavy-duty roller feeding system grips and compresses the material while maintaining a controlled and uniform feed rate.

The material then enters the cutting chamber, where a rotating drum fitted with durable cutting knives or carbide cutting tools reduces it into chips. The combination of drum speed, feeding rate, knife configuration, and screen or discharge arrangement determines the approximate size and consistency of the finished material.



WOOD CHIPPER MACHINE - WC1500

Production Capacity	2000 Kg/Hr
Connected Electric Load	50 HP
Finished Material Size	5-8mm Powdery From



WOOD CHIPPER MACHINE - WC1500

Effortlessly transform your organic waste into valuable biomass with the powerful WOOD CHIPPER MACHINE - WC1500

The Wood Chipper Machine is used to reduce wood logs, branches, timber offcuts, and suitable wood waste into smaller, manageable chips. It provides an important first stage of raw material preparation in biomass processing, helping make bulky wood easier to handle, transport, store, and process.

In biomass briquetting and pellet production lines, wood chipping prepares the feedstock for subsequent size reduction and drying. Depending on the required final particle size, the chips may need further processing through a hammer mill or grinder before entering the briquetting or pellet machine.

Working Principle

Wood is introduced through the feeding inlet and directed toward a rotating cutting assembly. The cutting blades shear the wood against a stationary counter knife or anvil to produce chips. The chips then discharge through an outlet for collection or transfer to downstream equipment. Feeding arrangements, cutting mechanisms, and discharge systems vary according to the machine design.

Suitable Raw Materials

Untreated wood logs, tree branches, sawmill offcuts, timber trimmings, and other compatible clean wood residues. Material suitability depends on the machine's feed opening, cutting capacity, and feeding arrangement. Feedstock should be free from metal, stones, and other foreign objects.

Applications

- Raw material preparation for biomass briquetting and pellet plants.
- Wood chip production for compatible biomass boilers and heating systems.
- Processing of sawmill and timber industry residues.
- Forestry and tree maintenance waste reduction.
- Wood recycling and volume reduction.



BIOMASS SHREDDER (DOUBLE SHAFT-TEETH TYPE) - BS1500

Production Capacity	1500 Kg/Hr
Connected Electric Load	60 HP
Output Size	10mm to 50mm



BIOMASS SHREDDER (DOUBLE SHAFT-TEETH TYPE) - BS1500

Effortlessly transform your organic waste into valuable biomass with the powerful BIOMASS SHREDDER MACHINE - BS1500

A Biomass Shredder (Double Shaft – Teeth Type) is a heavy-duty size-reduction machine designed to shred bulky biomass and agricultural residues into smaller, manageable pieces for further processing. It uses two counter-rotating shafts fitted with toothed cutters that grip, tear and shear the feed material. Its low-speed, high-torque operation makes it suitable for handling tough, fibrous and irregular biomass.

The shredder can be used as a primary processing machine in biomass briquetting plants, pellet production lines, composting facilities and biomass fuel preparation systems. By reducing the bulk of incoming material, it helps simplify conveying, storage and downstream grinding.

Working Principle

Biomass enters through the feeding hopper and moves into the shredding chamber. The teeth on the rotating cutters grip the material and pull it between the two shafts. As the shafts rotate in opposite directions, the cutters apply tearing and shearing forces, breaking the material into smaller pieces.

The shredded material discharges from the bottom of the chamber and can be collected or transferred by conveyor to the next processing stage. Depending on the machine configuration, overload protection and automatic reversal can help release jammed material and protect the drive system.

Suitable Raw Materials

- Depending on cutter design, drive power and feeding arrangement, the machine may process:
- Crop stalks, straw and other agricultural residues.
- Sugarcane trash and bagasse.
- Coconut husk and other fibrous biomass.
- Tree branches, pruning waste and wood off cuts.
- Bamboo residues and similar tough plant materials.
- Selected clean wooden pallets, subject to machine specifications and contamination controls.



BIOMASS AUTO FEEDER- AF4550

Feeding Capacity	4500-5000 kgs/Hour
Feeding System	Uniform and Controlled Material Discharge
Application	Biomass Pellet Plant Briquette Plant & Material Handling
Suitable Materials	Sawdust, Wood Waste, Agro waste, Biomass and Similar Materials

ELECTRICAL & AUTOMATION

Total Electric Load	09 HP
• Electric Motor - Main Motor	• 03 HP
• Electric Motor - Screw Conveyor	• 03 HP
• Electric Motor - Main Roller Cutter	• 03 HP



BIOMASS AUTO FEEDER - AF4550

Effortlessly transform your organic waste into valuable biomass with the powerful BIOMASS AUTO FEEDER - AF4550

The **Biomass Auto Feeder** is designed to provide continuous, controlled, and efficient feeding of biomass raw materials into **Briquetting machines, Pellet mills, , Dryers, Hammer mills**, and other biomass-processing equipment.

By maintaining a uniform and consistent material flow, the system reduces manual handling, minimizes interruptions, and improves the overall productivity of the processing line. Its robust construction and dependable drive mechanism make it suitable for demanding industrial applications and long-term continuous operation.

The feeder can handle a wide range of processed biomass materials, including sawdust, wood chips, agricultural residues, shredded biomass, and other free-flowing raw materials.

Key Features

- Feeding capacity of up to **5000 Kg/Hour**
- Continuous and uniform biomass feeding
- Controlled material flow for stable production
- Reduces manpower and manual material handling
- Helps minimize production interruptions

Integration with Biomass Plants

The Biomass Auto Feeder can be integrated with storage hoppers, belt conveyors, screw conveyors, hammer mills, dryers, pellet mills, briquetting machines, and control panels.



VENEER WASTE CHIPPER MACHINE

MODEL	VC-2030	VC-5060
Production Capacity	2000 - 3000 Kg/Hr	5000 - 6000 Kg/Hr
Output Capacity	2000 Kg/Hr	5000 Kg/Hr
Input - Raw- material size		
Output - Raw Material size		
Connected Electric Load	70 HP	115 HP
Main Motor		
Feeding Belt		



veneer waste chipper machine

Effortlessly transform your veneer waste into valuable material with
the powerful veneer waste machine

The **Veneer Waste Chipper** is a heavy-duty industrial machine specially designed to process veneer sheets, veneer trimmings, plywood offcuts, and other thin wood residues. It provides an efficient solution for **veneer manufacturers, plywood plants, furniture manufacturers, wood-processing units, and waste-management operators** seeking to recover value from production waste.

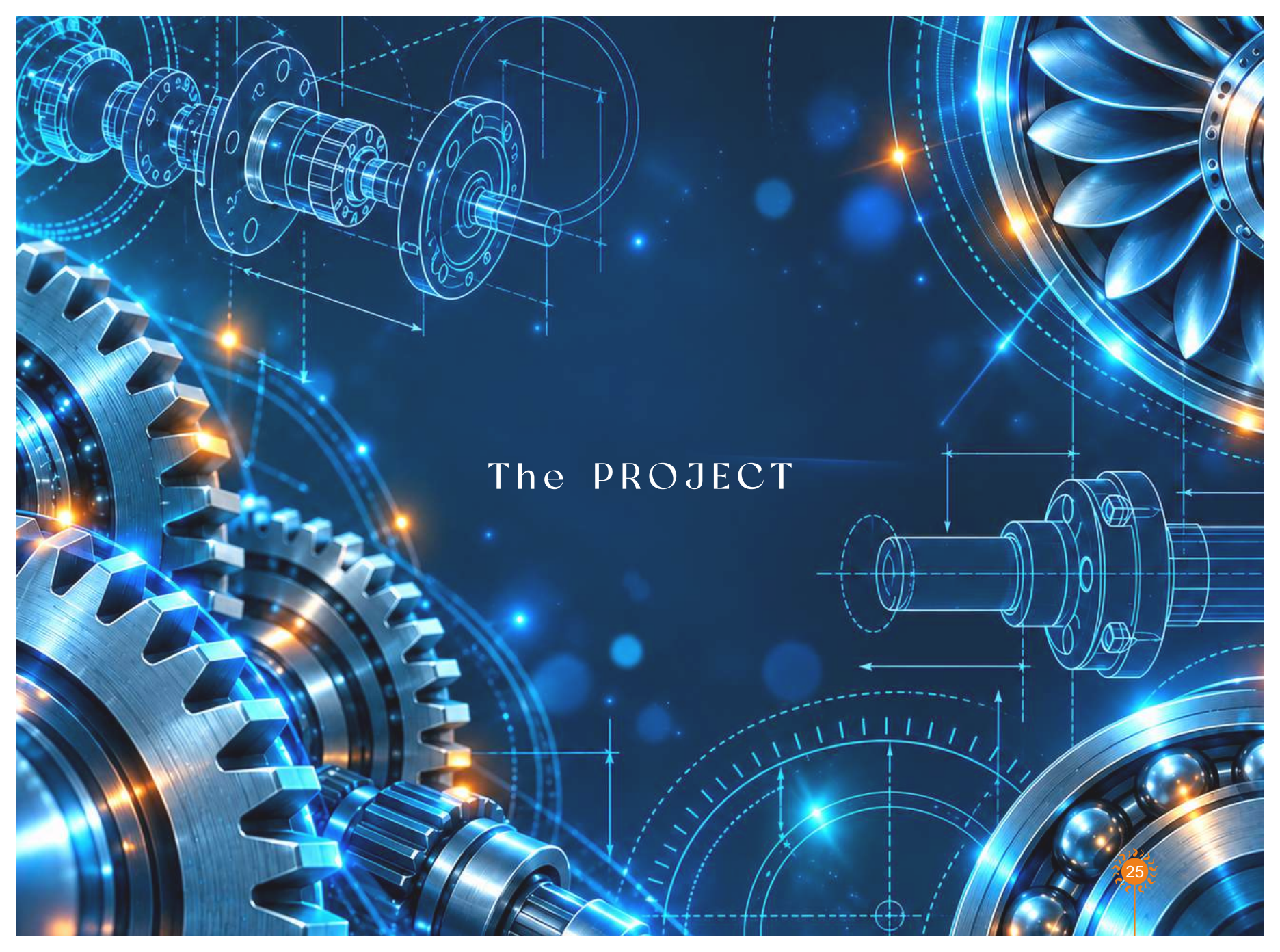
Instead of allowing bulky veneer residues to occupy valuable storage space or create disposal problems, the machine converts them into uniformly sized chips or flakes. The processed material is easier to handle, store, transport, dry, grind, and reuse in biomass-energy or wood-recycling applications.

By transforming veneer waste into valuable feedstock, the Veneer Waste Chipper helps reduce waste-disposal costs, improve plant cleanliness, increase productivity, and promote sustainable resource utilization.

The Veneer Waste Chipper can be configured to process:

- Veneer-sheet trimmings
- Veneer clipping waste
- Rejected or damaged veneer sheets
- Plywood edge trimmings
- Thin plywood offcuts
- Wood laminates
- Decorative veneer residues
- Furniture-manufacturing waste





The PROJECT



THE COMPLETE KNOW HOW

Revolutionize your energy needs with the **BRIQUETTING / PELLET MACHINE** – the ultimate solution for turning agricultural waste into clean, renewable fuel.

- Convert biomass waste into high-density Briquettes/Bio-coal/Pellet
- Maximize energy potential from non-conventional sources
- Produce a homogeneous, uniform fuel source
- Convenient and easy to use

In the face of dwindling fossil fuel reserves and skyrocketing energy demands, the **BRIQUETTING MACHINE** offers a game-changing alternative. This innovative machine transforms agricultural and forestry waste into a dense, uniform biofuel that burns cleanly and efficiently.

By harnessing the untapped energy potential in biomass, the **BRIQUETTING MACHINE, VERTICAL RING DIE PELLET MACHINE**, empowers you to take control of your energy needs. Whether you're a small business, a farm, or a large industrial facility, this machine can help you reduce your reliance on costly and polluting fossil fuels.

Experience the power of renewable energy and enjoy the peace of mind that comes with a sustainable, environmentally-friendly fuel source.

Raw-Material Preparation

Correct raw-material preparation is essential for efficient briquetting, stable machine performance, and consistent briquette quality.

Moisture Content

For many briquetting / Pellet applications, the recommended biomass moisture content is generally below approximately 10–12%, depending on the feedstock and machine configuration.

Material containing excessive moisture may require drying through a Flash Dryer or Rotary Drum Dryer before Briquetting / Pelleting.

Material Size

For efficient feeding and compression, oversized biomass should be reduced to a suitable particle size. Material larger than approximately 20 mm may require pre-processing through a:

Hammer mill	Wood-dust machine	Wood Chipper machine
Biomass shredder	Cutter or crusher	Veneer-waste chipper

MAJOR AGRO-WASTE AVAILABLE IN INDIA & AROUND THE GLOBE

A wide range of agricultural and forestry residues may be suitable for briquetting, including:



Bamboo Dust



Betal Nut Shell



Castor Seed Shell



Coconut Shells &
Coir West



Cofee Husk



Coir Pitch



Cotton Stalks



Groundnut Shells



Jute Waste



Maize nad Corn
Residues



Mutard Stalks



Paper & Cardboard
Residues



Peddy Straw



Rice Husk



Sasdust &
Wood Dust



Soyabean Husk



Sugarcane
Bagasse



Tea Waste



Tobacco Waste



Veneer &
Plywood Waste



Wood Chips &
Forestry Residues

Energy at Work: Harnessing Earth's Renewable Resources

Briquettes / Pellets are ready substitute of Lignite / Coal / Wood in thermal applications & replaces costly liquid fuels like FO, Diesel, LDO, Kerosene etc. Use of Briquettes / Pellets as a fuel for green energy has shown very promising results.

Use of Finished Briquettes / Pellets in various Industries (Thermal Applications)

Gasifier System	Ceramic Industries	Refractory Industries
Solvent Extraction Plant	Chemical Industries	Dyeing Units
Textile Unit	Spinning Mill	Lamination Ind
Leather Industries	Brick Making Units	Rubber Industries
Industrial boilers	Thermic-fluid heaters	Steam-generation systems
Paper and board industries	Plywood & lamination industries	Hot-air generators



Fuel the Future: Renewable Energy Powered by Biomass Briquetting / Pellet Machine.

Government Incentives and Finance

Biomass and renewable-energy projects may qualify for certain incentives, depreciation benefits, subsidies, financing programmes, or other support under prevailing government policies.

However, eligibility varies according to the project type, location, ownership structure, financial year, lender requirements, and applicable central or state regulations. Environmental consent or authorization requirements may also differ by location and plant configuration.



The GENUINE SPARES



GENUINE SPARES - BIOMASS BRIQUETTING MACHINE

Is **DOWNTIME** costing you thousands?

Extend the lifespan of your Biomass Briquetting Plant with our premium spare parts.

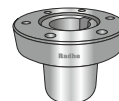
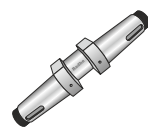
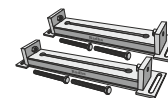
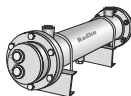
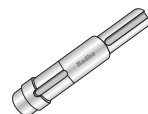
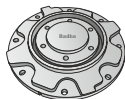
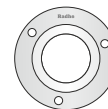
Whether you're processing abrasive raw materials or running your plant around the clock, these parts will keep your operation running like new.

- Made from durable, high-quality alloy materials
- Engineered to withstand the rigors of continuous use
- Designed to perform perfectly with your specific equipment
- Helps minimize costly downtime and maintenance

Our genuine spare parts are engineered to the exact specifications of your Biomass Briquetting Plant.

Crafted from top-tier materials, they'll keep your operations running smoothly for longer, even with challenging raw materials.

“**Stop wasting time and money** on inferior replacements – invest in the **quality you can count** on from Radhe Engineering Co.”





GENUINE SPARES - BIOMASS PELLET MACHINE

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VERTICAL RING DIE PELLET SPARE





Radhe
ENGINEERING CO.

📍 D-111, Rajdoot Industrial Estate,
5 - Umakant Udhyog Nagar,
Nr. Ashok Garden,
Rajkot-360 004. Gujarat-India.

🏠 Plot No.-5, Survey No.-58/1/2p1,
National Highway-27,
At - Bhojpara, Taluka - Gondal,
District - Rajkot-360 311, Gujarat-India.

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