

**SINCE
1991**

Your Partner in **RENEWABLE ENERGY** Solutions

Successfully Running in all over World

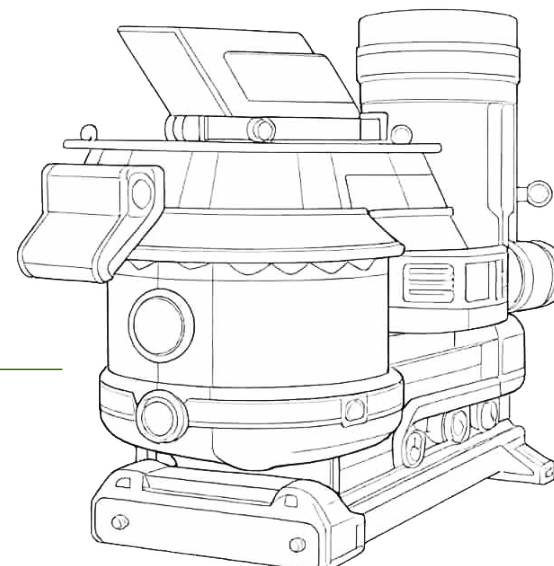


Explore our innovative solutions and join us in creating a sustainable future with advanced biomass technology. Together, let's build a greener tomorrow.



RADHE INDUSTRIAL CORPORATION LLP

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BIOMASS PALLETS PRODUCTION MACHINERY

RADHE
INDUSTRIAL CORPORATION



ABOUT US

Radhe Industrial Corporation LLP Pioneers in Biomass Machinery Since 1991

Welcome to Radhe Industrial Corporation LLP, a trusted name in the biomass machinery industry since 1991. With over three decades of innovation and excellence, we have established a stellar reputation, both in India and abroad, as pioneers in manufacturing advanced biomass solutions. Our journey began with the introduction of Biomass Briquetting Machines, and today, we proudly present our newest innovation: the Biomass Pellet Machine.

Company Legacy & Expertise

- Established: 1991
- First Product: Biomass Briquetting Machine, with over 1,800 installations globally.
- Current Focus: Biomass Pellet Machines, launching in 2024.
- Facilities: A state-of-the-art in-house workshop equipped with advanced technical machinery.
- R&D Excellence: Our dedicated R&D centre, Pioneer Fuel, has been operational for 28 years, driving continuous innovation and development.

Why Choose Radhe Industrial Corporation LLP?

- **Legacy of Trust** : Over 30 years of industry leadership.
- **Global Reach** : Over 1,800 successful installations across India and international markets.
- **State-of-the-Art Infrastructure** : Advanced in-house manufacturing facilities.
- **Dedicated R&D** : Continuous innovation through *Pioneer Fuels*.
- **Customized Solutions** : Machines tailored to handle diverse agricultural biomass waste.
- **Energy Efficiency** : High production capacity with optimized power consumption.

We offer BIOMASS PELLETS Manufacturing Machinery & Equipments

1) Automatic Feeder Machine:

The primary function of the Automatic Feeder Machine is to provide a consistent and steady flow of biomass materials (such as sawdust, wood chips, straw, etc.) into the Hammer Mill Machine. This ensures that the pelletization process remains uninterrupted. The feeder controls and harmonizes the raw material flow, improving the efficiency of pellet production and preventing variations in material input.

2) Hammer Mill Machine:

The Hammer Mill Machine is crucial for preparing raw biomass materials for the pelletization process. Its main function is to reduce the size of the biomass by grinding it into smaller, more uniform particles. This size reduction ensures smooth feeding of the material into the Pellet Mill Machine, preventing jamming and improving overall production efficiency and the quality of the pellets.

3) Vertical Ring Die Pellet Machine:

The Vertical Ring Die Pellet Machine (also known as a vertical pellet mill) is a key component in converting processed biomass material into pellets. Its primary function is to compress prepared biomass raw material (such as wood, straw, or agricultural waste) into dense, uniform pellets by friction pressing and passing it through a ring die. This advanced technology ensures the production of high-density, consistent-sized pellets. The vertical ring die design enhances ease of maintenance, energy efficiency, and reduces wear and tear on the machine.

4) Pellet Screener:

The Pellet Screener Machine ensures the quality and consistency of the final pellet product. After pellets are produced in the pellet mill, they pass through the screener to separate properly sized, high-quality pellets from oversized, undersized, or broken pellets. It removes pellet dust and fines, ensuring only pellets meeting size specifications and quality standards reach the end user.

5) Pellet Cooler With Packing Unit:

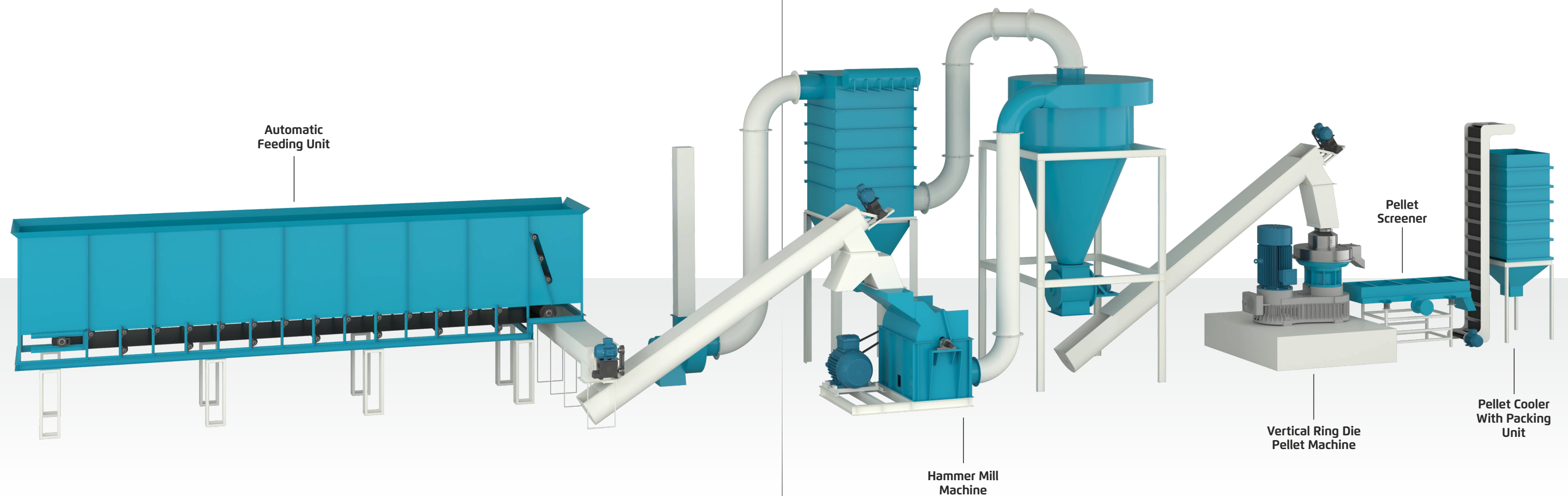
The Cooler cum Jumbo Bag Packing Unit serves two main functions: cooling freshly made pellets and packaging them into large bags (jumbo bags) for storage and transportation. After pelletizing, pellets are hot due to friction and pressure. The cooler ensures removal of excess heat from the freshly produced pellets by passing cool air, this leads to prevention of pellet deformation and also prevents moisture issues. After cooling, the unit efficiently packs the pellets into jumbo bags (bulk bags), which are large, flexible containers designed to hold substantial quantities of pellets, making them ideal for bulk storage and transportation.

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Automatic Biomass Pellets Production Line

BIOMASS PELLETS

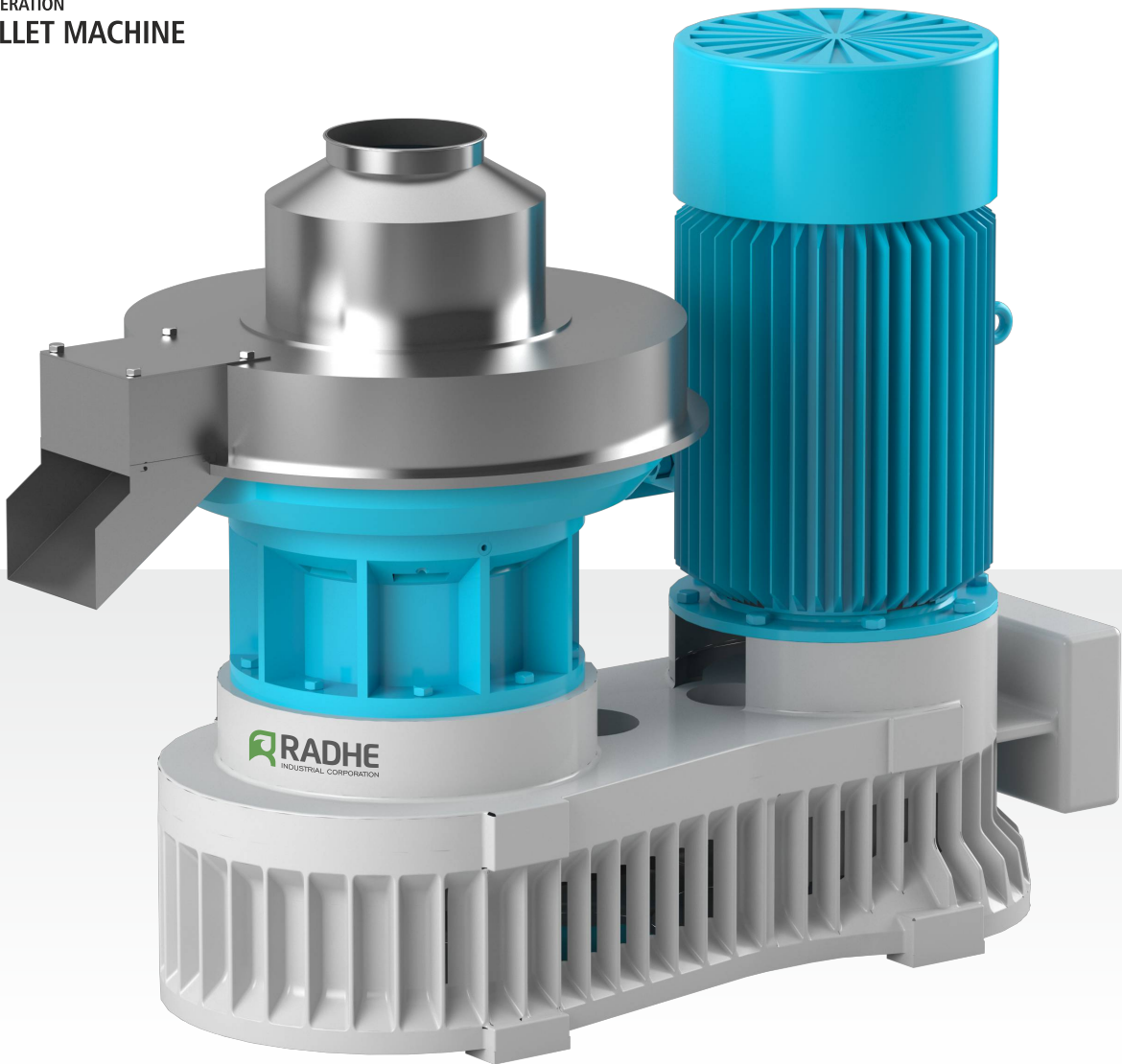
Sustainable energy source produced from organic waste materials, reducing pollution and promoting renewable energy.



Vertical Ring Die Pellet Machine

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LATEST
8th
GENERATION
PELLET MACHINE



TECHNICAL PARAMETERS PELLET MILL

MODEL	LOWER (KW)	CAPACITY (T/H)	PELLET SIZE (MM)	DIMENSIONS (MM)
RICO 460	55	0.6 - 0.8	06 to 12	1700*1000*1580
RICO 560 A	90	1.2 - 1.5	06 to 12	2240*1200*1650
RICO 560 B	110	1.4-1.7	06 to 12	2240*1200*1650
RICO 560 C	132	1.7-2.5	06 to 12	2480*1200*1800
RICO 700	160	2.5-3	06 to 12	2680*1300*2100
RICO 850 A	220	2.5-3.5	06 to 12	2630*1300*2200
RICO 850 B	250	4.0-5.0	06 to 12	2630*1300*2200

- **Input Raw Material** : Agricultural biomass waste
- **Raw Material Size** : Up to 8 mm
- **Moisture Requirement** : <12%
- **Output Pellet Sizes** : 6 mm, 8 mm, and 10 mm

Unique Advantages of Radhe Biomass Pellets Project

- **Latest 8th Generation Pellet Machine:** The 8th Gen Pellet Machine delivers superior production efficiency, exceptional pellet quality, and versatility in material handling, all while reducing electricity consumption and maintenance costs.
- **PLC-Controlled Electrical Panel:** Ensures efficient and precise operation with advanced programmable logic controls.
- **Dust-Free Design:** A carefully crafted plan for low maintenance, ensuring a clean and efficient operation.
- **Auto Sensor Storage:** Intelligent sensors for seamless material handling and storage.
- **Vibrating Screener:** Instead of normal acentric vibration we use Vibro motor technology, designed for long-lasting performance with low maintenance, ensuring consistent operation over time.
- **Easy to Maintain:** Quick and hassle-free replacement of wear-and-tear parts to minimize downtime.
- **Fully Automated Plant:** High-level automation to reduce manpower requirement and improves efficiency and productivity.
- **Multiple Pellet Machinery Setup:** Capable of accommodating multiple machines, enabling higher production with maximum efficiency at a better cost.