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### **Company Profile**

Planning and perseverance pave the road to success. At Radhe Group, we believe in working hard, taking the initiative, and embracing a love for work. With a spirit of conquest, a commitment to sharing innovative ideas, a focus on technological advancements, and a dedication to delivering exceptional customer service, we continue to grow and achieve excellence.

Since its inception in 1991, Radhe Group has established itself as a leader in the engineering field, specializing in the manufacturing of various types of machines. Operating under the banner "Radhe Equipments India," the company has achieved remarkable growth in the development and production of Fryums Machines.

In response to the growing demand for Fryums and Fryums Machines, the company is committed to manufacturing technologically advanced Fryums machines. These machines deliver superior quality in the world of snacks and Fryums by leveraging continuous research and development and state-of-the-art technology.

Radhe Equipments India is equipped with ultra-modern technology, advanced and hi-tech computerized machinery, and a highly experienced, harmonized team. Our team ensures rigorous quality control at every stage of production, from manufacturing and installation to after-sales service, ensuring customer satisfaction at every step. With a proven track record, Radhe Equipments India has successfully supplied Fryums Machine Plants to clients across India and internationally.

We take pride in our consistent growth over the years, built on a foundation of professional management, innovation, and complete transparency.

### Message from CMD

In 1991, with a small company but a big vision, a bold idea, and immense confidence, I began my journey in the machine manufacturing field.

Through relentless efforts since 1991, combined with constant and continuous hard work, and supported by strong research and development, we have successfully developed Fryums Machines. These machines have become the most successful models in the snack field. With practical expertise and positive marketing, we have achieved a high level of manufacturing standards, where 90% of our machine parts are produced with micron precision on ultra-modern computerized machinery.

At Radhe Equipments India, the flagship company of Radhe Group of Companies, we welcome you to a place where we have been industry leaders since 1991. On behalf of the company, I assure you that we operate with a foundation of ethical practices, excellent quality products, robust after-sales service, and complete dedication to our valued customers.

We are 100% committed to delivering everything we promise to our customers.

By installing numerous plants, we utilize our resources to their maximum potential. I would also like to emphasize that "we are not just selling machines; we are selling the entire concept of Fryums Machines."

We operate on the principle of "Customer Satisfaction with Excellent Quality Products."

We are strongly committed to our vision of "Delivering Quality through Technology and Innovation" by providing the best quality machines and offering strong support through our after-sales services.

Sincere Thanks,

**Prakash Patel** 

CMD

Radhe Group of Companies

### Infrastructure

Radhe Equipment India stays ahead in Fryums machine technology. The company is equipped with all necessary facilities for manufacturing top-quality Fryums Machines. Our production unit is strategically located and spans an area of around 30,000 square feet, including the following departments:

- Administrator Block
- CNC-VMC Department
- Machining Department
- Fabrication Department
- Assembly Department
- Stock Yard
- Wear & Tear Parts Store
- Boring Department
- VTL Machining Department
- Testing Department

We have a team of qualified and experienced engineers and skilled workers who diligently supervise the entire production process. They are committed to delivering orders within the scheduled time. Our well-equipped office setup, in-house production facilities for critical spares and parts, world-class machinery, and efficient tool room all contribute to ensuring customer satisfaction.

### **Manufacturing Excellence**

- At Radhe, quality in manufacturing is never compromised. Our world-class Quality Control Department ensures that every standard of quality is maintained using advanced machinery like CNC, VMC, and Boring machines, among others.
- Our Research & Development unit is constantly engaged in efforts to innovate with new ideas and leverage strong experience.
- Every department is monitored by the Production Director through cameras to maintain oversight.
- Each part is thoroughly checked and tested before being stored or used in the machines.
- The technical head prepares various reports for each department to ensure perfection and accuracy.
- Our two machine lines are running in our R&D plant, allowing us to prove quality standards. At this plant, we continuously perform research and development to improve the machines and maintain quality.
- Most importantly, due to computerized technology and advanced machinery, parts can be easily replaced during machine maintenance without any fitment issues.

### We have the following latest machines:

- CNC Machines
- 2. VMC Machines
- 3. VTL Machines
- 4. Boring Machines
- 5. Lathe Machines
- 6. Slotting Machines7. Shaping Machines
- 8. Planning Machines
- 9. Profile Cutting Machines
- 10. Rectifier & MIG Welding Machines
- 11. 100 mm Auto Drill Machines
- 12. Hydraulic Press Machines

### **Our Clients**

















































### MANUAL, SEMI & FULLY AUTOMATIC **FRYUMS & GOLD FINGER MAKING MACHINE**

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### **FRYUMS**









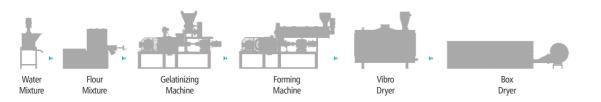


- $\ \, \text{Double process technology} \text{Gelatinizing \& Forming Extruder}.$
- Heavy duty machine No need of foundation.
- Using thrust technology for diverting back pressure load from gearbox.
- Heater less technology for natural cooking.
- VFD control electrical panel.
- Smart Die Switch attachment.
- Extruder approx. Weight: 5.5 Tons.

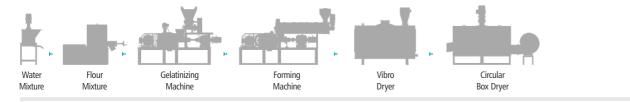
### Manual Line



### ▶ Semi Automatic Line



### Semi Circular Line



### ▶ Fully Automatic Line

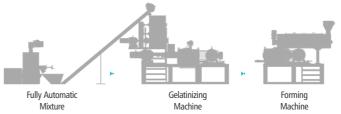




### 550 KG/HR **Fryums Making Machine**

- $\ \ Double \, process \, technology Gelatinizing \, \& \, Forming \, Extruder.$
- Heavy duty machine No need of foundation.
- Using thrust technology for diverting back pressure load from gearbox.
- Supporting heaters extruder temp.
- VFD control electrical panel.
- Smart Die Switch attachment.
- Automatic Flour Mixing Machine with fully programable control unit.
- Extruder approx. Weight: 11 Tons.

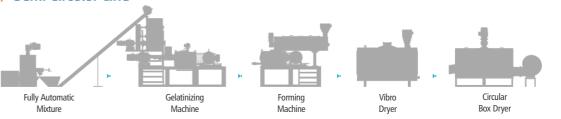
### Manual Line



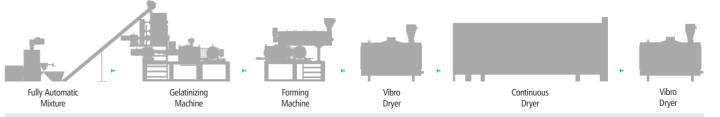
### ▶ Semi Automatic Line



### Semi Circular Line



### ▶ Fully Automatic Line



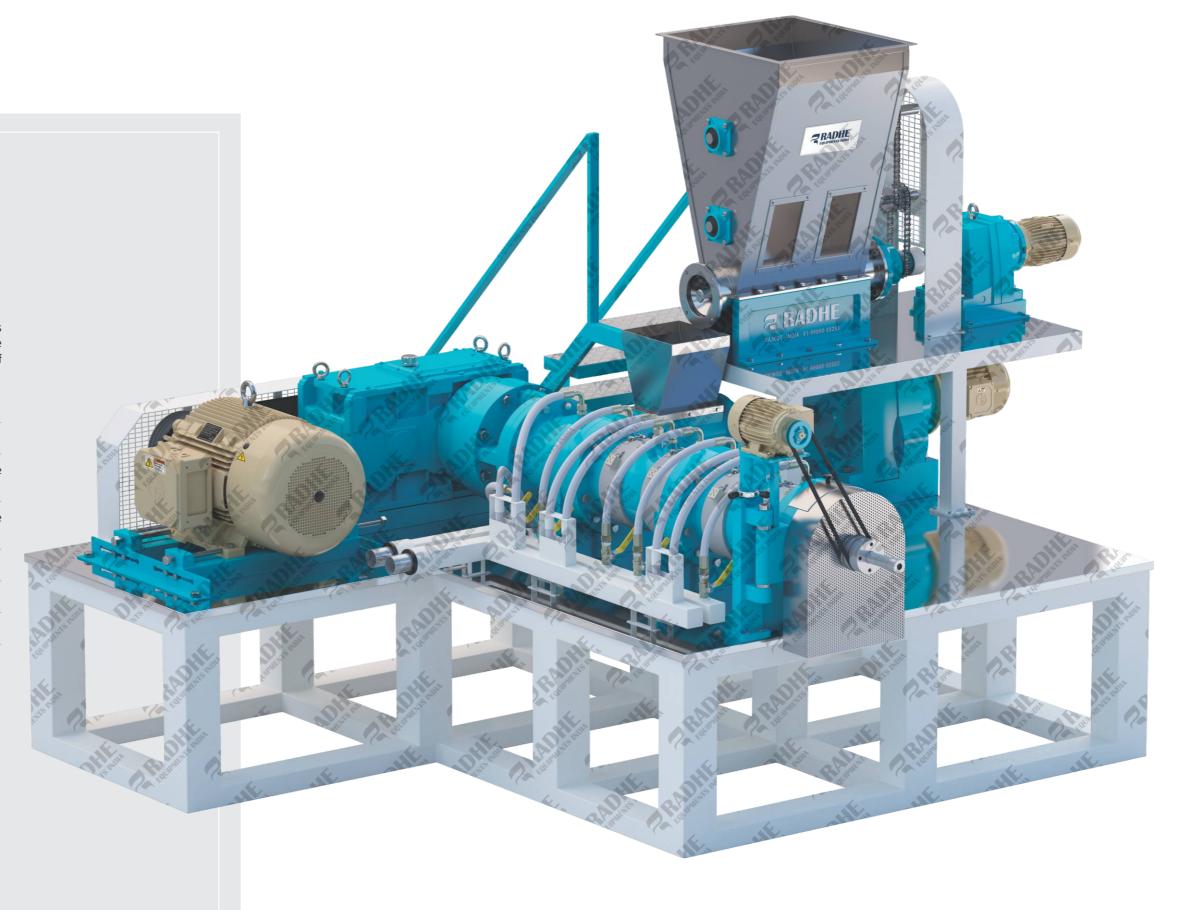


# RE-550G Gelatinizing Machine

The Gelatinization machine cooks the blended ingredients using a pre-set temperature in the barrel, ensuring that the material is completely and uniformly gelatinized. At the end of this process, the material is cut into small spherical shapes.

### **Technical Details:**

- 100 HP Electric Motor with Helical Gear Box 1440 RPM
- 10 HP Electric Motor with VFD Drive & Planetary Gear (Flange Mounted Motor)
- **-** 3 HP Electric Motor with VFD Drive & Planetary Gear (Flange Mounted Motor)
- 2 HP Electric Motor with VFD Drive for Cutter 1440 RPM
- 5 HP Electric Motor for Blower 2800 RPM
- Production Capacity: 500 to 550 Kg/Hr.



550 KG/HR Fryums Gelatinizing Machine

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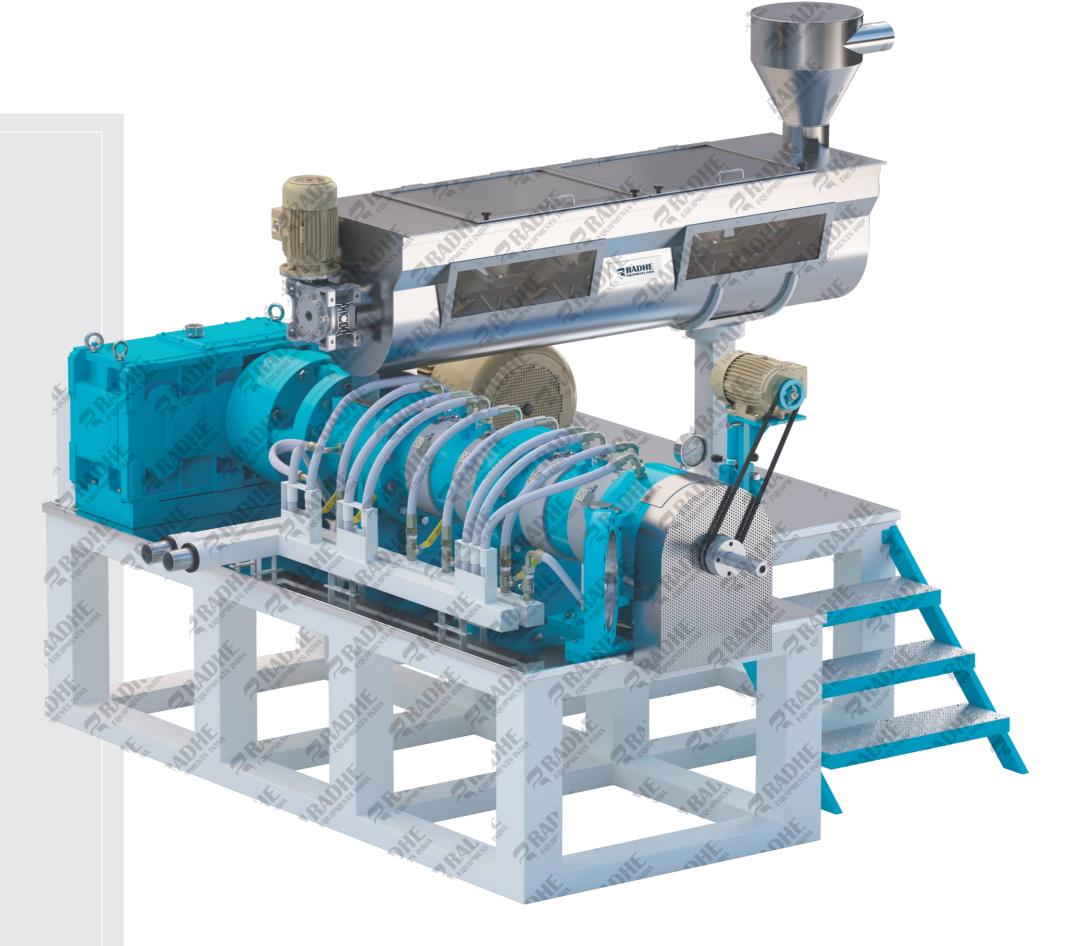


## RE-550F Forming Machine

In the Forming Machine, the semi-cooked, sphere-shaped dough is partially dehydrated and cooled. The compression screw pushes the material through a cold-water-jacketed barrel toward a specific die, where it takes the required shape.

### Technical Details:

- 75 HP Electric Motor with Helical Gear Box & VFD Drive 1440 RPM
- 2 HP Electric Motor for Conveyor (Flange Mounted Motor)
- 2 HP Electric Motor with VFD Drive for Cutter 1440 RPM
- 5 HP Electric Motor for Blower 2800 RPM
- Production Capacity: 500 to 550 Kg/Hr.



550 KG/HR Fryums Forming Machine

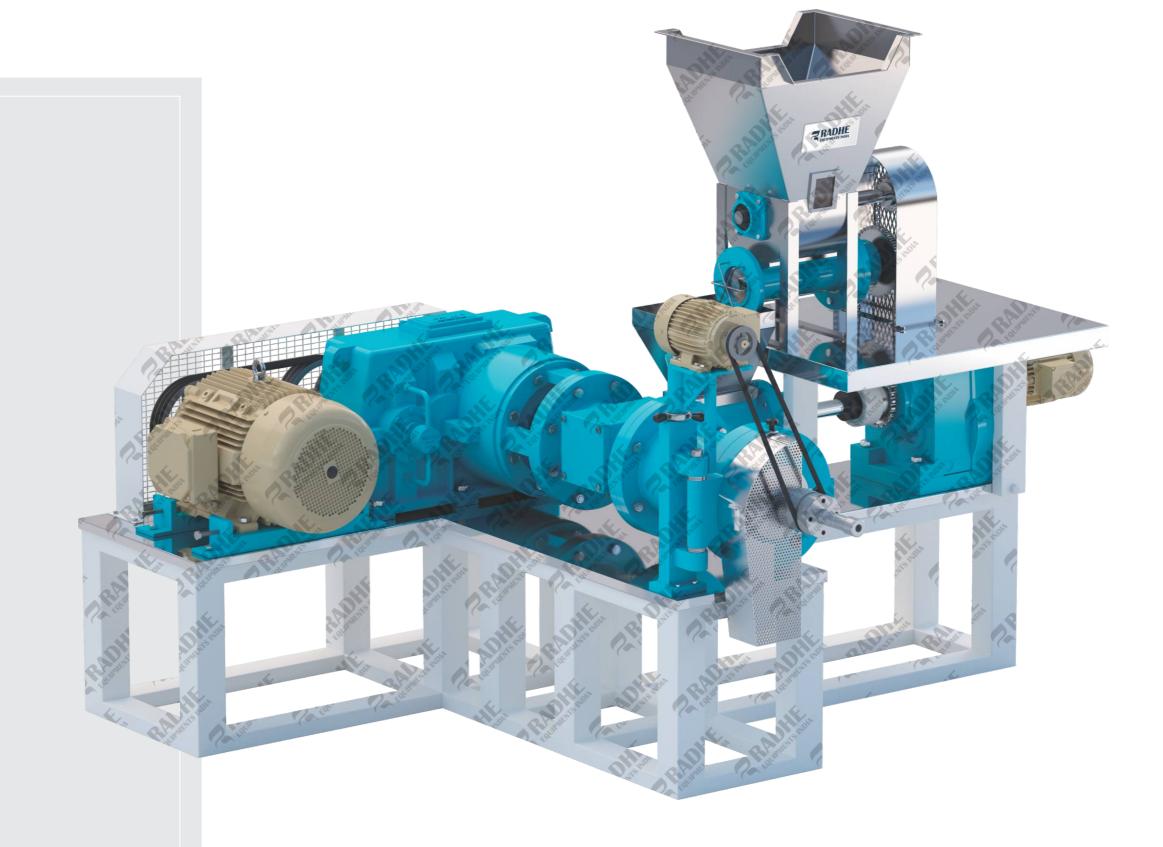


# RE-250G Gelatinizing Machine

The Gelatinizing Machine cooks the blended ingredients using a pre-set temperature condition in the barrel, ensuring complete and uniform gelatinization. At the end of this process, the material is cut into small spherical shapes.

### Technical Details:

- 40 HP Electric Motor with Helical Gear Box 1440 RPM
- 5 HP Electric Motor with VFD Drive & Planetary Gear (Flange Mounted Motor)
- 2 HP Electric Motor with VFD Drive for Cutter 1440 RPM
- 2 HP Electric Motor for Blower 2800 RPM
- Production Capacity: 200 to 250 Kgs./Hr.



250 KG/HR Fryums Gelatinizing Machine

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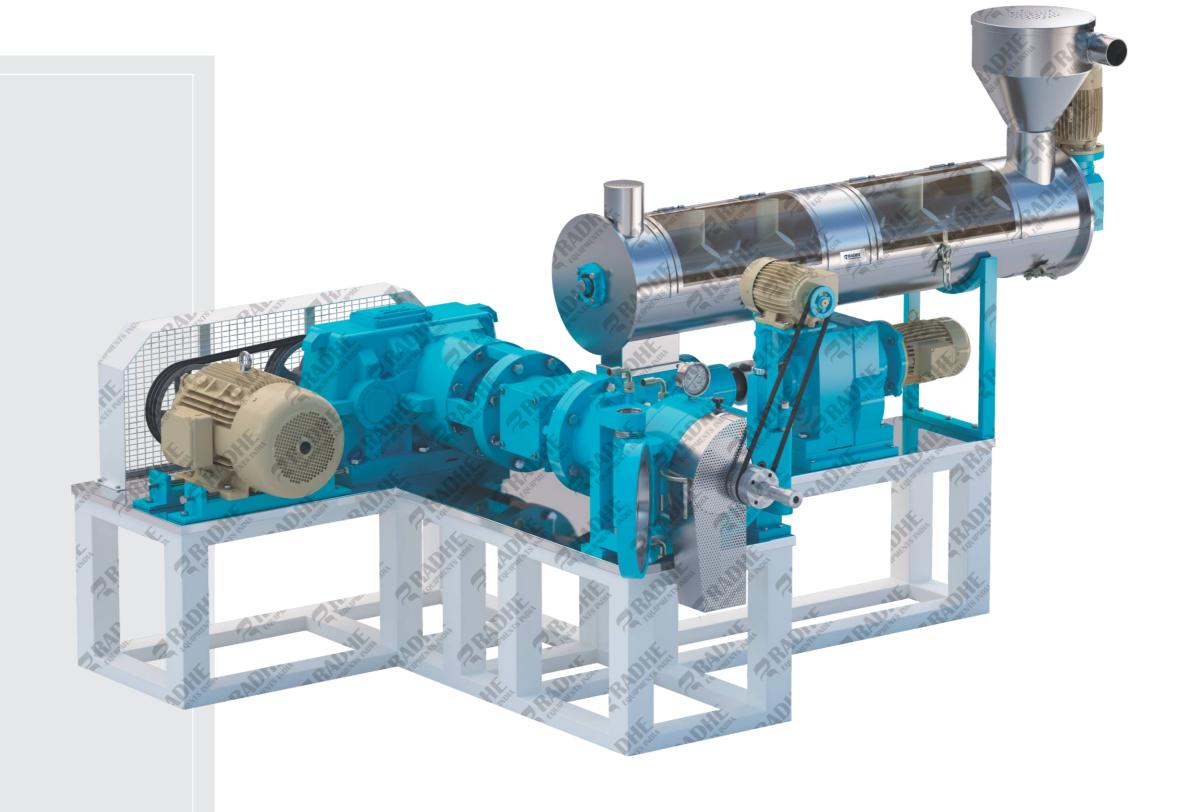


### RE-250F Forming Machine

In the Forming Machine, the semi-cooked, sphere-shaped dough is partially dehydrated and cooled. The compression screw pushes the material through a cold-water-jacketed barrel toward a specific die, where it takes the desired shape.

#### Technical Details:

- 30 HP Electric Motor (Main Motor) with Helical Gear & VFD Drive—1440 RPM
- 5 HP Electric Motor with VFD Drive & Planetary Gear (Flange Mounted Motor)
- 2 HP Electric Motor for Conveyor (Flange Mounted Motor)
- 2 HP Electric Motor with VFD Drive for Cutter 1440 RPM
- 1.5 HP Electric Motor for Blower 2800 RPM
- Production Capacity: 200 to 250 Kg/Hr.



250 KG/HR Fryums Forming Machine





# **RE-GFM**Gold Finger Making Machine

The Gold Finger Machines are sturdy and designed for efficient production of Gold Finger Snacks. They feature variable speed adjustments to accommodate variations in material density and size.

#### **Technical Details:**

- 30 HP Electric Motor (Main Motor) with Planetary or Helical Gearbox & VFD Drive 1440 RPM
- 2 HP Electric Motor for Hopper with Planetary Gearbox & VFD Drive 1440 RPM
- Conveyer Belt System with 1 HP VFD Drive Motor 1440 RPM
- Conveyer Rollers with 1 HP VFD Drive Motor 1440 RPM
- Cutter Machine with Cross Cutting Attachment 1 HP Motor -1440 RPM
- 2 HP Electric Motor with Blower 2800 RPM
- VFD Control Panel Board for Main Machine
- VFD Control Panel Board for Cutter & Belt System
- Production Capacity: 125 to 150 Kg/Hr.
- Designed based on Italian technology
- Using thrust technology for diverting back pressure load from gearbox



### PRE DRYER 8 Deck Vibro Dryer

The Vibro Deck Dryer helps to dry the output material from the forming section, cooling it down to nearly room temperature. It is installed after the formation of Fryums in the forming section.

#### Technical Details:

- Vibro Motors used for maintenance free technology
- Optional : Heating attachment
- 8 Pass Vibro Drying System
- 1.5 HP Vibro Motor (4 Nos.)
- VFD Drive Control Panel Board.
- 3 HP Blower with Motor.



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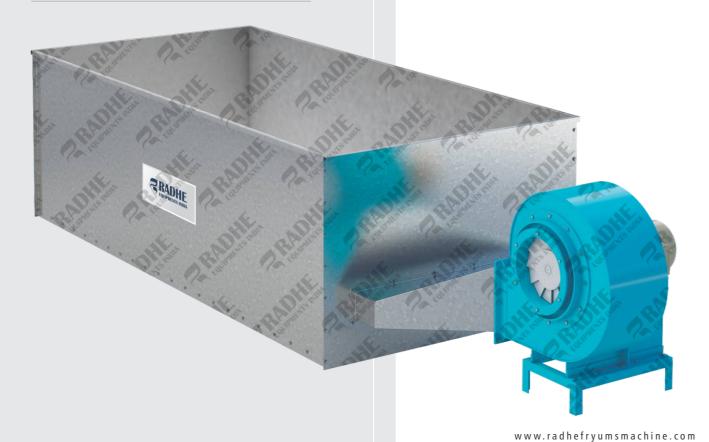


## **DRYER Box Type Dryer**

The Box Dryer re-heats the output material from the 8 Deck Vibro Dryer and reduces moisture. The materials must be rotated manually at fixed intervals from the bottom of the dryer.

#### **Technical Details:**

- Average Rotation Cycle 15 to 30 Mins
- 1 Mtr x 2.5 Mtr Box Type Dryer with LPG Burner & Blower
- 1 HP Blower with motor
- Box capacity: 300 to 500 KG



## **DRYER Circular Box Dryer**

The Circular Box Dryer re-heats the output material from the 8 Deck Vibro Dryer and reduces moisture. It automatically rotates the material.

#### **Technical Details:**

- Circular Box Type Dryer (Direct Hot Air Supply from Hot Air Generator) with Blower.
- 1 HP Blower with Motor
- 3 HP Motor with Gearbox For Rotation
- With temp. indicator in panel board
- Auto rotation for labour free drying

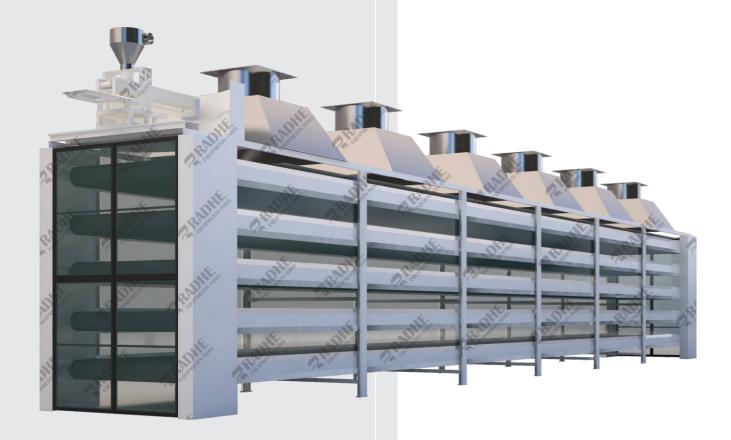






# **DRYER**Thermic Fluid Dryer

Our advanced 5-Stage Belt-Type Thermic Fluid Dryer is engineered specifically for drying 2D food pellets. Designed for optimal performance, this dryer utilizes 120 radiators to ensure uniform oil circulation, promoting efficient heat distribution across all stages. The dryer requires a Thermic Fluid Heater capable of providing 400,000 calories per hour to heat the circulating oil. With an impressive holding capacity, it can retain material for up to 6 hours, allowing for consistent, high-quality drying essential for premium pellet production



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## PANEL Control Panel

The Control Panel is electrical system governs each equipment at every stage of production line. This Control Panel helps to programmed all the functions of every equipment to perform smooth production systemically.



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## MIXTURE Water & Spices Mixing Machine

This machine helps prepare a mixture of water, salt, and other spices as per the recipe at a pre-defined speed.

### **Technical Details:**

- 1HP Electric Motor (with Auto Turn-off Timer)
- Capacity 15 Litre & 30 Litre / Batch



## AUTO MIXTURE Automatic Flour Mixing Machine

The Automatic Flour Mixing Machine is designed to match the production line's required quantity. A screw conveyor with a hopper lifts and feeds the material into the mixing tank automatically, making the operation easier for laborers.

#### Technical Details:

- Total electrical load -15HP
- Capacity 100 kgs./Batch



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Note: Machine under development, may supply optional mixture instead of this design.





## AIR HEATER Hot Air Generator

This machine generates hot air and functions to provide consistent hot air to the production process/Dryer, ensuring the proper drying and curing of materials.

	250	550
Average heat output	1,00,000 K.cal/Hr	2,00,000 K.cal/Hr
Fuel type	Wood OR Briquettes	Wood OR Briquettes
Avg.Fuel consumption at 150° C Output air temperature	45 Kg /Hr ( +/- 20%)	85 Kg/hr ( +/- 20%)
F. D. Blower Motor	7.5 HP	10 HP
I. D. Blower Motor	2 HP	3 HP



## THERMIC HEATER Thermic Fludic Heater

Solid fuel indirect hot air generator design to give highthermalefficiency at lower maintenance costHorizontai design provides hassle free easy maintenance.

- Capacity: 4,00,000 to 10,00,000 kcal/hr

Description: This high-efficiency thermic fluid heater is designedfor consistent heating performance across various industrialapplications. It ensures optimal thermal energy transfer, minimizing fuel consumption while aximizing operationalefficiency. Features: Robust construction, advanced combustiontechnology, minimal maintenance, and energy-saving design forreliable, long-lasting operation.



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