



# retoolsIndia

*Engineering Energy for Better Tomorrow*

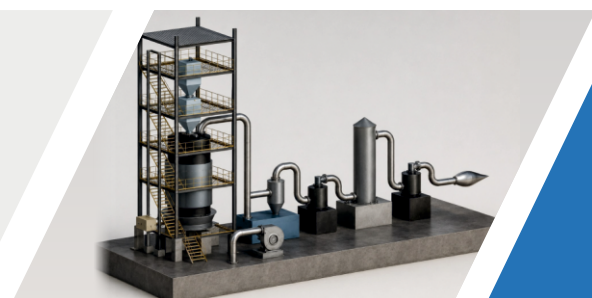
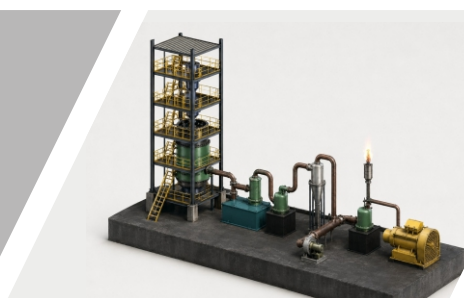
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**Engineered for Performance. Built for Reliability.**



Manufacturer & Supplier of  
**Multi Fuel Gasifier Plants,  
Mini Cement Plants,  
Sugar & Paper Plant Machinery,  
Fertilizer Plants,  
Granulation Plants, Rotary Dryer,  
and Vertical Shaft Kiln**



***Energy for Better Tomorrow***

[www.retoolsindia.com](http://www.retoolsindia.com)



# ABOUT US

Retools India is a trusted manufacturer and supplier of industrial plant and machinery solutions, specializing in Multi Fuel Gasifier Plants, Mini Cement Plants, Sugar & Paper Plant Machinery, Fertilizer Plants, and Granulation Plants. With a strong focus on engineering excellence, advanced technology, and customized solutions, we deliver reliable turnkey projects tailored to diverse industrial requirements.

Our manufacturing facility is equipped with modern machining, fabrication, and quality-control infrastructure. From engineering and fabrication to project execution, erection, commissioning, and after-sales support, our experienced team ensures quality, precision, and dependable performance at every stage.

## Experienced Team

Skilled professional driving innovation and excellence.

## Advanced Manufacturing

State-of-the-art facility ensuring precision & efficiency.

## Quality Assurance

Strict quality control for reliable and consistent results.

## Customer Focussed

Client-centric approach with tailored solutions.

## After-Sales Support

Dedicated support ensuring long-term satisfaction.



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## Why Choose Us?

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01

### ENGINEERING & TECHNOLOGY

Our highly skilled engineering team consists of experienced engineers and proficient draftsmen who utilize modern technologies and industry best practices. With a strong focus on innovation, precision, and technical excellence, we deliver reliable and efficient engineering solutions.

02

### MATERIAL MANAGEMENT

Efficient procurement and continuous material monitoring to ensure timely availability, cost optimization, and smooth project execution without delays.

03

### PROJECT MANAGEMENT

Our professional project management team ensures seamless planning, execution, monitoring, and timely completion of every project. Through effective coordination across all departments, we deliver turnkey solutions that meet customer requirements while maintaining the highest standards of quality and efficiency.

04

### QUALITY ASSURANCE

Our dedicated quality team follows strict inspection standards to ensure every product meets industry regulations, delivers reliable performance, and maintains the highest level of quality.

05

### ON TIME DELIVERY

Timely delivery is our priority. With efficient production planning and reliable logistics, we ensure every order reaches customers on schedule, helping them maintain seamless operations and meet project deadlines.

## Since 2008

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Since 2008 as Ujjawal Bio Technologies, Retools India began with a vision to provide reliable and efficient industrial plant and machinery solutions. In 2018, Retools India was established as a new venture, marking a new phase of growth with a stronger focus on engineering excellence and innovation. Today, Retools India offers a wide range of industrial solutions, including Multi Fuel Gasifier Plants, Mini Cement Plants, Sugar & Paper Plant Machinery, Fertilizer Plants, and Granulation Plants.

With strong technical expertise, precision manufacturing, modern technology, and efficient project execution, we deliver quality-driven turnkey solutions focussed on performance, safety, and long-term reliability. Our customer-centric approach and commitment to innovation enable us to build lasting partnerships across domestic and international markets.

# Gasifier Plant

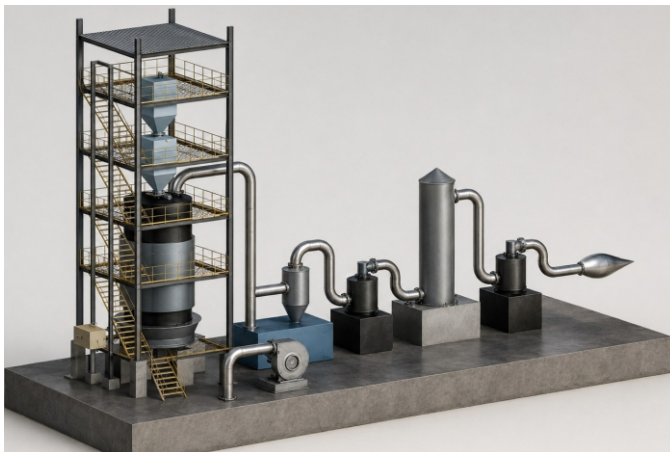
## Multifuel Gas Produce Plant

A Gasifier Plant is an advanced energy system that converts coal, solid biomass and agricultural waste into clean, combustible producer gas through a controlled gasification process. It efficiently utilizes fuels such as rice husk, wood chips, sawdust, bagasse, coconut shells, and biomass briquettes, providing a sustainable alternative to conventional fossil fuels. The producer gas generated is widely used for industrial heating, steam generation, dryers, furnaces, boilers, and power generation. Designed for high thermal efficiency, low emissions, and reliable operation, gasifier plants help reduce fuel costs, minimize environmental impact, and support industries in achieving cleaner, greener, and more energy-efficient operations.



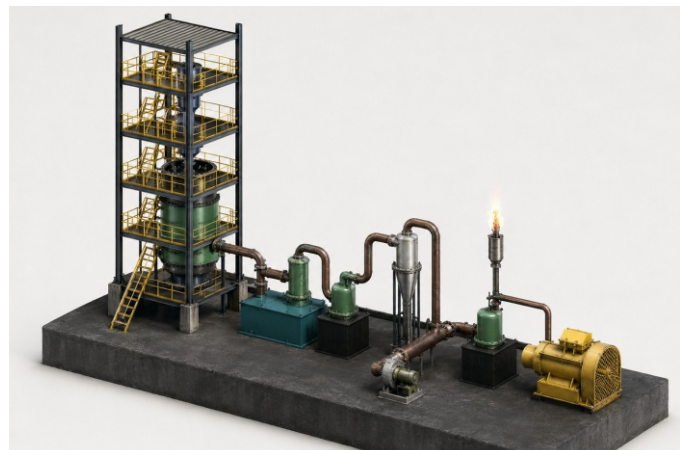
### Model: Updraft Gasifier

An Updraft Gasifier is a high-efficiency coal, biomass gasification system that converts solid fuels into producer gas. It offers excellent fuel flexibility, low fuel consumption, and reliable performance for industrial heating and thermal applications.



### Model: Downdraft Gasifier

A Downdraft Gasifier converts coal, biomass into clean producer gas with low tar content. It delivers efficient, reliable performance, making it ideal for industrial heating, thermal processing, and power generation applications.





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## Vertical Shaft Kiln With Multi Fuel Gasifier



A Vertical Shaft Kiln with Multi Fuel Gasifier is an energy-efficient solution designed for continuous lime production. It utilizes multiple biomass fuels such as rice husk, wood chips, briquettes, and agricultural waste to generate clean producer gas. This system reduces fuel costs, lowers emissions, improves thermal efficiency, and ensures reliable, eco-friendly kiln operation.

## Rotary Klin with Multi Fuel Gasifier

A Rotary Kiln with Multi-Fuel Gasifier is an efficient thermal processing system designed for continuous heating, drying, and material treatment. It utilizes various fuels, including biomass and agricultural residues, to generate hot gases, ensuring reliable operation, improved fuel flexibility, reduced energy costs, and environmentally sustainable performance. The rotary kiln provides uniform heat distribution and controlled processing, making it suitable for a wide range of industrial applications. Its robust construction, continuous operation, and efficient fuel utilization help achieve consistent product quality. The system also reduces dependence on conventional fossil fuels and promotes the productive use of waste biomass and agricultural residues.



# Multi Fuel Gasifier Plant Train



A Multi Fuel Gasifier Plant with Train is an advanced biomass gasification system designed for large-scale, continuous industrial operations. Equipped with a train-based fuel feeding mechanism, it ensures smooth and uninterrupted fuel movement, enhancing operational efficiency and minimizing manual handling.

The system efficiently converts multiple biomass fuels such as rice husk, wood chips, bagasse, sawdust, briquettes, and agricultural waste into clean producer gas. It offers high thermal efficiency, low emissions, reduced fuel costs, and reliable performance. Ideal for boilers, kilns, dryers, furnaces, and other thermal applications, it provides a sustainable, eco-friendly, and cost-effective energy solution for modern industries.

## Gasifier Reactor



A Gasifier Reactor is the core component of a gasification system, where biomass or solid fuels are converted into clean producer gas through a controlled thermochemical process. Designed for high thermal efficiency and continuous operation, it ensures complete fuel conversion, stable gas production, and low emissions.

Suitable for fuels such as rice husk, wood chips, sawdust, bagasse, and briquettes, the reactor provides reliable performance, reduced fuel consumption, and cost-effective energy for industrial heating and power generation applications.

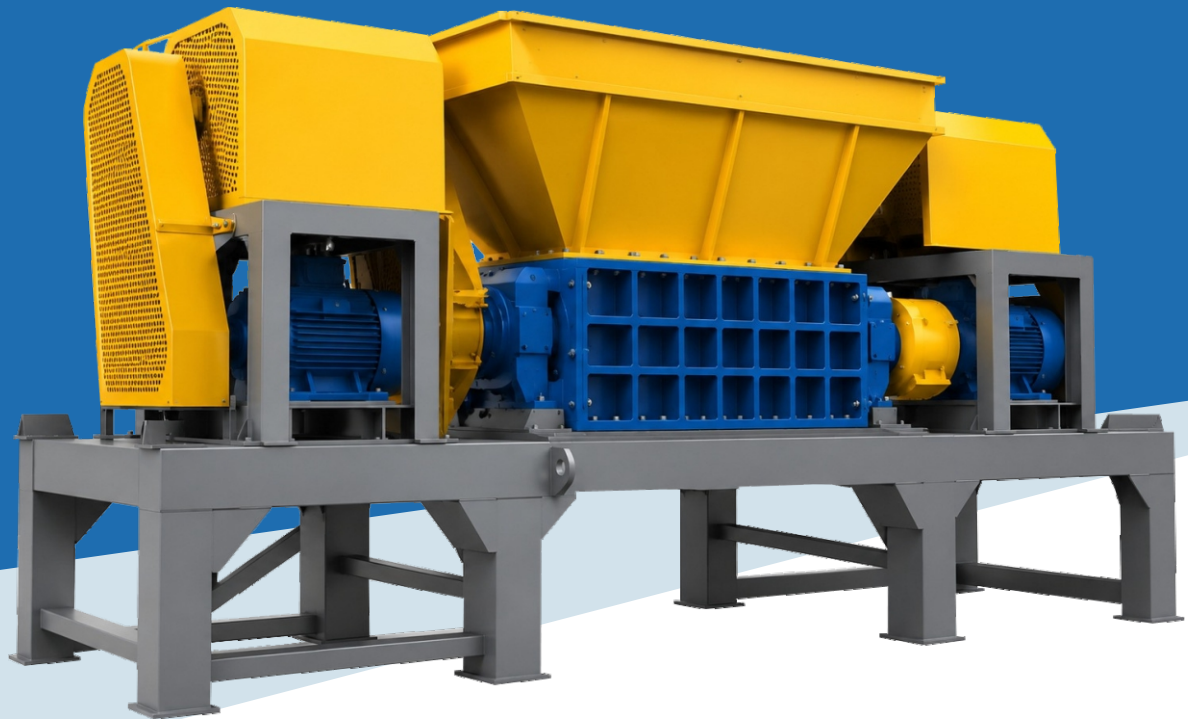
## Rotary Grates

Rotary Grates are robust fuel-feeding and ash-handling systems designed for efficient combustion in boilers, furnaces, and biomass gasifiers. They ensure uniform fuel distribution, continuous ash removal, and stable combustion, resulting in improved thermal efficiency and reduced fuel consumption.

Built for heavy-duty industrial applications, rotary grates offer reliable performance, low maintenance, extended service life, and compatibility with a wide range of biomass and solid fuels, making them an ideal solution for efficient heat generation.



# Shredder



## RDF Shredder

An RDF (Refuse-Derived Fuel) Shredder is a high-performance machine designed to process municipal solid waste, industrial waste, plastics, paper, textiles, and other combustible materials into uniform-sized fuel.

Engineered for heavy-duty operation, it provides efficient size reduction, high throughput, and consistent output. Its robust construction ensures durability and reliable performance even under demanding working conditions.

The machine features energy-efficient operation, low maintenance requirements, wear-resistant components, and optimized cutting technology for effective shredding. By producing uniform RDF material, it helps improve fuel quality, enhance combustion efficiency, reduce waste volume, and support sustainable waste-to-energy, recycling, and resource recovery applications.



# Rotary Dryer



A Rotary Dryer is a highly efficient drying system designed to reduce the moisture content of a wide range of materials, including biomass, minerals, sand, fertilizers, grains, and agricultural products. It features a rotating drum that ensures uniform heat transfer and consistent drying. Known for its high thermal efficiency, robust construction, and low maintenance, the rotary dryer improves product quality, enhances processing efficiency, and reduces operational costs, making it an ideal solution for various industrial applications.

# NPK Plant



An NPK Plant is designed for the efficient production of high-quality compound fertilizers containing Nitrogen (N), Phosphorus (P) and Potassium (K). The plant integrates advanced processes such as raw material handling, batching, mixing, granulation, drying, cooling, screening and coating to ensure uniform nutrient distribution and consistent granule quality. Designed for reliable and continuous operation, the plant helps manufacturers produce customized fertilizer grades to meet diverse agricultural and crop-specific requirements.

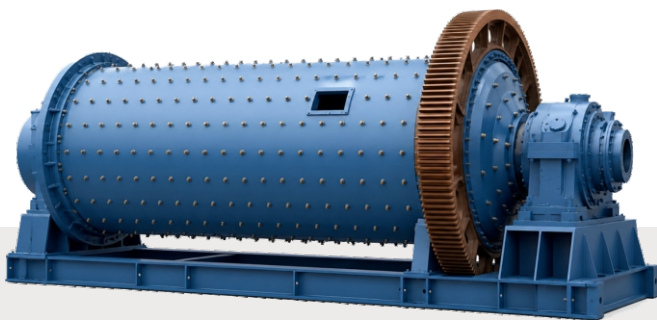
# Vertical Shaft Kiln for Calcium Carbonate

A Vertical Shaft Kiln (VSK) is widely used for the efficient calcination of Calcium Carbonate (Limestone) to produce high-quality quicklime (Calcium Oxide). Designed for continuous operation, it ensures uniform heat distribution, excellent fuel efficiency, and consistent product quality. Suitable for lime manufacturing industries, the system offers low operating costs, reduced emissions, and reliable performance, making it an ideal solution for sustainable and cost-effective lime production.



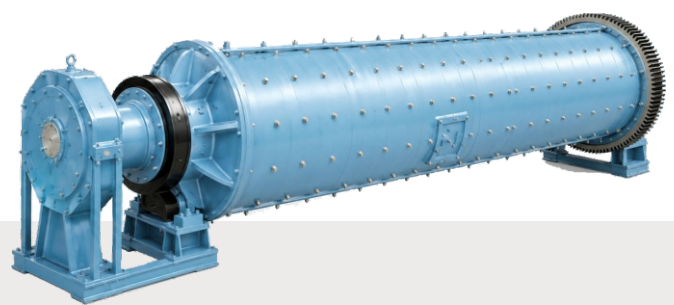
## Ball Mill for Grinding

Ball Mill for grinding is an essential machine in Single Super Phosphate (SSP) production, designed to grind rock phosphate into a fine, uniform powder for efficient chemical processing. Built for high productivity and continuous operation, it ensures consistent particle size, low energy consumption, and reliable performance. Its robust construction, easy maintenance, and efficient grinding process enhance product quality, improve plant efficiency, and reduce overall operating costs, making it an ideal solution for SSP fertilizer manufacturing plants.



### Ball Mill for Wet Grinding

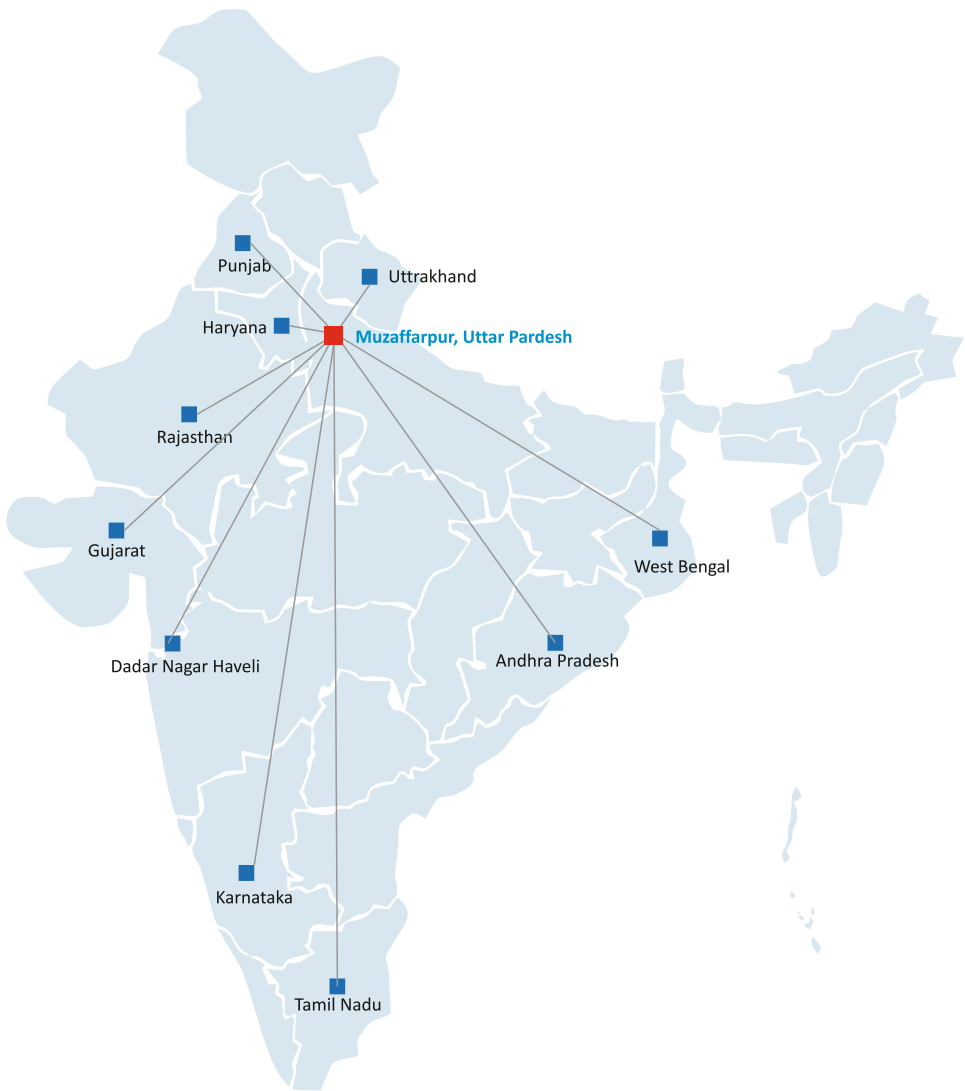
Our Ball Mill for Wet Grinding is designed for efficient and uniform grinding of materials in liquid environments. It delivers excellent particle size control, high grinding efficiency, and reliable continuous operation, making it suitable for mineral processing, ceramics, chemicals, and other industrial applications.



### Ball Mill for Dry Grinding

Our Ball Mill for Dry Grinding is engineered for efficient and consistent grinding of various materials. It ensures uniform particle size, high grinding efficiency, robust construction, and dependable performance, making it suitable for continuous operation across diverse industrial processing and material handling applications.

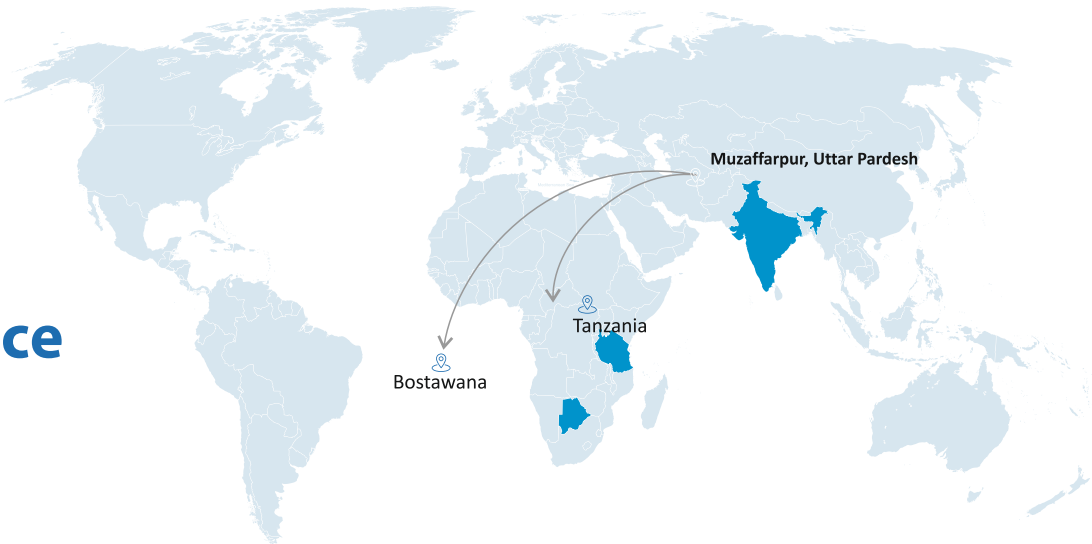
# Our Domestic & Global Presence



- **Head Office**  
**Muzaffarpur**  
**Uttar Pradesh**
- Andra Pradesh
- Dadar Nagar Haveli
- Gujarat
- Haryana
- Karnataka
- Punjab
- Rajasthan
- Tamilnadu
- Uttrakhand
- West Bengal

## Global Presence

- Bostawana
- Tanzania



## INDUSTRY WE SERVE IN:



**Steel Rolling Mill**



**Calcium Carbonate**



**Fertilizer Industry**



**Cement Industry**



**Paper Industry**



**Sugar Mill Industry**



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