



# SUPERTHARRM GLOBALS

TRUST AND RELIABILITY

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# Supertharm Globals: Your Partner in High-Performance Boilers

Founded in 2005, Supertharm Globals is a medium-sized company with a remarkable legacy of excellence. With high levels of technical expertise, advanced manufacturing capabilities, and skilled management, we have become a renowned name in the industry.



Over nearly two decades, our organization has been dedicated to the design, engineering, and manufacturing of a wide range of solutions, including boiler components, boilers, pressure vessels, pollution control systems, and complete piping systems tailored to various industries. Our commitment to quality and innovation shines through in every product we deliver.

At Supertharm Globals, we offer more than just top-tier equipment and components. We take pride in our extensive range of services, which include revamping and upgrading boilers, power plant construction on an EPC (Engineering, Procurement, and Construction) basis, multi-fuel and furnace conversion, as well as boiler erection, and technical consultation.

Experience the assurance of quality and safety with our boilers and boiler pressure parts, certified by TUV, Llyods, and IBR.

## Our Values

At Supertharrm Globals, we are driven by quality, innovation, and persistent commitment to customer trust. Our values guide us in delivering high-performance boilers, primarily biomass-powered, that contribute to a greener world through sustainability and continuous improvement.

## Our Mission

Our mission is to provide globally, a diverse range of high-performance boilers utilizing renewable energy, primarily biomass, that excel in quality, affordability, and prompt delivery. We are committed to delivering innovative solutions that empower sustainable, efficient, and eco-friendly energy generation for a better, greener world.



# Our Strengths



**Quality  
Production**



**Maintenance  
Services**

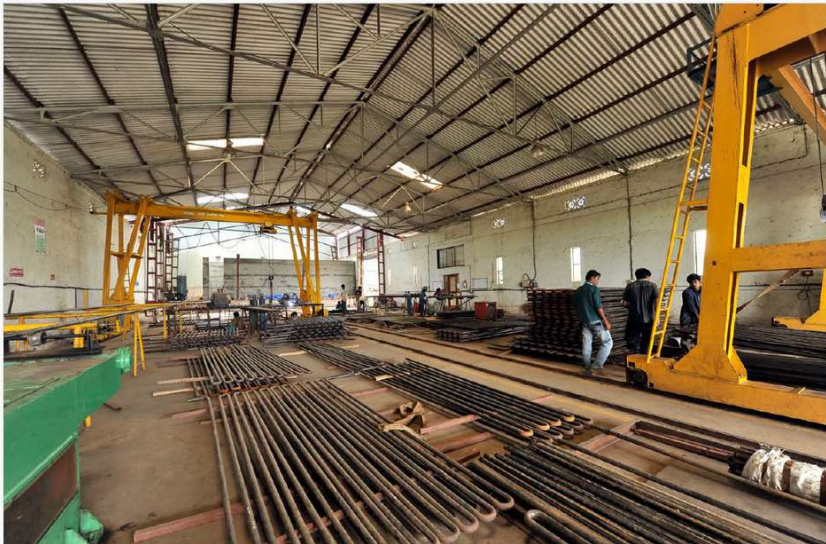


**Product  
Management**



**High Working  
Pressure  
and Capacity**

## Our Workshop: Where Quality Takes Shape



# Our Valued Clients



# Global Presence



## Client Testimonials

### **Sugar Corporation of Uganda Limited, Uganda**

Skillfully completed up-gradation of capacity and efficiency of 2 x 30 TPH boilers along with conversion to Pinhole Grate Furnace and supplied 1 x 35 TPH boiler with Pinhole Grate Furnace.

### **Lam Son Sugar Cane Joint Stock Corporation, Vietnam**

Proficiently designed and supplied pressure parts for 1 x 80 TPH x WP 67kg/cm<sup>2</sup> and Twin Trava Grate Furnace.

### **The Ugar Sugar Works Limited, Karanataka**

Successfully completed up-gradation of 2 boilers from 60 TPH to 75 TPH, WP 67kg/cm<sup>2</sup>.

### **South Nyanza Sugar Company Limited, Kenya**

Supplied pressure parts for 2 x 30 TPH Pinhole Grate Boiler.

### **Shree Khedut Sahakari Khand Udyog Mandli Limited, Gujarat**

Efficiently completed the 8.5 MW power plant on a turnkey basis, upgraded 2 x 30 TPH x 32 kg/cm<sup>2</sup> boiler to 35 TPH, designed, supplied, and installed venture-type wet scrubbers for 2 x 35 TPH boilers, and executed a seamless replacement of pressure parts, including bank tubes, panels, economizers, and superheater coils.

### **Jeypore Sugar Company Limited, Andhra Pradesh**

Conversion of 1 x 80 TPH and WP of 67 kg/cm<sup>2</sup> to Multi Fuel Boiler by providing Travelling Grate Furnace and modification of pressure parts with fuel and ash handling system.

# Our Products

## Boiler Components



### Economizers

Crafted for Efficiency: Explore our Economizers, available in plain tube, finned, and gilled types. Precisely designed and manufactured by our expert team to enhance boiler efficiency by recovering heat from flue gases, resulting in reduced fuel consumption. We specialize in coiling economizers from carbon steel or alloy steel, with diameters of up to 114mm, using advanced CNC tube bending machines and TIG welding for accurate construction.



### High-Pressure Heater

Explore our high-pressure (HP) heaters, expertly designed for efficiency in demanding industrial environments. These essential components efficiently heat and control process fluids, ensuring reliable operations.



## Superheater Coils

We're dedicated to producing top-notch Superheater Coils, vital for optimizing the efficiency and performance of your industrial boiler systems. Our precision-crafted Superheater Coils come in a range of Alloy Steel grades, including T-1, T-9, T-11, T-12, and T-91. We also offer customization options to tailor these coils to your specific requirements, guaranteeing they perfectly align with your unique needs.



## Boiler Bank Tubes

Our Boiler Bank Tubes are expertly engineered to provide outstanding performance and consistent reliability in various industrial applications. Tailored to meet your precise requirements, these tubes come with the option of fins, offering versatile solutions to accommodate your needs. This product is available for a Boiler Capacity Range spanning from 10 TPH to 300 TPH.



## Studded Coils/Tubes

Our Studded Tubes are expertly crafted to thrive in demanding, high-pressure, and high-temperature environments, making them an essential component for industries such as petroleum refineries. These tubes are purpose-designed to meet the stringent requirements of fired heaters, ensuring dependable and efficient operation. We provide high-quality studded tubes in a variety of materials, including carbon steel, alloy steel, and stainless steel.



## Steam Header

Supertharrm brings you a range of Steam Headers, designed and fabricated to meet your specific industrial needs. Our steam headers, available in sizes ranging from 100mm NB to 1000mm NB, are engineered to handle a wide pressure range from 300 PSI to 2000 PSI. These crucial components are carefully designed to ensure efficient and reliable steam distribution in your industrial systems.



## Deaerator

Our Deaerator, a vital component in steam production systems, plays a crucial role in removing dissolved gases from boiler feedwater. By eliminating these gases, it ensures the production of high-quality steam, contributing to the efficiency and performance of your industrial operations. Count on our Deaerator to enhance the purity of your steam and optimize your processes.



## Water Wall Panels

Water Wall Panels, an essential component of boiler systems, serve as sturdy barriers within boilers. These panels play a critical role in enhancing heat exchange and preserving the efficiency of your boilers. Our expertise extends to the development of special fixtures and welding skills for the formation of membrane-welded water wall panels, ensuring superior performance and durability.





## Water-Tube Boiler

Our Water Tube Boilers are designed to meet power generation and process requirements, offering options like Travelling Grate, Dumping Grate, Pinhole Grate, Pulsating Grate, and AFBC.

### Key Features

- Easy Operation
- Sturdy Construction
- Long-Lasting Nature
- Rust Resistance
- Hassle-Free Performance
- Less Maintenance

### Operating Range

- Capacity: 10 TPH to 150 TPH
- Working Pressure: Up to 87kg/cm<sup>2</sup>

### Fuel

Bagasse, Rice Husk, Wood Chips, Cotton Stock, Cane Trash, Briquettes, Coal Ignite

### Industries We Serve

Power Generation, Chemical Processing, Petrochemical, Oil and Gas Industry, Food and Beverage Processing, Textile, Paper and Pulp, Pharmaceutical, Wood and Timber, Waste-to-Energy Facilities, District Heating, Marine, Mining, etc.



# Package Boiler

Supertharm Globals has garnered significant acclaim for delivering a quality-assured range of Package Boilers. Praised for their exceptional stability, sturdy structure, flawless finish, and high tensile strength, these Package Boilers stand out in the market. Crafted with remarkable quality materials, these boilers are offered to our customers in a variety of specifications at cost-effective rates.

## Key Features

- Efficient combustion for fuel savings
- Proper grate area design for optimal fuel-burning
- Hassle-free, maintenance-free performance
- Excellent functionality

## Operating Range

- Capacity: Solid Fuel Fired: 1 TPH to 6 TPH
- Oil cum Gas Fuel Fired: 1 TPH to 20 TPH
- Working Pressure: Up to 21kg/cm<sup>2</sup>

## Fuel

- Liquid fuels like LDO/HSD/FO/LHS
- Gaseous fuels like Natural Gas/LPG/Biogas
- Solid fuels like Bagasse, Husk, Wood, Coal, and other agro-wastes

## Industries We Serve

Rice Mills, Sugar, Distillery Plants, Textile, Oil Mills, Chemical and Pharmaceutical Paper Industries, Food and Beverage, Rubber, Packaging, Tea, Bamboo Tiles, Steam for ETP Plants, Hotels, Hospitals, etc.



# Combipac Steam Boiler

Discover the unparalleled efficiency and reliability of CombiPac Steam Boilers by Supertharm Globals. Our Combipac boilers are thoughtfully designed and engineered to meet the demanding needs of various industries, from rice mills and textile industries to chemical and pharmaceutical sectors. Offering the advantages of both water tube and smoke tube boilers, they provide exceptional performance, quick steam generation, and steadfast operations, even under fluctuating loads.

## Key Features

- High Fuel Combustion Efficiency
- 98% Saturated Steam
- Superior Water Circulation
- Multi-Fuel Capability
- Quick Steam Generation
- Manual and Auto-feeding
- Versatile Grate Options

## Operating Range

- Capacity: 5 TPH to 20 TPH
- Working Pressure: Upto 21kg/cm<sup>2</sup>

## Fuel

Bagasse, Husk, Wood, Coal, Coconut Shell, Groundnut Shell, Maize, Cotton Waste, and other agro wastes

## Industries We Serve

Rice Mills, Textile, Oil Mills, Chemical and Pharmaceutical, Paper and Pulp, Food, Rubber, and Packaging.



# Waste Heat Recovery Boiler

Our Waste Heat Recovery Boiler captures and converts waste heat from industrial processes into valuable thermal energy, enhancing efficiency and reducing operational costs. It's an environmentally responsible choice that contributes to energy savings and sustainable industrial practices. Invest in the future of the industry with our innovative solution.

## Key Features

Natural circulation design

Fire tube or water tube options

Special refractory-lined combustor for lean gas combustion

Adequate combustor size for complete gas-burning

Membrane wall water tube design for increased heat transfer

Advanced control systems for lean gas combustion

## Operating Range

Capacity: 5 TPH to 100 TPH

Working Pressure: 10.5kg/cm<sup>2</sup> to 87kg/cm<sup>2</sup>

## Industries We Serve

Steel, Cement, Chemical, Non-Ferrous Metal, Refinery, Pulp and Paper, Glass, Power Plants, Textile, Food and Beverage, Oil and Gas, Automotive, and Manufacturing.





## Wet Scrubber

Our Wet Scrubbers, featuring venture-type scrubbers, are expertly engineered to offer a highly efficient solution for gas treatment and emission control. These innovative devices are purpose-designed to utilize the energy from the incoming gas stream to atomize the liquid used for gas scrubbing. The outcome is a Wet Scrubber that efficiently lowers emissions to levels below 100mg/nm<sup>3</sup>, all while maintaining a reasonable capital cost and low maintenance expenses.





## Complete Piping System



We specialize in providing comprehensive solutions for piping systems. Our turnkey projects cover the full spectrum of flexibility analysis for high-, medium-, and low-pressure piping systems. Whether your requirements involve steam, oil, water, gas, or any combination of these, we deliver seamless solutions for a wide range of industrial plants, including those in the sugar, cement, fertilizers, petrochemicals, and various other process industries.

## Pressure Vessels



Our Pressure Vessels are expertly engineered and constructed to adhere to the highest industry standards, including ASME, TEMA, IBR, and API codes of practice. These vessels are designed to meet a wide range of industrial requirements, with the capacity to withstand pressures of up to 150 kg/cm<sup>2</sup> and temperatures reaching up to 500 degrees Celsius.

# Our Services

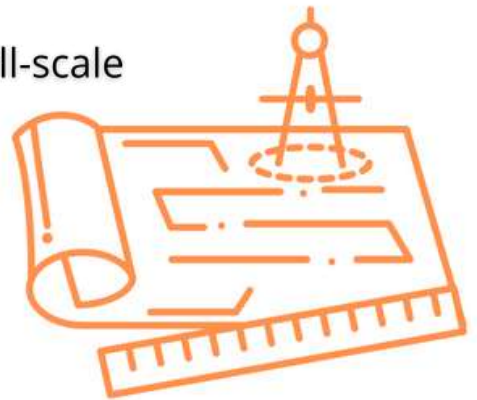
## Power Plant on EPC Basis

Execution of entire power plants on an Engineering, Procurement, and Construction (EPC) basis. Our EPC packages are tailored for Cogen, captive power, and independent power plants with capacities of up to 25MW. These packages encompass boilers, turbine generators, and balance of plant and machinery (BOP), and cover mechanical, civil, and electrical work. Customers prefer our EPC services due to the convenience of a single point of responsibility.



## Concept to Commissioning

Guiding projects from initial concept to full-scale commissioning.



## Revamping and Refurbishment



Restoring and enhancing the performance of aging boilers.

## Capacity and Efficiency Upgrades

Elevating the efficiency and capacity of existing boilers.



## Multi-Fuel and Furnace Conversion

Adapting boilers to utilize multiple fuels and furnace conversions for fuel transitions.



## Boiler Erection

Skillful installation of boilers and associated equipment.



## Energy Audits

Conducting detailed assessments of older boilers for enhanced energy efficiency.



## Technical Consultation

Providing technical expertise and consultancy in the domain of boilers.



# Contact Us

Explore the potential of innovative boiler solutions at Supertharrm Globals. Whether you're interested in working with us, collaborating, partnering, or seeking our products and services, we're ready to assist you. If you have inquiries about our high-performance boilers or want to discuss how we can meet your specific requirements, our experts are here to help. Contact us at [info@supertharrmglobals.com](mailto:info@supertharrmglobals.com), and let us empower your journey towards boiler excellence.

For more information about our products, services, and innovative boiler solutions, please visit our official website at [www.supertharrmglobals.com](http://www.supertharrmglobals.com). We look forward to welcoming you to our online platform, where you can explore the full range of our offerings.