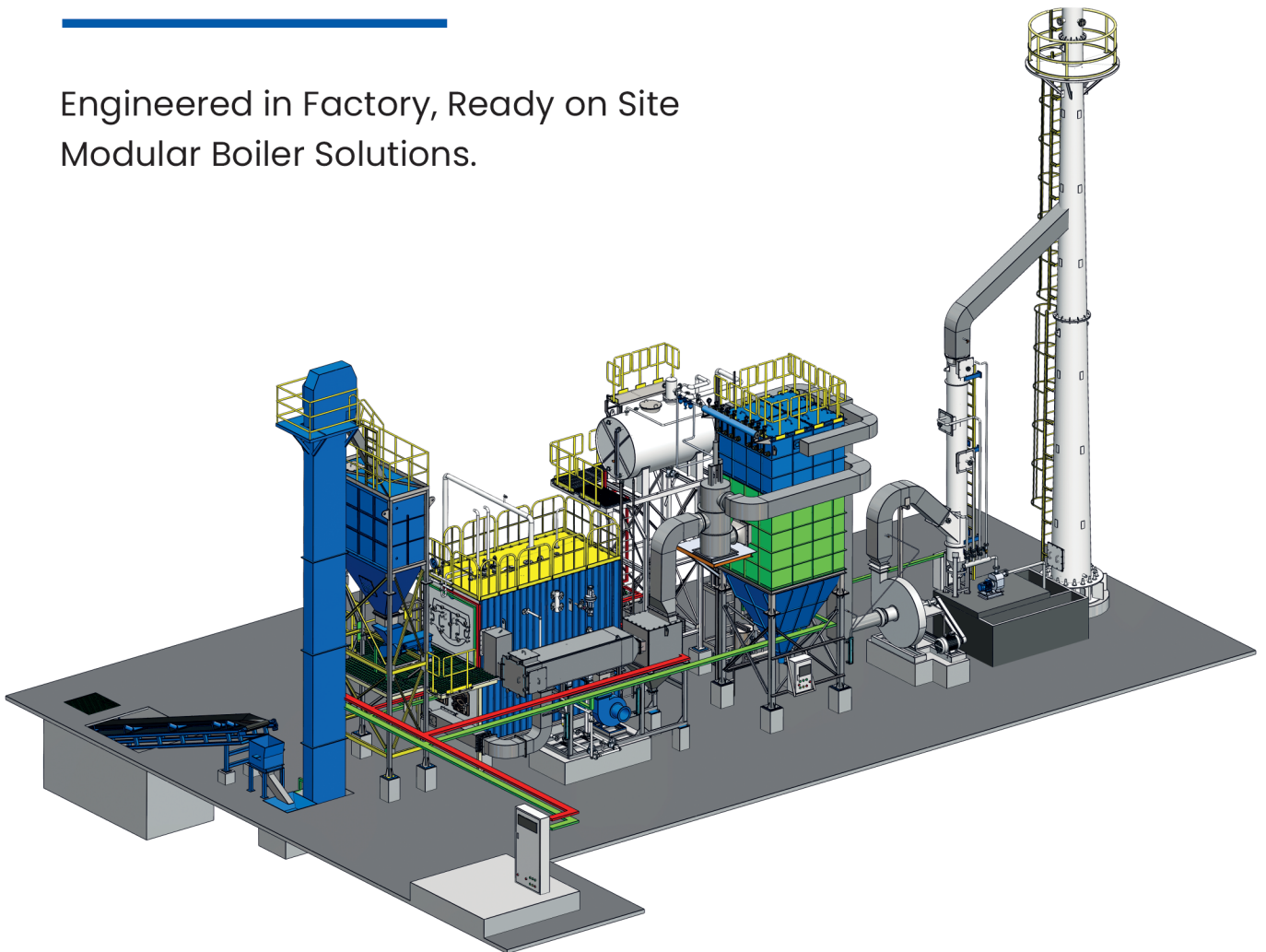




ecobloc

CS Series

Engineered in Factory, Ready on Site
Modular Boiler Solutions.



1500+ INSTALLATION

across the globe

Plug & Play Boiler House with Combustor & Layout Choices

Our modular boiler house is engineered for quick installation, minimal site work, and maximum performance. Designed with customizable factory layout options, it delivers the perfect fit for your plant's space.



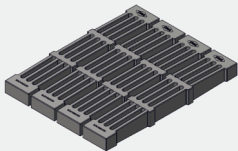
- **Factory-Built Assurance** – Quality-controlled, tested & proven performance
- **Adaptable Engineering** – Flexible for any space (LH & RH options)



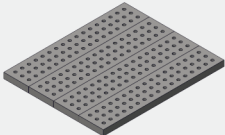
- Up to **74%** reduction in site installation costs
- Up to **46%** reduction in space utilization
- Up to **50%** reduction in refractory costs (Material & Labour)

Built with plug-and-play simplicity, the modular design shortens project timelines, lowers installation costs, and ensures reliable performance from day one. Whether your priority is efficiency, uptime, or future expandability, our boiler house is the smart choice for industries seeking ready solutions with flexible adaptability.

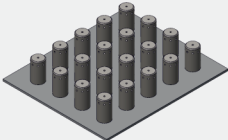
Combustion System Options Available Fuel Options



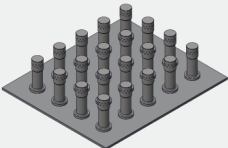
Stationary Grate



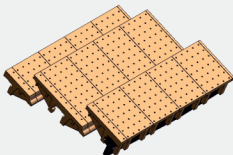
Pinhole Grate



Bubbling Bed



Fluidized cum Bubbling



Dumping Grate

Wood Logs



Rice Husk



Briquettes



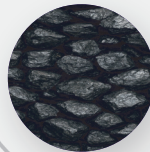
Pellets



Wood Chips



Coal



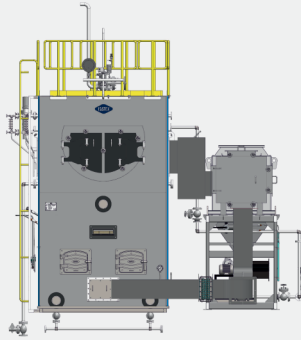
Ply Waste



Saw Dust



The Multifuel Flexible Combustor is designed to seamlessly adapt to variations in fuel quality and availability, ensuring uninterrupted operation with consistent performance.



Sonic soot blower system – Ensuring Boiler Efficiency & Reliability

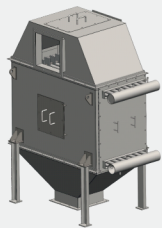
Our Soot Blowing System is designed to keep boiler surfaces clean, ensuring maximum heat transfer, reduced fuel consumption, and extended boiler life. By effectively removing soot, ash, and deposit build-up from boiler tubes, the system guarantees consistent efficiency while preventing costly downtime.

- Improved fuel efficiency & reduced operating costs
- Extended boiler uptime with minimal maintenance

Enhanced Boiler Efficiency with Tube Turbulators

Our CFD designed Tube Turbulators are highly effective by creating turbulence in the flue gas flow, they maximize heat absorption, reduce fuel consumption, and lower exhaust temperatures.

- **Improved Efficiency:** Enhances heat transfer by 8–12%.
- **Fuel Savings:** Reduces overall fuel cost with better heat utilization.
- **Low Maintenance:** Durable design with minimal upkeep.



Boost Boiler Efficiency with an Economizer

An economizer is a smart energy-saving device that recovers waste heat from boiler flue gases and uses it to preheat feedwater. By utilizing this otherwise wasted energy, boiler efficiency can be improved by up to 5–7%.

- **Fuel Savings:** Lower fuel bills with improved thermal efficiency.
- **Reduced Emissions:** An environmentally friendly solution that cuts CO₂ output.
- **Quick Payback:** Investment recovered rapidly through energy savings.
- **Extended Boiler Life:** Minimized thermal stress with preheated feedwater.



SMARTWIZ IoT Boiler Control System – Efficiency at your fingertips

Our IoT-enabled Boiler Control Panel brings intelligence, reliability, and remote accessibility, to your boiler operations. With real-time data monitoring, predictive maintenance alerts, and cloud-based analytics, you gain complete visibility and control over fuel efficiency, steam output, and other critical safety parameters.

- **24/7 Remote Access:** Monitor performance anytime, anywhere
- **Data-Driven Insights:** Optimize fuel usage and reduce operating costs
- **Predictive Maintenance:** Minimize downtime with early alerts
- **Enhanced Safety:** Instant alarms and fault diagnostics



Advanced Boiler Tube Technology – Assured Strength, Efficiency & Reliability

Manufactured to ASTM standards, these tubes are specially designed to deliver superior heat transfer, withstand high pressure, and ensure long service life.

- **High Strength & Durability:** Withstands demanding operating conditions.
- **Excellent Heat Transfer:** Ensures optimum thermal efficiency for fuel savings.
- **Corrosion & Oxidation Resistance:** Performs under high temperature and pressure.
- **Precision Manufacturing:** Tighter ASTM protocols for tolerances and testing of tubes.
- **No Negative Tolerance:** Precisely controlled thickness ensures reliability.
- **Proven Industry Standard:** Widely used in industrial boilers worldwide.

Technical Specifications

Description	Units	CS-150	CS-200	CS-300	CS-400	CS-500	CS-600
Boiler capacity	Kg/hr	1500	2,000	3,000	4,000	5,000	6,000
Heat output	KW	942	1256	1884	2512	3140	3767
Pressure range	Kg/cm ² (g)	10.54 / 17.5					
Dryness fraction		98%					
Steam temperature	°C	185 / 208					
Efficiency on full load (+/-3%)	%	BS 845 Pt.-I indirect - on NCV Basis					
Stationary grate	%	Wood: 80% & Indian Coal: 80%					
Bubbling bed	%	Indonesian coal / Biomass pellets: 83%					
Power supply		415 V +/-6%, 50 Hz +/-3%, AC Phase					
Total connected load (MDC + Bag Filter)							
Stationary grate	KW	17/19	21/22	28/30	32/34	44/48	*
Bubbling bed	KW	*	25/27	33/36	37/40	50/54	62/64

* Please refer offer document for more details.

** Refer respective GA Drawing for overall dimensions.

Advanced heating made simple – Turnkey boiler house, custom high-pressure & high-capacity solutions can be provided.

Established in 1978, with over 45+ years of excellence.

Isotex is a globally trusted leader in industrial boilers and heaters, delivering reliable, energy-efficient, and sustainable solutions. Leveraging expertise in diverse fuels and advanced automation, we design low-emission systems that optimize costs while safeguarding the environment. With a strong commitment to innovation, quality, and sustainability, Isotex continues to be the partner of choice for smart, future-ready heating solutions.



500CR

INR Annual Sales
Isotex Group



500+

Employees



1000+

Units Per Annum
Production
Capacity



70000 m²

Production
Facility

8500+

Installations



45+

Years Of
Experience



ISOTEX CORPORATION PVT LTD

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Ahmedabad Manufacturing:

Plot No.-181/2&3, GIDC Naroda, Ahmedabad Pin. 382 330

Dahej Manufacturing:

Plot No.-D-2 / E-76, Dahej Industrial Area, Dahej Pin. 392 130



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