



CORE AXIS
GLOBAL SOLUTIONS

a part of **Dehu Group of Companies**



MULTI-FLAME

Capacity - 2 TPH to 15 TPH

Key Features

- Flexible Feeding System
- Multi-Fuel Capability
- User-Friendly Design
- Optimized Energy Performance
- 3-Year Warranty
- Cost-Effective Operation

"Reliable. Renewable. Worldwide"

www.coreaxisglobal.com



ABOUT US

Core Axis Global Solutions is one of the leading names in the field of Boilers and heating systems for over three decades. We have established a strong manufacturing and sales presence across key regions of India, including Maharashtra, Uttar Pradesh, Andhra Pradesh, Telangana, Tamil Nadu, Rajasthan, and other major industrial locations, enabling us to efficiently serve customers nationwide. Our management comprises technically qualified people both at management levels and at the technical support level. Our business mission is to provide maximum efficiency and sustainable solutions with our products and services.

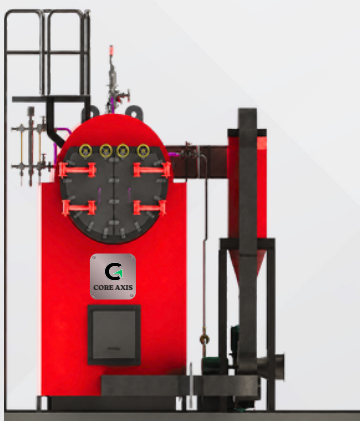
With decades of experience in the process industry, we customize integrated solutions for project requirements, processing, and many more areas.



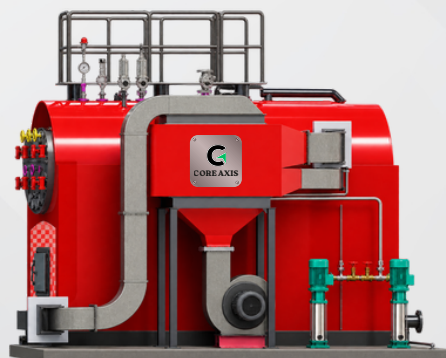
CAGS MULTI-FLAME

CORE AXIS Introduces yet another revolutionary product "MULTI-FLAME" Considering the demand for Quick, Timely execution of works at the site. The Product is a hybrid design of a Radiant water-walled combustion chamber and Fire tube Shell Assembly. MULTI-FLAME is a total skid-mounted assembly with high overall efficiency. All boilers are pre-assembled and tested at our works before dispatch. Our products are designed to minimize radiation and convection losses and provide maximum combustion and thermal efficiency.

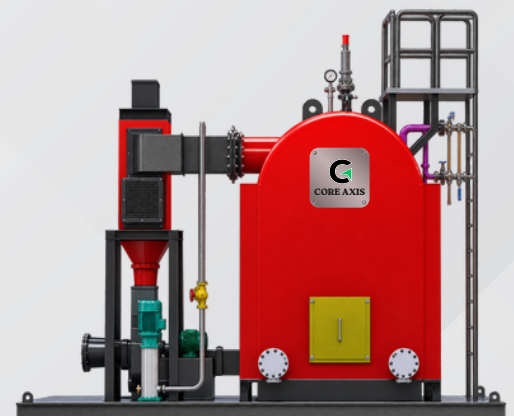
MULTI-FLAME — Faster Installation. Smarter Combustion. Higher Efficiency.



FRONT VIEW



SIDE VIEW



REAR VIEW

TECHNICAL SPECIFICATION OF 'MULTI-FLAME'

Description	Unit	CAGS-MF-150	CAGS-MF-200	CAGS-MF-300	CAGS-MF-400	CAGS-MF-500	CAGS-MF-600
Capacity (F&A 100)	kg/hr	1500	2000	3000	4000	5000	6000
Design Pressure	kg/cm ² g	10.54/17.5/21					
Efficiency Coal	%	84+2% (As per BS 845 Part 1 NCV Basis)					
Fuel		AGRO WASTE/COAL/WOOD/BRIQUETTE/PETCOKE/HUSK					
Fuel Firing Systems		Automatic (with Independent Fuel Feeding System)					
Fuel Consumption Coal	kg/hr	265-275	350-360	530-540	710-720	885-895	1060-1070
Connected Electrical Load							
Standard Unit (Without PCE)	HP	13.5	16.0	26.0	34.0	44.5	55.0
with MDC / TCDC	HP	14.0	16.5	27.0	35.0	45.0	56.0
Dimensions & Weight							
Unit Assembly (LxWxH)	m	4.5x3.8x4.0	4.5x3.8x4.85	5.0x4.3x5.0	5.4x4.5x5.4	5.5x4.8x5.6	5.7x5.0x6.0
Chimney Top Diameter	mm	450	500	600	700	750	800
Dry Weight (10.54)	Ton	8.9	10.2	12.25	20.0	24.0	27.0
Dry Weight (10.54/17.5)	Ton	3/3.5	6/7	9/11	12/14	15/17	18/20

SALIENT FEATURES OF MULTI-FLAME

"SAVES COST/KG OF STEAM GENERATED"



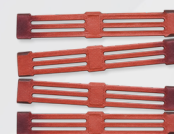
- Pre-Insulated Boiler & Skid-Mounted Design
- Packaged Design with Efficient Heat Recovery
- Multi-Fuel Firing Capability
- Fast Steam Generation & Quick Response
- Easy Manual-to-Mechanical Conversion
- Ergonomic & User-Friendly Design
- Easy Maintenance & Better Accessibility

MULTI-FLAME

As the name suggests CAGS MULTI-FLAME have option of feeding various types of fuels manually and Mechanically. Depending on application MULTI-FLAME series is offered along with different Grates and feeding system.

1. MULTI-FLAME (S):

MULTI-FLAME (S) features a Triplex-type SG Cast Grate designed for reliable, trouble-free operation and long service life. The rigid CI grate bars are supported by side longitudinal bars for easy maintenance. The boiler can efficiently fire Coal, Wood Waste and Briquettes, with convenient front ash removal and rear maintenance access. The unit is insulated and finished with heat-resistant coating for durability and enhanced appearance.



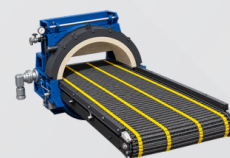
2. MULTI-FLAME (A):

MULTI-FLAME (A) is specially designed with SS Air Nozzles for efficient combustion of Paddy Husk, Pet Coke and Pulverized Coal. Its fixed bed ensures uniform, pre-heated air distribution for high combustion efficiency, while plug-type nozzles allow easy maintenance and replacement. The boiler operates on a balanced draft system and offers high overall efficiency, with options for manual or Pneumatic Feeding System (PFS). The PFS ensures uniform fuel distribution through an SS Alloy Diffuser, while ash is conveniently removed from the MDC and ash collection zones.



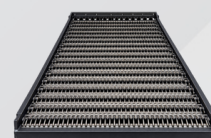
3. MULTI-FLAME (C):

MULTI-FLAME (C) is a Chain Grate Boiler equipped with a variable-speed drive for controlled and automatic fuel feeding. Its specially designed chain grate ensures uniform fuel distribution and high combustion efficiency. A dedicated control panel with mimic display monitors fuel feeding and key boiler parameters such as pressure and temperature. The system is suitable for Agro-Waste, Corn Kernels, Wood Waste, Briquettes and Coal, offering reliable and efficient operation.

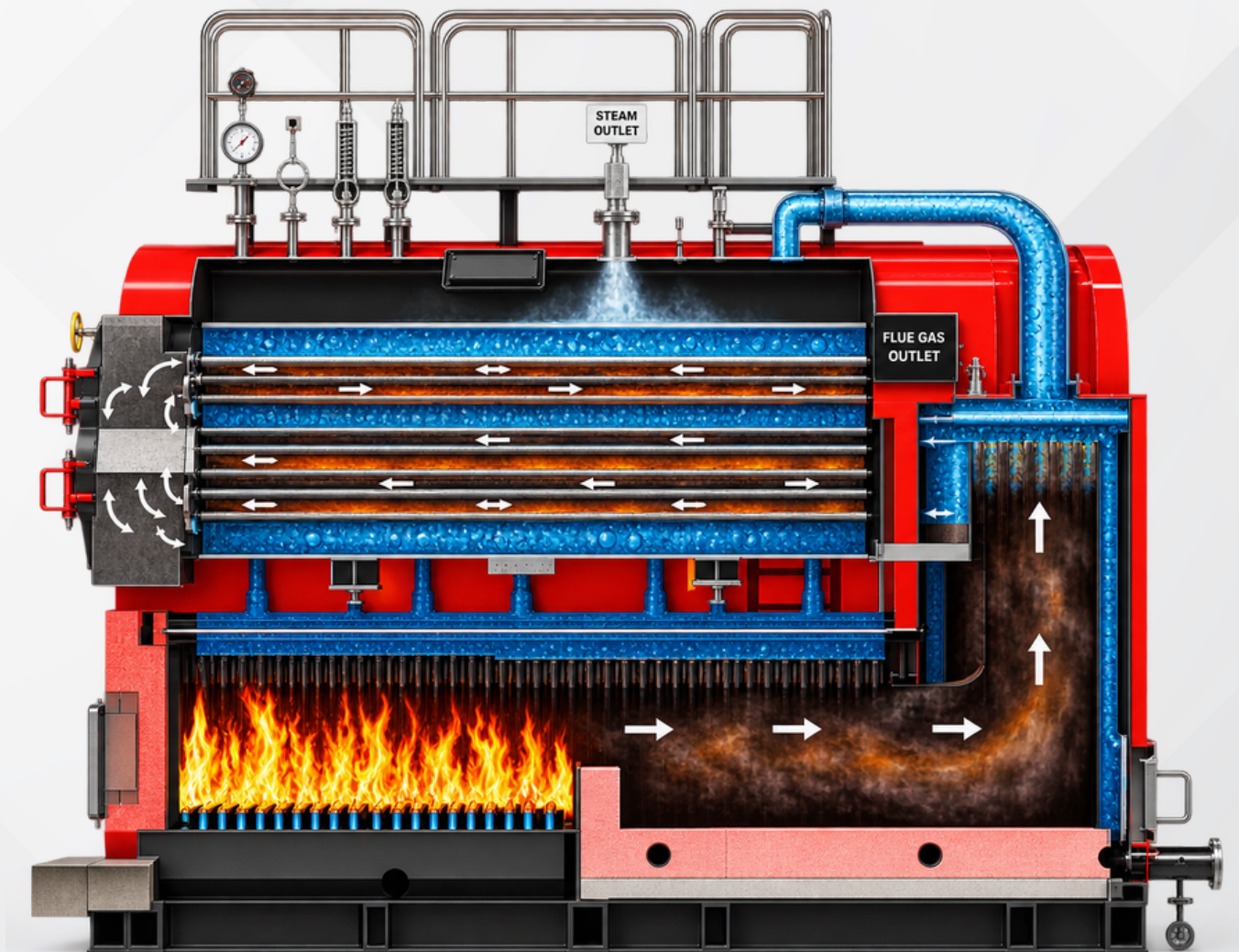


4. MULTI-FLAME (RE):

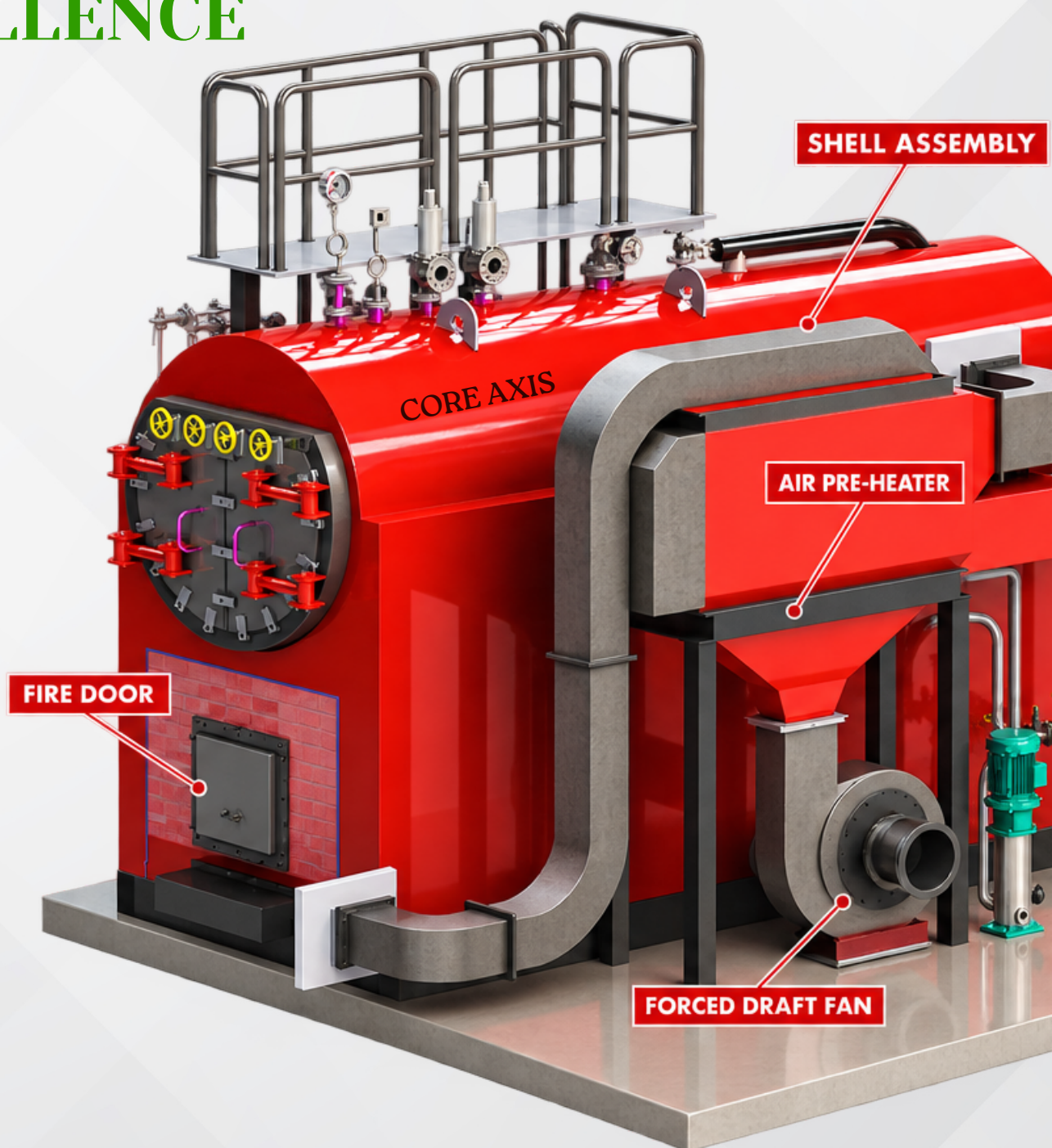
MULTI-FLAME (RE) is a Reciprocating Grate Boiler specially designed for typical agro-fuels. It is supplied as a compact packaged unit with a fuel feeding hopper and drive assembly, ensuring efficient grate movement, uniform combustion, and reliable operation.



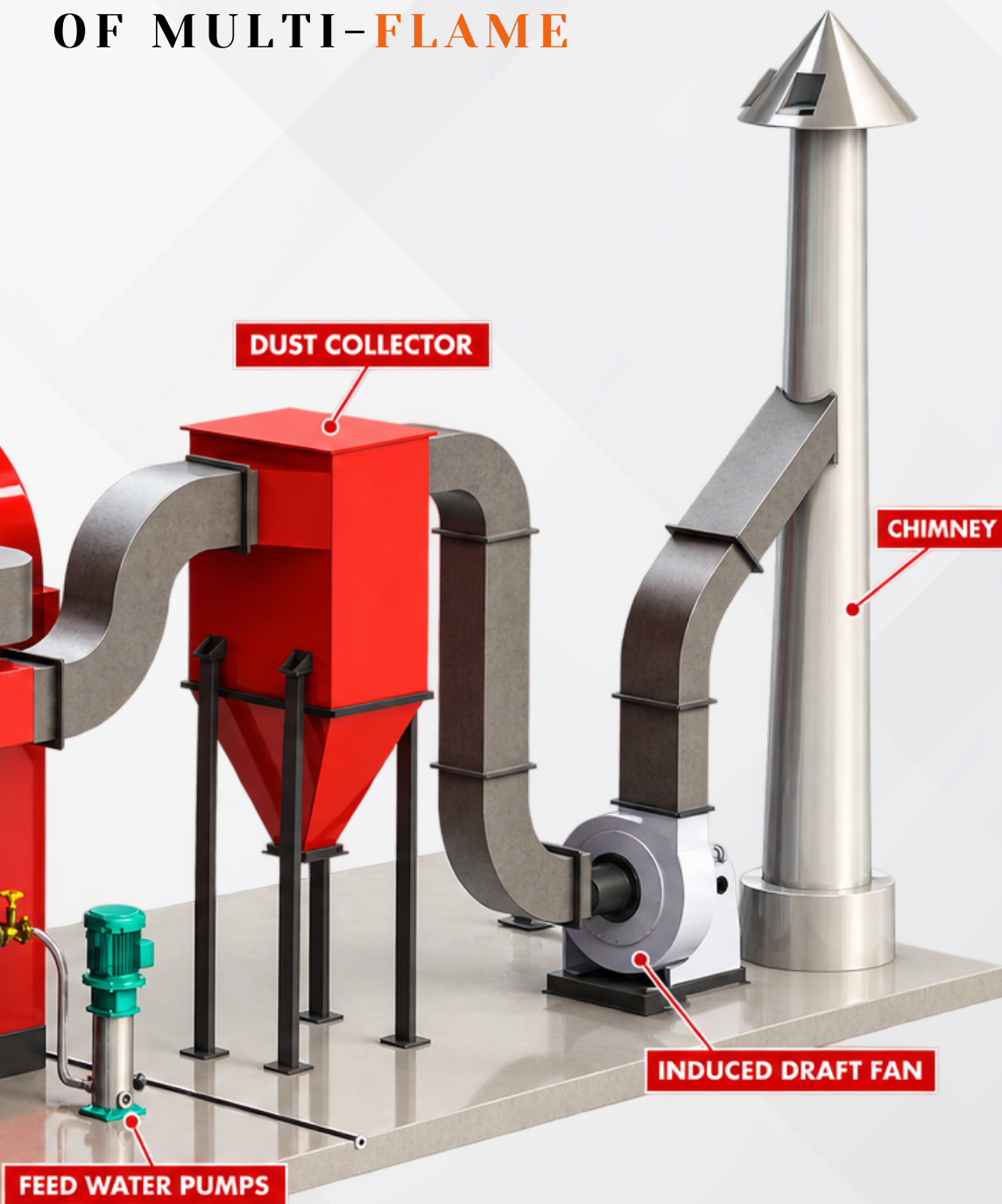
SECTIONAL ELEVATION OF MULTI-FLAME



ENGINEERED FOR INDUSTRIAL EXCELLENCE



GENERAL ARRANGEMENT OF MULTI-FLAME



OUR INFRASTRUCTURE



**AKAYA
ENGINEERING LLP**
(A Joint venture with **Dehu** Group)



**Uttar Pradesh
Manufacturing Unit**

Delhi Office

The Delhi Office, serving as our strategic planning and engineering management hub, is located in Delhi. This facility oversees the execution of all our marketing, design, purchasing, and project management activities.



**Pune Manufacturing
Unit**

In Pune, our facility is equipped to handle the production of pressure parts with a minimum capacity of 5000 MT per year. Additionally, we manage the production of non-pressure parts with value-added equipment, boasting a minimum capacity of 3000 MT per year. Both capacities can be scaled upwards, to meet specific needs.



CORPORATE OFFICE – NEW DELHI

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OFFICE – DURGAPUR (East Zone)

Location - DurgaPur

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MANUFACTURING UNIT – PUNE

Location - Gat No. 390, Dehu-Alandi Road,
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Maharashtra, India



UPCOMING MANUFACTURING UNIT – NORTH

Location - Khasra No: 587/2, Jansath Road,
Village Sikheda, Muzaffarnagar, Uttar Pradesh



SCAN HERE

