

Biomass Pellet based Eco Equipments



Multi-Purpose Cooking

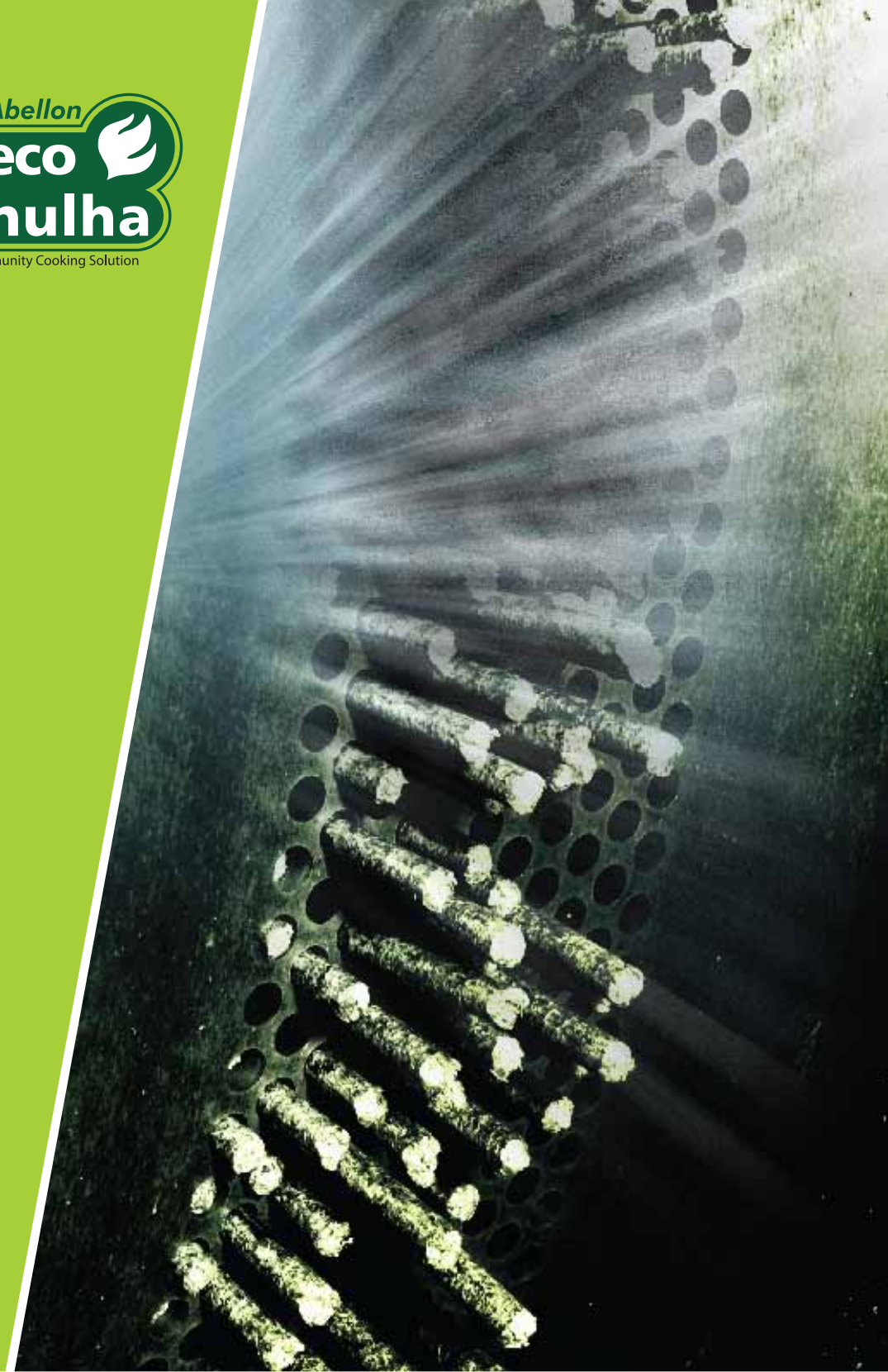


Baking / Frying



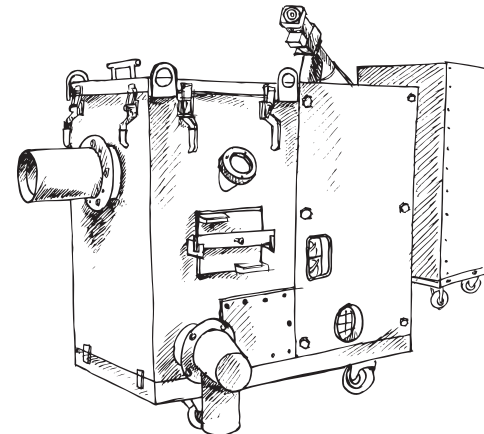
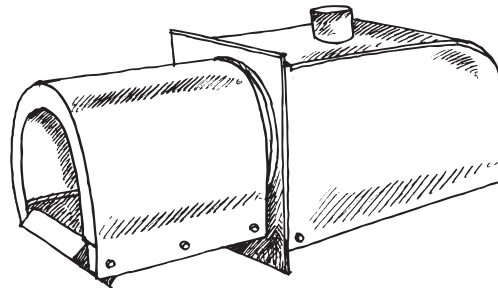
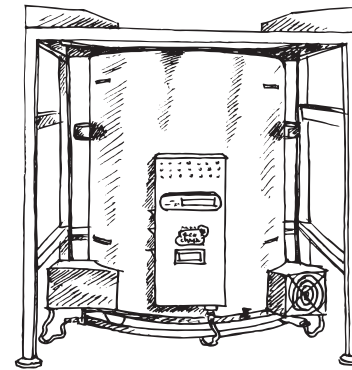
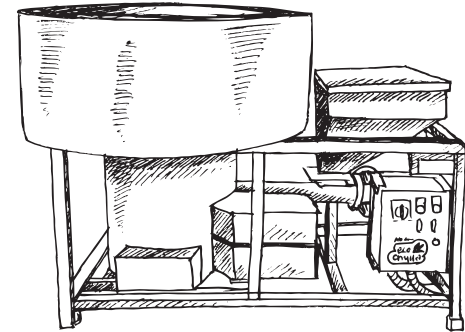
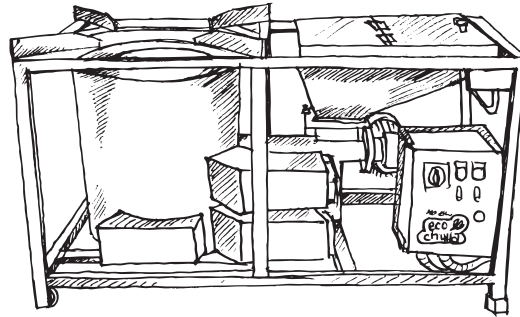
Heating

Commercial | Residential | Industrial



Our Range of Cooking and Heating Solutions

SAVE_{YOUR}
HEATING
— **COST** —
AGAINST
FOSSIL
FUELS



SMART



An Advanced Biomass Pellet based Cooking Solution



- Capacity: 36 kW
- Cooking Capacity: 200 – 500 persons
- Models: SMART-9, SMART-15
- Segment: Hotels, Restaurants, Caterers, Canteen

Testimonial

This is a wonderful product. It provides flame like gas based cook-stove and easy control. I am using it for all kinds of boiling applications for over 500 people. Its stainless steel body provides a great look too.

- Mr. Vinod, AMB Services



Features

- Hi-tech remote controlled panel with
 - Speed variation with voltage control
 - Charging indication and voltage display
 - In-built battery back-up
 - Radio player with channel and volume keys
 - USB port for mobile charging and music
 - Additional, external battery source point to enjoy uninterrupted power supply
- Stainless Steel body
- Caster wheels for easy movement

Benefits

- Consistent and uniform flame
- Smokeless and noiseless operation
- No blackening of vessel
- Clean and hygienic environment
- Safe - no risk of fire

Applications



Boiling



Frying



Roasting

Continuous Feeding Cookstove (CFS)



A Biomass Pellet based Large Scale Cooking Solution



- Capacity: 17 kW to 83 kW
- Cooking Capacity: 400 – 600 persons
- Models: CFS-Mini, CFS, CFS-Boiler, Turbo
- Segment: Hotels, Restaurants, Caterers, Canteen, Namkeen, Industrial

Testimonial

I have been using Continuous Stove since 7-8 months for my restaurant for boiling applications. Earlier I was using LPG and shifting to Continuous Stove has given me 33% saving on fuel cost. It is very convenient to use also.

- Mr. Mukesh, Jalaram

Features

- Fuel-hopper for continuous fuel supply
- Controller for regulating fan speed and fuel feeding
- Ash removal window
- Caster wheels for easy movement

Benefits

- Continuous Operation
- Suitable for all cooking applications
- Smokeless and noiseless operation
- No blackening of vessel
- Clean and hygienic environment
- Safe - no risk of fire

Applications



Boiling



Frying



Steaming

Continuous Feeding Cookstove with Attachment (CFA)



A Biomass Pellet based Customized Large Scale Cooking Solution



- Capacity: 20 kW to 58 kW
- Models: CFA-24", CFA-28" Kadai Sizes
- Segment: Sweet, Namkeen, Farsan

Testimonial

I am using CFA-28" for Namkeen preparations. It has reduced my costing by around 35%. We manufacture around 400 kg namkeen on daily basis on CFA. My cook also likes it because of its low noise compared to diesel bhatthi.

- Mr. Kapoor, Kambeshwar

Features

- Fuel-hopper for continuous fuel supply
- Customized vessel support
- Ash removal window
- Chimney for flue gas removal
- Caster wheels for easy movement

Benefits

- Easy to use
- Smokeless and noiseless operation
- Clean and hygienic environment
- Safe - no risk of fire

Applications



Sweet



Namkeen



Farsan

Green Burner



A Biomass Pellet based Cooking and Heating Solution



- **Capacity:** 50,000 to 150,000 kcal/hr
- **Models:** GB-50, GB-150
- **Segment:** Bakery Oven,
Biscuit Line, Namkeen Fryer

Testimonial

This new technology has completely changed the way work is being done. It is a breakthrough innovation. It is completely automatic and therefore, the worker does not have to worry about fuel while cooking.

- Dalichand,
Brahmani Gruh Udhyog

Features

- PLC based control system
- Auto ignition
- Auto temperature control
- User-friendly touch screen HMI interface

Benefits

- Easy installation
- Minimum retrofitting in existing systems (Bakery, Fryers)
- Smokeless and noiseless operation
- No explosion risk due to high back-pressure
- Green environment

Applications



Bakery Oven



Biscuit Line



Namkeen Fryer

Industrial Pellet Burner

A Biomass Pellet based Industrial / Commercial Heating Solution



- Capacity: 150,000 to 400,000 kcal/hr
- Model: IPB-400
- Segment: Annealing Oven, Boiler, Hot Water Generator, Thermic Fluid Heater, Furnace

Testimonial

This is a nice technology. We have been able to reduce our fuel cost by 30%. I have seen this new concept for the first time and am really impressed.

- Mr. Kishor Agarwal

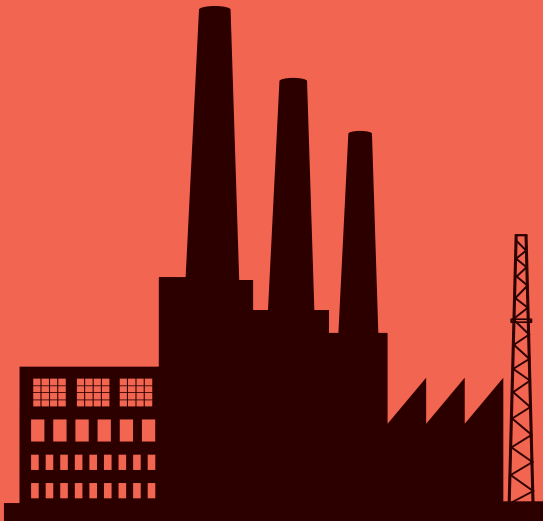
Features

- Auto-ignition
- Auto-temperature / pressure control
- Motorized auto-ash removal
- User-friendly touch screen HMI interface

Operational Comfort

- Need minimum modification in existing system
- Intelligence driven control (PID control) operation offers better operational comfort, accommodation with variable load of application
- No explosion risk due to high back-pressure
- Green environment

Applications



Furnace



Hot Water Generator



Boiler

Eco Shakti



Pelletized Carbon Neutral Solid Bio Fuel for Equipments



Pellet Production
Capacity of
1,00,000
Tons per Year



Our Biomass Pellet Production Facilities, India

Product Details

- Economical alternative and replacement to fossil fuels
- Remarkable flame consistency and burning efficiency
- Safe – No risk of fire hazard
- Round the year fuel availability
- Available in 25kg packaging at the nearest local distributor

Specifications

Particulars	Unit	Value
GCV	kcal/kg	4200 +/-2%
Ash	%	<5
Moisture	%	<10
Bulk Density	kg/m3	630

Pellets are Cost-Effective

Particulars	Pellet (kg)	LPG (kg)	PNG (SCM)	Diesel (ltr.)
Calorific Value (kcal)	4200	12000	9000	9100
Rate (₹)	17	90	55	60
Equivalent Pellet Consumption (kg)	1	2.9	2.1	2.2
Cost of Pellet (₹)		49	36	37
Saving (₹)		41	19	23
Saving (%) (appx.*)		46%	35%	38%

**Note: Fossil fuel rates are considered as per Ahmedabad, Gujarat rates. The above data are based on theoretical analysis and are meant to serve as guidelines only.*

Abellon's Eco Equipments business is one of the fastest growing equipment businesses in India, driven by a revolutionary biomass pellet based technology. These pellets are a clean and green energy fuel to the future and give economical and alternative solution to costly fossil fuels.

Abellon's Eco Equipments has a full range of cooking and heating solution for Residential users, Commercial users (Hotel / Restaurants / Caterers, Dairy, Bakery, Sweet, Namkeen, Farsan shop owners, etc.) and Industrial users.

Abellon EcoEquipments Limited

Designing Solutions for a Green and Clean Future

Sydney House, Old. Premchand Nagar Road, Opp. Satyagrah Chhavani, Bodakdev, Ahmedabad – 380 054, Gujarat, INDIA.

Ph: +91-79-66309334 | M: +91-90999 64309

Email: abellon@abelloncleanenergy.com | Web: www.abellonecoequipments.com