

ECOFRIENDLY

CUSTOMIZED COOKING SOLUTIONS & FUEL
FOR COMMERCIAL & INDUSTRIAL USE



NDMI RENEWABLE ENERGY PVT.LTD.

Save **30% -50%**

Against **Gas and Diesel**

With our Range of Cooking Appliances & Fuel

AGNI : Fuel for Pellet Stove

Pellet Burner Runs On Pellets, A Carbon Neutral Eco Friendly Fuel Made from Wood Residue, It is a Clean Economical and Easy to Use Fuel.

- Round The Year Fuel Availability
- Door Delivery of Fuel
- Safe- No Risk of Fire Hazard



WOOD PELLETS

Product Name	Pellet Fuel
Description	Wood Pellets
Size in mm	6-8 mm
GCV	4300 + or - 5% Kcal
Ash	<5%
Moisture	6 to <10%
Packaging	25 kg

Plot- D33, UPSIDE SITE 2, MUMTAZ NAGAR, AYODHYA (U.P) Pin. 224001

Email: info@ndmi.co.in, Website: www.ndmi.co.in, www.ndmi.net

For Inquiries Call : 9140183743, 9161492000, 05278357387

STOCKIST :

AGNI WOOD PELLET STOVE - CFS

The Continuous Feeding Cookstove is a uniquely designed for large scale cooking and boiling applications. A perfect solution for Sweets & Chenna Making, Hotels, Restaurants and canteens. The stove uses a clean, cost effective and eco-friendly fuel, which is an ideal alternative to fossil fuels like LPG, PNG and Diesel.

Applications

- ◆ Automatic Pellet Feed Mechanism With DC Support
- ◆ Multiple Stage Pellet Feeding System
- ◆ Clean Combustion
- ◆ High Efficiency & Uniform Flames
- ◆ High Grade 1600 Degree resistant combustion chamber.
- ◆ Optional Kadhai Rings & Wonder Tawa Accessories.
- ◆ Stove on Wheels with Continuous usage ease.
- ◆ Multiple Applications for Cooking, Frying, Sweets Processing,
- ◆ Boiling, Snacks, Namkeen etc.
- ◆ Can be Placed below khowa making machines
- ◆ Optional Kadhai Ring Arrangement for frying



Sweet Making



Namkeen Making



Farsan



Chenna



Rasgulla



Other Chenna Items

SPECIFICATIONS

Features	Descriptions
Fuel Required	5-10 Kg. of Pellets per Hour
Operational Time	Continuous (can be run without any break above 8Hrs)
Stove Size	39.5 Length (Including Hopper) X 19.5 Width X 23 Height
Stove Weight	78 kg
Fuel Type	Biomass Pellets (6-8mm)
Efficiency & Ash content	Efficiency 98% & Ash content > 2%
Reactor Type	1600 Degree Temperature Resistant
Battery Cycle	1 Hours Backup
Fans	1 Fan, 12 Volts D.C.
Capacity	Could take load up to 400 Kg.
Performance Indicator	All Purpose Stove , Can be Run at Multiple Levels
Warranty	1 year (stove), 6 months (Electronic Components)

AGNI WOOD PELLET MILK BOILER CUM MAWA MAKER

The Machine is best suited to boil milk & prepare Mawa & Cream items with Traditional taste as cooked on wood pellets and perfect colour.

Applications

- ◆ Automatic Pellet Feed Mechanism With DC Support
- ◆ Multiple Stage Pellet Feeding System
- ◆ Clean Combustion
- ◆ High Efficiency & Uniform Flames
- ◆ High Grade 1600 Degree resistant combustion chamber.
- ◆ Fuel Hopper For Continuous Fuel Supply & Customized vessel Support
- ◆ Multiple Applications for Sweets Making, Milk Boiling & Mawa
- ◆ Can Also run on Solar panel of 100 Watts too.
- ◆ Less than 500 watts of Electricity required.



Mawa



Milk Boiling



Milk Cream

SPECIFICATIONS

Features	Descriptions
Fuel Required	7-15 Kg of Pellets per Hour
Operational Time	Continuous (can be run without any break above 8Hrs)
Stove Size	39.5 Length (Including Hopper) X 19.5 Width X 23 Height
Stove Weight	80 kg
Fuel Type	Biomass Pellets (6-8mm)
Efficiency & Ash content	Efficiency 98% & Ash content > 2%
Reactor Type	1600 Degree Temperature Resistant
Battery Cycle	1 Hours Backup
Fans	1 Fan
Capacity	Could take load up to 800 Kg.
Performance Indicator	All Purpose Stove , Can be Run at Multiple Levels
Warranty	1 year (stove), 6 months (Electronic Components)

AGNI WOOD PELLET STOVE (TYPE-3)

The Machine is best suited to prepare Boondi & Namkeen with Traditional taste as cooked on wood pellets and perfect colour.

Applications

- ◆ Automatic Pellet Feed Mechanism With DC Support .
- ◆ Multiple Stage Pellet Feeding System .
- ◆ High Performance Vertical flame Combustion burner.
- ◆ High Efficiency & Uniform Flames.
- ◆ High Grade 1600 Degree resistant combustion chamber.
- ◆ Fuel Hopper For Continuous Fuel Supply & Customized vessel Support.
- ◆ Multiple Applications for Sweets Namkeen, Sev & Boondi Applications.
- ◆ Best machine Available in India so far for Boondi applications.
- ◆ Less than 200 watts of Electricity required.
- ◆ Can Also run on Solar panel of 500 Watts too.



Boondi



Balmoth



Sev



Bhujia

SPECIFICATIONS

Features	Descriptions
Fuel Required	15-40 Kg of Pellets per Hour
Operational Time	Continuous (can be run without any break above 12Hrs)
Temperature Control	Highest & Lowest Side auto Cut with Digital Display & temperature sensor probe is provided.
Stove Weight	100kg (Without Ring & Chimney)
Fuel Type	Biomass Pellets (6-8mm)
Pressure & Safety	Thermal Safety & Backpressure Device equipped.
Efficiency & Ash content	Efficiency 98 % & Ash content > 2%
Reactor Type	1600 Degree Temperature Resistant
Battery Cycle	8-10 Hours Backup after full charge of 4-5 Hours. (12V, 80AH Battery)
Fans	1 Blower 230Volts AC
Capacity	Could take load up to 800 Kg.
Performance Indicator	High Temperature Application stove, Can be Run at Multiple Levels
Warranty	1 year (stove), 6 months (Electronic Components)

AGNI WOOD PELLET MINI STOVE

The Machine is best suited to prepare milk which requires extremely low heat such as Rabri ,Kulfi & Kalakand items with Traditional taste . The Machine can be run as simmer as LPG stove could .



Applications

- ◆ Automatic Pellet Feed Mechanism With DC Support .
- ◆ Multiple Stage Pellet Feeding System.
- ◆ High Performance Combustion Stove.
- ◆ High Efficiency & Uniform Flames.
- ◆ High Grade 1600 Degree resistant combustion chamber.
- ◆ Fuel Hopper For Continuous Fuel Supply & Customized vessel Support.
- ◆ Suits Low heat Sweets Making, Boiling & Frying Applications upto 25 ltrs
- ◆ Less than 100 watts of Electricity required.
- ◆ Can Also run on Solar panel of 100 Watts too.



Sweet Making



Namkeen Making



Farsan



Chenna



Rasgulla



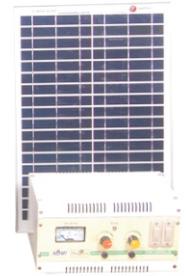
Other Milk Items

SPECIFICATIONS

Features	Descriptions
Fuel Required	2-6 Kg of Pellets per Hour
Operational Time	Continuous (can be run without any break above 4-5Hrs)
Ceramic Ring	18" Ring suits Kadhai upto 22 Inches
Stove Weight	50 kg (Without Ring & Chimney)
Fuel Type	Biomass Pellets (6-8mm)
Efficiency And Ash conten	75 % & Ash content Is Greater Than 2%
Reactor Type	1600 Degree Temperature Resistant
Battery Cycle	1 Hours Backup
Fans	1 Fans , 12Volts DC
Capacity	Could take load up to 200 Kg.
Performance	All Purpose Stove , Can Run at Multiple Levels
Warranty	1 year (stove), 6 months (Electronic Components)

Also Available

Biomass Cookstoves for different mass cooking applications.



AGNI JUMBO STOVE (20kg. Feed)



AGNI DELUX STOVE (10kg. Feed)



AGNI ECO STOVE (5kg. Feed)

Applications



Boiling



Roasting



Steaming

NDMI Burners excels in combustion efficiency. In combination with intelligent power Controls & High Alumina content ceramic combustion Chambers it saves as much as 28% of fuel in comparison to conventional biomass combustion Heaters and Stoves & 50% if compared to LPG and Diesel Burners.

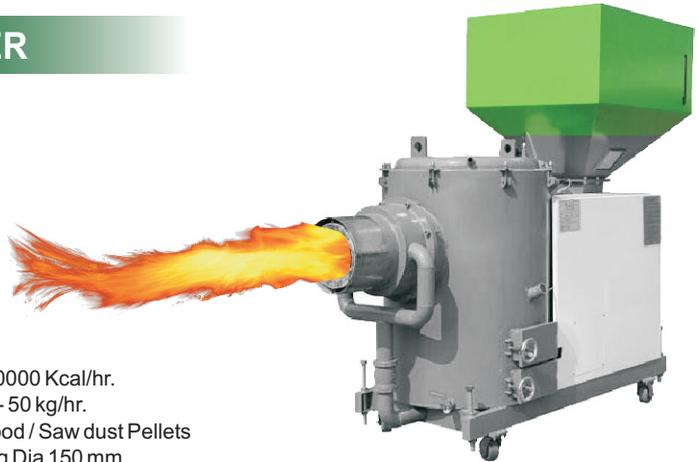
AGNI WOOD PELLET BURNER

FUEL DATA (PELLETS)_ Any standard make

Pellet diameter	: 8/ 6 mm
GCV	: 4000+/- 2% (k cal/kg)
Ash	: <5%
Moisture	: <10%
Bulk Density	: 600-730kg/m3
Make	: Any Standard
Raw material	: Pure pine wood

TECHNICAL INFORMATION

Burner Capacity (Kcal)	:	200000 Kcal/hr.
Fuel Feeding Rate (Min-Max)	:	20 - 50 kg/hr.
Fuel	:	Wood / Saw dust Pellets
Fuel Consumption at Max	:	Avg Dia 150 mm Avg. Length 750-900 mm (Depending upon fuel feeding rate)
Combustion head Dia	:	@ 180 mm
Combustion head length	:	440V - Three Phase
Power - max	:	@ 1HP
Power - average run	:	@0.7 HP
Ignition	:	1. automatic Option also 2. Manual (to avoid routine maintenance of heater as one time process in day)
Ash Handling	:	Manual from fire door (no need to stop burner for it) (to avoid Un-necessary routine maintenance of cylinder & grates.
Fuel Feeding	:	Automatic by programmed PLC screw feeding mechanism & Level Sensor.
Temp control & burner operation	:	Automatic through PLC controlled pre-wired panel & J type Temp Sensor.
Control Panel	:	PLC control panel incl. colour touch screen HMI, VFD for Blower, Relays, Fuses, Buzzer & other standard safety control feature



Overall dimensions

Length (mm)	:	1800
width (mm)	:	900
Height (mm)	:	1600
		(Subject to change in final design)
Weight	:	950 Kgs. Approx

MAIN FEATURES & BENEFITS

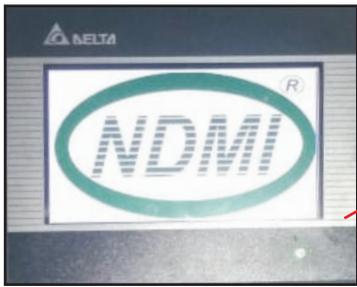
- ◆ Suitable for small & medium industrial processes
- ◆ PLC with auto temp control system
- ◆ Manual easy ignition mode
- ◆ Auto temperature / pressure control
- ◆ Easy ash removal method with HOLD MODE of PLC
- ◆ User friendly touch screen HMI
- ◆ Save 30-50% in fuel cost against LDO/LPG/PNG/NG/FO*
- ◆ No/Less modification is required in existing system
- ◆ Easy installation
- ◆ No explosion risk due to less fire hazzard
- ◆ Controlled combustion
- ◆ Green eco-friendly environment

PRODUCTION DESCRIPTION

- ◆ Fully automatic step modulation burner with easy auto ash removal system. The burner is intended to be used with 6-8 mm dia pellets.
- ◆ Can be retrofitted in different liquid/gaseous/solid fuel based equipment systems.
- ◆ Designed with automatic output control based on temperature or pressure requirement of the existing system which makes it, extremely user friendly.
- ◆ The unique ignition and automatic output control, provide greater flexibility makes using this pellet burner very easy
- ◆ The burner is equipped with an air chute for protection against back-burning.
- ◆ This is also uniquely designed to prevent back firing of fuel.

AGNI CONTROL PANEL FEATURES

- ◆ Graphic Display
- ◆ Info Key
- ◆ Intelligent Processor
- ◆ Alarm System
- ◆ Bright Light Indicators
- ◆ Feaul Sating



Applications



Biscuit Oven



Oil Heating Fryers



Rotomoulding



Aluminium melting furnace



Hot air generators