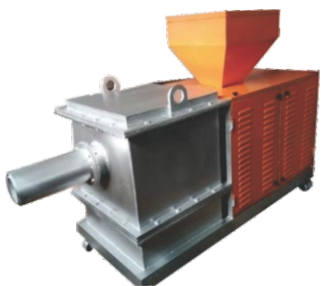




Flame India



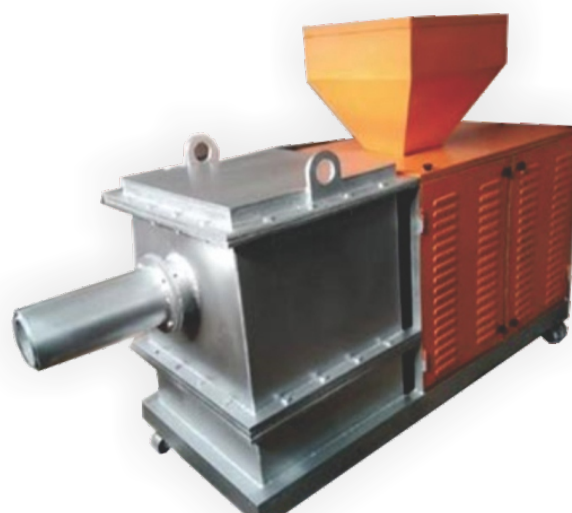
**Mfg. Of : Diesel Burner, LDO Burner, GAS Burner, Pellet Burner,
Hydraulic Power Pack All Type Of Burner Manufacturer**

47- Gopal Charan Estate Opp. Road No-5 Kathawada GIDC, Ahmedabad-Pin : 382430.
Mo.: 9909920558 **Website :** www.flameindia.co.in **E-mail :** flameindia24@gmail.com



Wood Pellet Burner

We **"Flame India"** Are Manufacturing Pellet Burner. The Pellet Burner Is An Eco-friendly Heating Solution, Designed To Convert Furnace Oil, Diesel Or Gas Based Systems Into A Biomass-based System Which Is Economical, Carbon Neutral, Clean And Sustainable. It Is Used In Large Scale Cooking As Well As Many Industrial Applications Like Chemical, Pharmaceutical, Asphalt Batch-mix Plants, Printing And Many More. Pellet Burner Is Equipped With Real Time Data For Monitoring And Automatic Control Mechanism To Work According To The System Requirement. It Is A Perfect Alternative Cost Effective Solution For Diesel And Gas Based System.



Industrial Burners

PERTICULAR	Unit	FI-50	FI-100	FI-150	FI-200	FI-300	FI-400	FI-600
Capacity	Kca1/hr.	50000	100000	150000	200000	300000	400000	600000
Fuel Feeding Rate	Kg/hr	15	25	35	50	75	100	150
Power	Hp	0.5	0.5	0.5	1.0	2.0	2.0	3.0
PLC Control Panel	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Secondary Fuel Feeder	-	N/A	N/A	N/A	N/A	Optional	Optional	Optional
Auto - Ash Removal	-	N/A	N/A	N/A	N/A	N/A	Optional	Optional

Advantage

- Specially designed for continuous industrial operation.
- Eco friendly combustion.
- Very low sox-nox which completely under limit of polution control board.
- Lower cost of fuel compared to oil (hsd/ldo/fo) & gas (lpg/png/cngpropane)
- Minimum guaranteed 30 to 50% savings in fuel cost.
- Easy to store, handle, transport of pellets.
- Auto adjusting modulating firing mode based on feedback of process temp/pressure.
- Provision of additional manual mode operation in the case if plc fails.
- Storage silo provision for one shift fuel storage & to avoid frequent re-fuelin.
- Equal quality, un-interrupted availability of pellets, all the seasons.
- Very small ash content as residue after burning.
- Low power consumption & clean & silent operation.
- Compact sized compare to wood gasifier system.



Wood Pellet Burners I Industrial Series

PERTICULAR	Unit	FI-100	FI-150	FI-200	FI-300	FI-400	FI-600	FI-800	FI-1000	FI-1200
Capacity - Max	Kca1/hr.	1,00,000	1,50,000	2,00,000	3,00,000	4,00,000	6,00,000	8,00,000	10,00,000	12,00,000
Fuel Feeding Rate - Max	Kg/hr	25	36	49	73	98	147	195	243	293
Power	Hp	0.5	0.5	1	2	2	3	3	5	7.5
PLC Control Panel	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Secondary fuel feeder	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes	Yes

Fuel For Burner - Wood Pellets

Pellet burners run on Wood/Agri-waste, carbon neutral & eco-friendly Pellets. Safe to store - No risks of hazards flexible in packages from 25 kg bag to 600 kg. Option for 5x rate yearly supply contract also.

PERTICULAR	Unit	Value
GCV	Kca1/hr.	4100 + 2%
ASH%	%	<2-3%
Moisture %	%	<10
Bulk Density	Kg/m3	600-730



Why Pellets are Economical

PERTICULAR	Pellet (Kg)	LPG (Kg)	LDO (Kg)	Diesel (Ltr)
Caloriꠁc Value (Kcal)	4100	12000	10200	9100
Rate (Rs)**	12-16 Max	85	65	90
Equivalent Pellet Consumption		2.9	2.5	2.2
Cost of Pellet (Rs)		40	33	30
Tentative Saving (Rs)		24	16	32
Saving in %		37%	33%	51%

****Savings on Price is subjected to very based on fuel market rates**



Concept

We are serving proven & efficient series of bio-mass pellet fired burners...

This is basically European concept for environment friendly combustion heating process...

Why eco-friendly ? Because PELLETS are made from woods & agri - waste, which are. :

- **Renewable** source of energy
- **Carbon** neutral fuel
- No fossil fuel - Very low **Sox** or **Nox** release - No **CO** release
- Alternate Low - cost source of energy against conventional **Oil & Gas**
- Locally Available

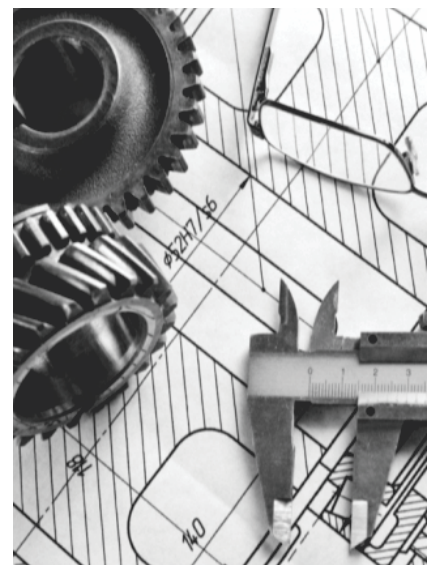
Benefits

- **Eco friendly** combustion
- **Lower cost** of fuel compared to Oil (HSDA.DO/FO) & Gas (LPG / PNG / CNG / Propane)
- Minimum **30 to 50 % savings** in fuel cost is guaranteed
- **Easy to** store , Handie and Transport
- Equal quality , un- interrupted **availability** of pellets @ all the seasons all over India
- Very small ash content (Approx 2-3 %) as residue after burning.
- **Highly efficient** (90-95 %) controlled combustion
- **Low power** consumption
- **Clean & Silent** operation
- **Compact sized** installation compared to Wood Gasifier
- Very **few modification required** to replace existing Oil & Gas burner

Why we???

- **PATENTED DESIGN**

- Management is from qualified technocrat who have rich experience in combustion technology since 20 years.
- We have put up in - depth for 7 years to develop these products.
- Well organized & established Manufacturing facility
- Proven product as 400+ installations are done.
- Most of imported burners do not succeed here due to high Ash & moisture content in Indian wood / agri - waste compared to foreign countries
- As an additional service , we are also taking contract to supply fixed rate , over the year and door delivery quality pellet supply on client's demand anywhere in India.





Application

Biomass

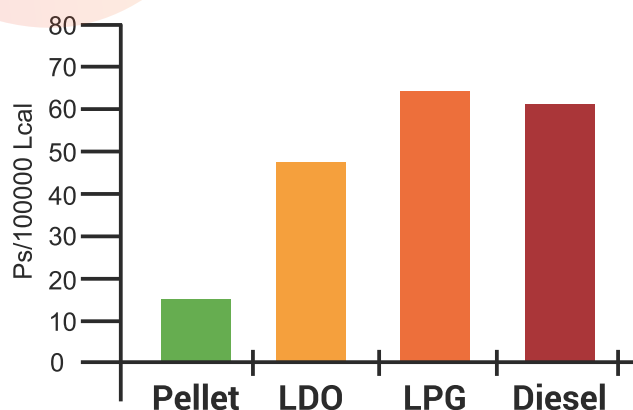
Continuous significant increase in prices of liquid & Gaseous fuels is increasing interest in lot of cheaper, alternative sources of energy everywhere. We are glad to offer our range of Burners at Flame India allows you to effectively burn renewable fuel i.e. wood Pellets. The relatively low price of Bio - Fuels can save up to 50 % in fuel costs.

Wood Pellets

Pellets are formed by compressing the saw dust / agri raw material at high pressure, without any chemical adhesives. Pellet fuel is environment friendly and also easy to transport, to store and to distribute. They are characterized by allowing moisture content, low ash and they are not harmful to the environment as carbon neutral fuel and they are having high energy value.

Application

These products are proven out - come of our in depth R & D efforts and it can be useful as cheaper heating solution at steam boilers, Thermic fluid, heaters. Hot air Generators, Hot water generators, Bakery ovens, Asphalt Batch - Mix Plants, Chemical Industries, Pharmaceutical Printing and many more industries



Comparison of Fuel Cost * Data for 2016

The above data are subject to vary based on fuel market scenario & are meant to serve the guidelines only



Continuous Line



Circular Fryer



Namkeen | Chips | Sev
Dal | Biscuit



Rectangle Fryer



Asphalt Mix



Plastic
Roto-Molding



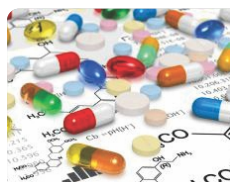
Aluminum Melting



Printing & Paper



Textile Industries



Pharmaceutical



Thermic Heater



Bakery Oven