

INOVATING SOLUTIONS



Manufacturer of Industrial Wood Pellet Burner
and Aluminum Melting Furnace.



**save
up-to
50%
of your
fuel
cost**

Manufacturer of
BIOMASS
PELLET BURNERS &
ALUMINIUM
MELTING FURNACES

ENERGY SOLUTIONS

Manufacturer of Industrial Wood Pellet Burner and Aluminum Melting Furnace.

WHO WE ARE

Energy Solutions is a quality manufacturer, exporter and supplier of Entire Range of Burner Manufacturing Industries. those comprise of **Wood Pellet Burner, Aluminum Melting Furnace, Pellet Stove, Thermic Fluid Heater** and Much more.

Energy Solutions is a customer centric organization. We use advanced process techniques and high-grade raw materials. That makes our products highly competent in any condition. We are dedicated to designing tailor made products and systems with compact and user friendly designs, which makes them quality and cost-effective products. We work on our customers' old designs to innovate new ones. All the products of our company are as per international standards. We mainly believe in the abilities of our manpower as the company has splendid support of skilled designers and engineers. We use proficient machinery. These all accomplish barrier-free field and enable us to accomplish the project perfectly and within the time frame. We are the professionals who believe not only in manufacturing and supplying products but developing a perpetual relation with clients, by providing excellent onsite and offsite service.

OUR VISION

We believe in long term business relationship. Our ultimate aim is to satisfy our clients with our products and services. We do not compromise with the quality, genuineness and workmanship which leaves a permanent impact on our customers and invariability they recommended our Products.

APPLICATION AREA

Energy Solutions pellet burner are used in many different applications. With our best research and knowledge you will get the most suitable and cheaper heating solution for steam boiler, Bakery Ovens, Hot Air Generators, Hot Water Generators, Thermic Fluid heaters, Chemical Industries, Pharmaceutical Industries, Asphalt Batch-Mix Plants, Printing Industries and heating processing industries.

WHY ENERGY SOLUTIONS...!

- Very good service support 24 x 7 service line.
- Very good sales support 24 x 7 Sales line.
- Highly skilled, experienced and dedicated team of engineers and technicians.
- Professionally managed unit with fully equipped workshop to meet most stringent quality standard to serve as client's requirement.
- Very fast delivery support. Can also provide work status upon request.
- Low Maintenance Cost.

OUR MISSION

“Our team at ENERGY SOLUTIONS strives to supply our customers exactly what they require in order to be successful i.e. prompt service, products of superior quality and special customized solutions within the best time as well as fair prices”.



ENERGY SOLUTIONS**Wood Pellet Burner**

We **Energy Solutions** are leading Manufacturer of wood pallet burner. pallet 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.

Our Burners are made by high quality and the most technologically advanced burners. 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 systems.

**ENERGY SOLUTIONS`
Industrial Burners**

Perticular	Capacity	Fuel Feeding Rate	Power	PLC Control Panel	Secondary Fuel Feeder
Unit	Kcal/hr.	Kg/Hr	HP	-	-
ES-50	50000	12.5	0.25	Yes	N/A
ES-100	100000	25	0.50	Yes	N/A
ES-150	150000	37.5	0.75	Yes	N/A
ES-200	200000	50	1.0	Yes	N/A
ES-300	300000	75	1.5	Yes	Optional
ES-400	400000	100	2.0	Yes	Optional
ES-600	600000	150	3.0	Yes	Optional
ES-800	800000	200	4.0	Yes	Optional
ES-1000	1000000	250	5.0	Yes	Optional

**ENERGY SOLUTIONS` Burner
Advantages**

- Ash Free Burner for Closed System.
- Our Burner is Specially Designed For continuous industrial operations.
- Ash & Clinker transfer to production equipment reduced by 99.5%.
- Pellet fuel cost is lower then Oil (HSD/LDO/FO) & Gas (LPG/PNG/CNG/Propane).
- Auto adjusting modulating firing mode based on feedback of process temp/pressure.
- Up-to 30 to 50% savings in fuel cost guaranteed.
- Manual mode is also available with PLC.
- Storage Silo provision for one shift fuel storage & to avoid frequent re-fueling.
- Very low Sox-Nox which completely under limit of pollution control board.
- Equal quality pellets fuel available in all seasons.
- Very small ash content as residue after burning .
- Low power consumption & Clean & Silent operation.
- Compact sized compare to Wood Gasifier system.

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ENERGY SOLUTIONS

Aluminum Melting Furnace

We **Energy Solutions** are leading Manufacturer Of Aluminum Melting Furnace. Our Product 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.

Our Pellet fired aluminum melting furnace is used for melting or melting aluminum, lead, tin, zinc, cadmium and other low melting non-ferrous metal and alloy. It usually cooperates with die casting machine, used in liquid aluminum insulation and refined. Further, biomass staff is the alternative fuel to replace gas, electric and oil. Normally, it can help enterprises reduce 30%-50% of the energy consumption costs.



ENERGY SOLUTIONS`

Why Pellets are economical..?

Perticular	Pellet (KG.)	LPG (KG)	LDO (Ltr.)	Diesel (Ltr.)	FO (Ltr.)
Calorific Value (Kcal)	4100	12000	8200	10000	7200
Rate (Rs)*	16 - Max	75	70	90	45
Pellet Consumption	-	2.9	2.0	2.5	1.75
Cost of Pellets (Rs)	-	46	32	40	28
Tentative Savings (Rs)	-	29	38	50	17
Saving in %	-	38	50	55	37



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Wood Pellets
Fuel For Our Burner...

