



VERTICAL BIOMASS PELLET BURNER (AFS)

AUTO FEEDING SYSTEM PELLET BURNER

- BURNER MODEL : BRV30-1 Kcal (RANGE : 20000 Kcal to 100000 Kcal)
- BURNER MODEL : BRV50-1 Kcal (RANGE : 30000 Kcal to 100000 Kcal)
- BURNER MODEL : BRV50-2 Kcal (RANGE : 50000 Kcal to 200000 Kcal)



FUEL : Wood Pellet
INPUT SIZE : 6mm to 10mm
AUTOMATIC CONTROL PANEL-WITH TEMP. SENSOR

PELLET CONSUMPTION (Per/Hr) :

- 1 LKcal - Min-5 Kg & Max-25 Kg (Approx 4000 GCV)
- 2 Lkcal - Min-10 Kg & Max-50 Kg (Approx 4000 GCV)

BEST APPLICATION

Namkeen Factory , Catering ,Hotels,
Canteen, Bakery,Sweets Mart and All Food Production Unit,
Metal Melting Industry



BIOMASS INDUSTRIAL FRONT FIRE BURNER



CAPACITY	UNIT	FFB1KC	FFB2KC	FFB3KC	FFB4KC
CAPACITY	KCAL/Hr.	1,00,000	2,00,000	3,00,000	4,00,000
FUEL FEEDING -MAX	Kg/Hr.	25	50	75	100
POWER	HP	0.5	1	2	2
CONTROL PANEL	Yes	Yes	Yes	Yes	Yes

SAVE YOUR
FUEL COST

50%

Against Diesel / Gas / LDO / F.O. / Electric

Let's Replace traditional fuels like
wood, coal, gas, and diesel with eco-friendly biomass.

FUEL : Wood Pellet	AUTOMATIC CONTROL PANEL-WITH TEMP. SENSOR
INPUT SIZE : 6mm to 10mm	

FEATURES

- Fully Automatic And Eco Friendly Combustions Process
- Long Lasting And Easy To Maintain Design
- Auto Control Panel With High Medium In Low
- Low Power Consumption
- Single Phase Power Supply

BEST APPLICATION

NAMKEEN FACTORY / BAKERY OVEN / CHANA & PEANUT ROASTER / CENTRAL HEATING
BOILER / TEXTILE INDUSTRIES / HEAT EXCHANGER / PHARMA INDUSRIES

ALUMINIUM MELTING FURNACES



ALUMINIUM MELTING FURNACES MODELS :

CAPACITY	UNIT	AMF-100	AMF-300	AMF-600
CAPACITY	Crucible	100kg	300kg	600kg
FUEL FEEDING -MAX	Kg/Hr.	50	75	150
POWER	HP	1	2	3
CONTROL PANEL	Yes	Yes	Yes	Yes

FABON Engineering Manufacturing Aluminum Melting Furnace using Biomass Pellets. Biomass pellet-fired furnaces are an eco-friendly and cost-effective alternative to traditional gas or oil-fired furnaces.

KEY FEATURES OF A BIOMASS PELLET-FIRED ALUMINIUM MELTING FURNACE

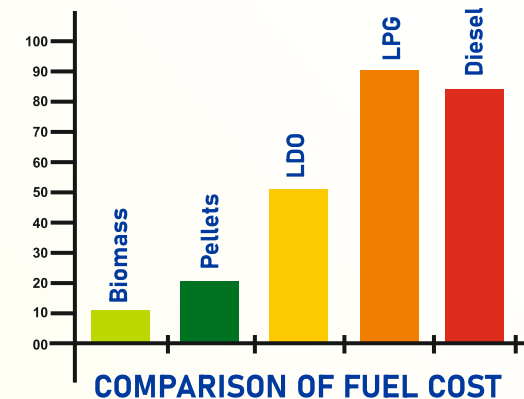
- ✓ **Eco-friendly** – Uses renewable biomass fuel, reducing carbon emissions.
- ✓ **Cost-effective** – Lower operational cost compared to fossil fuels.
- ✓ **High Efficiency** – Advanced combustion for better heat transfer.
- ✓ **Consistent Temperature Control** – Ensures uniform melting of aluminum.
- ✓ **Low Maintenance** – Designed for long operational life.

APPLICATIONS

DIE CASTING INDUSTRY / ALUMINIUM RECYCLING / FOUNDRIES & METAL CASTING
AUTOMOTIVE INDUSTRY / CONSTRUCTION & INFRASTRUCTURE / CONSTRUCTION & INFRASTRUCTURE

IMPORTANCE OF BIOMASS FUEL

- ✓ 1. Renewable & Sustainable Energy Source
- ✓ 2. Reduces Carbon Emissions
- ✓ 3. Cost-Effective Alternative to Fossil Fuels
- ✓ 4. Energy Independence & Security
- ✓ 5. Efficient Utilization of Waste
- ✓ 6. Job Creation & Rural Development
- ✓ 7. Versatile Applications
- ✓ 8. Government Support & Incentives



Benefits

- ✓ 1. Eco Friendly Combustion
- ✓ 2. Lower Cost Fuel Compared to HSD/LDO/FO & GAS-LPG/PNG/CNG
- ✓ 3. Minimum 30 to 50% Saving in Fuel Cost is Guaranteed
- ✓ 4. Easy to Store, Handle and Transport
- ✓ 5. Highly efficient (90 -95% Combustion)
- ✓ 6. Low Power Consumption.
- ✓ 7. Clean & Silent Operation.
- ✓ 8. Very low ash Content (Approx-2-4%) after Burning.

"FROM POLLUTION TO SOLUTION – Biofuels are the bridge to a greener future!"



FUEL CONVERSION COST SAVING TABLE							
Product	Biomass Pellet	LPG	PNG	Electricity	HSD	LDO	FO
Unit	KG	KG	SCM	KWH	LITER	LITER	LITER
GCV in kcal/unit	4300	11500	8500	860	10400	10000	9500
Fuel efficiency %	85	92	90	100	89	85	80
Effective CV Per Unit	3655	10580	7650	860	9256	8500	7600
Equivalent Pellet required in Kg		2.9	2.1	0.2	2.5	2.3	2.1
Price (INR)	16	85	52	9	90	70	60
Costing for 10,000 Kcal	43.8	80.3	68.0	104.7	97.2	82.4	78.9
% Savings in Pellet	-	45.5	35.6	58.2	55.0	46.8	44.6



"Convert your current fuel into biofuel—power the future sustainably!"