

JAS-ANZ



AN ISO 9001-2015 Certified Co.

K.L.G. INDUSTRIES

BIOMASS/SAWDUST PELLET MAKING PLANT CATALOG



Website: www.klgindustries.com

SEQUENCE OF THE PLANT

DRYING

1



PULVERIZING

2



MIXING

3



PELLETING

4



SIEVING

5



1

DRYING SECTION



Rotary Dryer

The continuous way of reducing the moisture in the raw material with the help of furnace / burner/oil. The process is done with the help of the rotation of the dryer on a constant speed. The capacity varies with the dia of the drum



Flash Dryer

Most effective way of reducing the moisture in the raw material is to install a flash dryer.

The furnace produces heat and the blower take the raw material to the cyclones through ducting and then the final output comes out from the final cyclone.

PULVERIZING SECTION



Pulverizer

An ideal mill to grind anything in biomass materials. The Pulverizing is done in mid air by hammers, unlike friction grinding in other grinding mills. The material is then sieved and pneumatically carried to the cyclone from where it comes out.

CAPACITY

KLG Junior - 500kgs-700kgs/hr.
 KLG Medium - 1000kgs-1200kgs/hr.
 KLG Super- 1500kgs-2000kgs/hr.
 KLG Jumbo- 2000kgs-3000kgs/hr.

MIXING SECTION

Horizontal mixers are most suitable for processing Biomass materials. These mixers are real versatile machines. They produce homogeneous mix of ingredients. MOLASSES, LIQUIDS, FATS can be directly added. It can also be fitted with water spray system. These mixers have the following features:-

1. Designed for trouble free service.
2. Unique Tumbling action giving good accurate mixing.
3. Within 5 minutes an excellent homogeneous mix is prepared.



Horizontal Mixer

CAPACITY

KLG Junior - 200kgs-300kgs/Batch
 KLG Medium- 500kgs -700kgs/Batch
 KLG Super - 1000kgs-1200kgs/Batch
 KLG Jumbo - 2000kgs - 2200kgs/Batch

PELLETING SECTION



Vertical Flat Die Pellet Machine

Both types of pellet mill viz VERTICAL as well as HORIZONTAL are manufactured under strict supervision of engineers specialized in this field. These machines can meet all needs of any types of pellets for Biomass.

The heart of the pelleting machine is in the ROLLER'S/DIE'S system which are made out of special ALLOY STEEL and are hardened to reduce the wear and tear.

CAPACITY

- KLG 20" - 500kgs-800kgs/hr.
- KLG 24" - 1000kgs-1500kgs/hr.
- KLG 30" - 1500kgs-2000kgs/hr.

- High efficiency pellet mill with motor
- Auto lubrication system with oil pump and motor
- Double cooling system for oil cooling and-air cooling by Radiator and water cooling by heat exchanger.
- 4 bag small dust collector with motor and blower
- Sensor system 1: Real time oil temperature checking
- Sensor system 2: Auto tripping at low pressure in oil circulation
- Electric panel- Regular type
- Chain block with stand
- Tool kit

CAPACITY

- KLG Junior - 500kgs-800kgs/hr.
- KLG Medium - 1000kgs-1500kgs/hr.
- KLG Senior - 1500kgs-2000kgs/hr.
- KLG Super Senior - 2500kgs-3500kgs/hr.



Vertical Ring Die Pellet Machine

SIEVING SECTION



Sieving is done after the pellets are produced. This is done to remove dust from the pellets after it has been produced by the pellet machine.

APPLICATIONS OF BIOMASS PELLETS



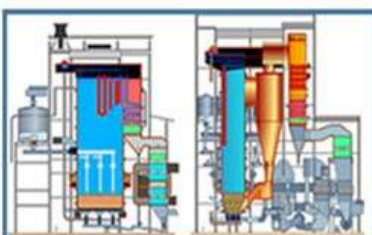
home heating



grilling



horse bedding



industrial boilers



Biomass gasifiers



power station

MANUFACTURERS



EXPORTERS

Address: 13, Focal Point, BATALA-143505(Pb.-INDIA)

Tel. Fax. : 01871-221988

Mobile: 0091-98140-75591, 0091-98559-75591

E-Mail: klgindustries@yahoo.com,

klgindustries786@gmail.com

Website: www.klgindustries.com