

Pellets manufacturing plants

From KERN we make available all the necessary technology for the manufacture of pellets, covering all stages.

- Pretreatment of raw material: debarking and chipping
- Storage and transport of raw material
- Drying
- Grinding
- Granulation
- Cooling and screening
- Packaging and palletizing

KERN develops "turnkey" installations for the manufacture of pellets from 0,5Tn/h to 5Tn/h from diverse materials, such as feed, fodder or wood.



Briquette manufacturing plants

Briquetting is one of the most economical options facing the need to compact a product or residue, previously dried and of an adequate granulometry, in order to obtain an energy revaluation or to reduce its volume.

KERN develops "turnkey" installations for the manufacture of briquettes from 150Kg/h to 3.000Kg/h from diverse materials such as wood waste, agricultural waste, paper, solid urban waste (SUW) ...

Advantages of this type of briquetting presses:

- Low operation and maintenance costs
- High compression pressure
- High reliability
- Strong and high quality materials
- Possibility of making different types of briquettes (diameter, length, with or without central hole)

KERN has set up and put into operation a briquette plant from forest biomass, in the Zaragoza municipality of Ejea de los Caballeros. The mechanical briquette plant installed develops a compression power of around 2,000 Kg / cm², obtaining a briquette with a high specific weight, with a notable reduction in volume and without the need to add tails.

Main technical and operational features of the plant:

- Start-up date: 2013
- Production capacity: 1.100-1.800 Kg/h
- Briquette type: mechanic
- Diameter of the briquette: 90 mm.
- Briquette length: 20-300 mm.
- Power of the briquette machine: 55-75 kW
- Raw materia: forest biomass
- Humidity: 10-14%

