

About us:

- Owing to our experience spanning a decade, we are capable of offering you an optimized solution of a briquetting system that meets your requirements
- Our service engineers assemble the machines at our factory and travel afterwards to the customers site to install and commission the equipment
- Our after sales service has top priority and we value our customer relations more than anything else.
- The easy availability of spare parts promotes smooth and continuous production.

In short ,as a modern production company we are highly flexible and are happy to adapt our systems to meet customer's specifications and requirements.

An investment in An AGASTI briquetting machine is very profitable and it will often be paid off within 1-3 years.

We look forward to receiving your enquiry in order to enable us to dig into our extensive briquetting experience and prepare a detailed and cost-effective solution to meet your specific requirements.



Plot no. 17, Gat no. 315/B,
Chat. Shahu Co-op
Industrial Estate, Shirol,
Dist. Kolhapur 416103.
Mobile: +91 9922755577
Telefax: 02322 221217



BRIQUETTING SYSTEMS

Briquetting In general:

A Briquetting machine allows you to compress your waste sawdust, chips, shavings, sugarcane baggasse and other agro-wastes into briquettes that are environmental friendly and have a high calorific value bio-fuel. When briquetted, these bio fuels have calorific value approaching that of coal.

Burning briquettes as a fuel completes a natural cycle; on combustion they only release as much carbon dioxide back in the atmosphere as was originally absorbed by the growing tree during photosynthesis.

Briquetting is done without addition of any other synthetic binder .

Briquetting is a process in which material is compressed under high pressure, which causes the content of lignin in the wood to be liberated and thereby binds the material to form a firm briquette.

Advantages:

- 1. There is no fly ash when briquettes are burnt.
- 2. Combustion is more uniform as compared to coal and boiler response to changes in steam requirement is faster due to higher quantity of volatile matter in briquettes.
- 3. Unlike coal or furnace oil, briquettes are non- polluting because they don’t contain sulphur.
- 4. It is a source of renewable energy and therefore inexhaustible.
- 5. Handling and transporting of briquettes is easier due to their high density.

Briquetting solutions:

- Industrial and consumer:
The briquetting press should be selected on the basis of the following factors:
- The required diameter of the briquette
 - The type of waste - wood, agro-waste, other biomass
 - Use Industrial or consumer.
 - Volume of the waste that needs to be turned into briquettes.

The lifetime of a mechanical press is considerably higher than that of a hydraulic press.

We therefore recommend mechanical presses.

- Besides briquetting presses we also provide other pre-processing equipment :
- Flash dryer.
 - Hammer mill grinder.
 - Vibrating screen.
 - Cutter Chipper.
 - Cage mill.
 - Spreader.

We co-operate with other suppliers of machinery and other equipment to provide turn-key solutions.

Press model	unit	ABP 32	ABP 40	ABP 50	ABP 60
Briquette dia.	mm	32	40	50	60
Stroke Length	mm	100	125	150	175
Production	Kg/hr	125	250	500	750
Power	HP	10	20	30	40



Briquetting press:

The Briquetting machine is a crank type mechanical press with two flywheels.

One flywheel is driven by the main motor through a continuous flat belt. The forced lubrication oil system guarantees a long machine life. Ground material is fed through a hopper by means of a vertical screw with its own gearbox and motor. The vertical screw forces the material downwards into the feeding chamber. From the feeding chamber the material is forced by the ram through a tapered die system on to the cooling line in the form of briquette. Cooling line conducts the briquette away to the storing area. The total operation is controlled from the electrical control panel.

Why AGASTI??

- Balanced crankshaft assembly.
- Low wear and tear.
- Low power consumption per unit of production.
- Minimum installation costs.
- Compact construction.
- Water cooling of head stocks for round the clock working.
- Strict tolerances. Hence , longer life of moving components and bearings.