



TIRE TREATMENT PLANT FOR CEMENT PRODUCERS AND FOR OTHER USERS SUCH AS FURNACES AND INCINERATORS

DESCRIPTION OF THE PROCESS

The tire treatment plant includes a cycle able to obtain, starting from the post-consumption tires of automobiles and trucks, a material adequate for the combustion systems of furnaces. The size may vary according to specific needs which are provided by the customer.

The whole installation will go through the following working phases:

- Gathering and storage of the material to treat
- Transportation to the treatment area
- Bead breaking of truck tires
- Shredding
- Sifting of the material according to its size
- Final grinding
- Transportation to the storage area
- Stocking adapted to specific needs

The controlling of the plant is centralized through an electrical panel with commands working with the PLC logic.

CHARACTERISTICS OF THE OUTPUT MATERIAL

The output material will be adapted to the customer's needs.



DESCRIPTION OF THE PRODUCTIVE CYCLE

The process includes, in the first phase, the bead breaking of the kerb in harmonic steel with an adequate machinery that is responsible for removing it from the tread.

The tire without the kerb of steel can be then allocated with the other tires and be conducted to the shredding phase. Shredding involves multiple steps that depend on the output size requested.

The grinded tires go then through a sifting system which separates the material based on its size.

The material will then be stocked according to the requested modalities to facilitate then the transportation to combustion.

The plants are always designed according to the specific needs of the customer and can be built with a capacity from 1 to 10 ton/h with also a variable output size.





FOR INFORMATION
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