

Brief description of the technology of drying with simultaneous grinding of animal waste (manure), poultry farming (litter), silt deposits, agricultural and other highly watered waste.

Our company offers to manufacture and supply pre-treatment equipment for simultaneous grinding and dehumidification of biomass based on **pulsed drying technology**.

Pre-treatment of raw materials or waste with a directed pulse significantly improves their reactivity, with extremely low energy consumption.

During detonation, the structure of the processed raw material is refined, including an increase in surface area and porosity.

Pulse drying technology requires 70% less energy to achieve the same result as the mechanical method.

This technology will be successfully used for energy-efficient drying of various highly watered wastes, wastes from agriculture and the woodworking industry.

The regulation of the boiling process, i.e. the rate of internal energy of the wet material, we achieve removal of up to 90% moisture in liquid form.

In the process of processing, 100% destruction of helminths and pathogenic microflora is carried out.

The productivity of one complex is from **12 tons to 50 tons per day** for input raw materials.

The cost, completeness and execution of the equipment is determined by the technical specifications of the Customer.

Benefits of impulse drying technology:

- absolutely dry material, with humidity up to 12%;
- change in the moisture content of the resulting product at the request of the Customer;
- pelletizing and granulating dry product;
- collection of condensate during drying of materials;
- smokeless discharge of condensate into the atmosphere;
- elimination of smell;



- 100% neutralization from pathogenic microflora and helminths;
- 100% absence of flue gases during drying;
- combustion of hydrocarbon fuels is not used;
- work in automatic and semi-automatic mode;
- container version;
- high degree of readiness of the equipment;
- execution for various climatic zones;
- production of environmentally friendly biofertilizers
 - solid
 - liquid
 - pasty
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