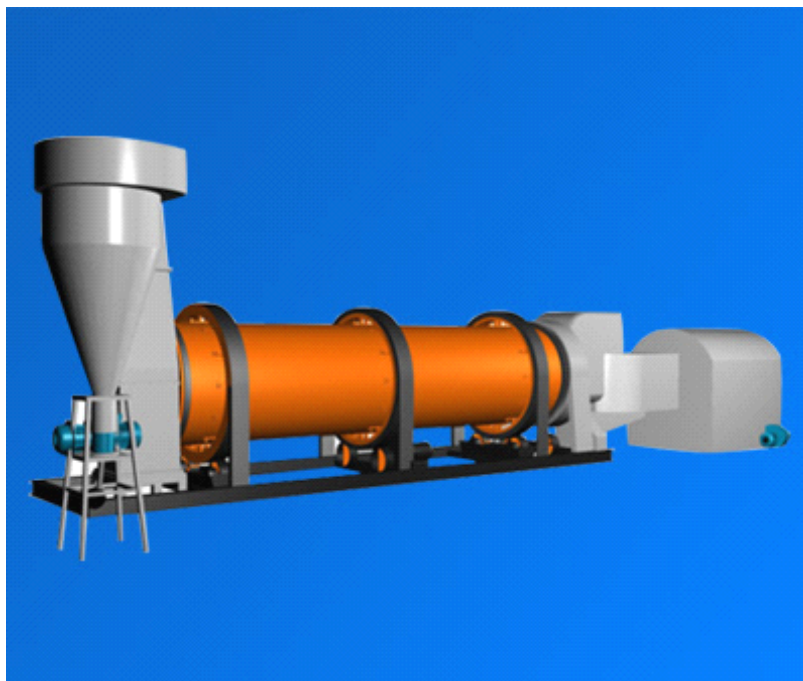


Chicken manure dryer



Chicken manure dryer Features

Chicken manure dryer is a low-fuel-consumption and high efficiency of drying equipment. It can be used to dry the material with a moisture content below 85% to a final moisture content below 13%. It is applicable in animal farming, food brewing, sugar and pharmaceutical industries dealing with high humidity waste, as well as a variety of chemical raw materials, such as chicken manure, wine slot, furnace slag, fructose slag, slag vinegar sauce, sugar beet residue, animals slaughtered contents, coal slime, bentonite, etc. It is for resource development and good environmental protection equipment.

Chicken manure dryer uses downstream drying process, especially suitable for fast drying the humidity materials which need to preserve nutrition, for example, the drying of fresh chicken manure can achieve the purposes of drying, sterilization, deodorant and preservation of nutritional. The dryer is equipped with high-speed rotating drum of crushing devices, which increases the contact area between material and drying medium, the internal unique equipment design, makes materials difficult to adhere to the drum wall panels and parade. The complete machine has the effects of heat preservation, good sealing performance, and the fact that the thermal efficiency considerably higher than the general drum dryer.

Chicken manure dryer structure is compact, easy to install and debug, and using small floor area. Drum and crushing device use stepless speed regulating devices, which can adapt to the different requirements of the drying materials. The dryer can combine the use of different fuels (such as coal, heavy oil, natural gas, etc.).

Chicken manure dryer Work principle

The complete sets of equipment mainly is composed of the crushing drum dryer, burning furnace, feed spiral, output spiral, pipeline, dust collector, airlock, air induced fan, electric control cabinet and other components. Humidity materials are conveyed from the feed screw directly into the dryer drum, raised by the drum wall panels repeatedly, and scattered by the crushing blow dispersion devices. Materials and the negative high-temp media are combined sufficiently to complete heat and mass transfer process. As the result of the drum wind angle and the induced air, the feed materials move slowly, and discharged from the spiral after drying, the exhaust gas handled by the dust precipitator, venting to the atmosphere.

Chicken manure dryer Technical Specification

Model	TDG 800	TDG1 000	TDG1 200	TDG1 500	TDG1 800	TDG2 000	TDG2200
Capacity	≥500 kg/h	≥1000 kg/h	≥1300 kg/h	≥1600 kg/h	≥1800 kg/h	≥2000 kg/h	≥2200kg/h
Power	4kw	5.5kw	7.5kw	15kw	18kw	18.5kw	22kw
dryer weight	5T	6T	8T	18.2T	26T	28T	35T