

## Cow dung dryer

### Cow dung dryer:

With the development of agriculture, agricultural by-products has been taking more attention. Manure's pollution on environment is increasing, but the dung is rich in nutrients and trace elements which is a good organic fertilizer. Cow dung as an organic compound fertilizer, not only turning waste into treasure, but also can reduce environmental pollution and prevent the spread of the disease. It also has good economic and social benefits. Our Cow dung dryer as a corollary equipment of organic compound fertilizer production line, can make fine particles. Meanwhile it can be used not only as culture medium, planting edible fungus *agaricus bisporus*, but also can be used as breeding the feed of turtle, fish, snails, chicken, duck, etc. Cow dung dryer is a Low-fuel-consumption and high efficiency drying machine. It can be used to dry the dung with moisture content 70%-80% to a final below 13% only one time. The whole process in a closed system, thereby reduce to pollute the environment. Cow dung dryer is contented by heating source, loading machine, feeder, rotary rolling tube, unloading machine, exhauster, unloader and power distribution cabinets. The wet material is put into the dryer after dehydration. The material can disperse evenly and contact fully with the hot air in the dryer through the stirring of the plate which is in the roller. Thus quicken the speed of drying, heat transferring and mass transferring. In the process of drying, the material can be sent out by the star unloading valve which is in the other end of the dryer under the action of the gradient plate and the hot mass.

### Design features:

1. Cow dung dryer has a high degree of mechanization, large production capacity and continuous operation.
2. Structure was simple and excellent. Materials running smoothly through the cylinder's resistance. The operating is convenient.
3. low malfunction, lower maintenance cost, low power consumption.
4. Wide scope of application, good uniformity of drying products
5. When it is drying at the same time can achieve the purpose of sterilization and deodorization.

### Technical specification

NO	Specification of the common equipment	YFC800	YFC1200	YFC1500	YFC1800	YFC2000	YFC2200	Note
1	The output of drying chicken manure	2-5T	10-22T	18-24T	25-30T	30-38T	38-48T	Moisture content below 75%
2	The output of drying	3-5T	12-24T	20-25T	28-32T	32-40T	40-50T	Moisture content

cow dung below 65%  
3 Total installation power 7.5kw 15kw 22kw 28kw 32kw 37kw  
Commonly used size range:diameter 0.8-3,length 8-15m