

The Drying Process During Wood Pellet Production

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Working Principle of Three Layer Rotary Dryer

- ◆ Three-layer drum structure, The first and second layer drums have no heat loss.
- ◆ The third layer drums is low temperature zone. The overall thermal insulation performance is good
- ◆ Save the space and improve the utilization rate of the factory building;
- ◆ Multi-temperature interval sectional drying, rapid evaporation of water at high temperature, dry materials into low temperature zone, greatly reducing the risk of ignition;



Technical Parameter of Three Layer Rotary Dryer

Model	Power(kw)	Evaporation Capacity(t/h)	Inner Temperature	Outlet Temperature
YGHGφ1.8*10*3	2.2x4+37+3+3+2.2	0.8-1.4	300-500°C	90-100°C
YGHGφ2.2*10*3	3x4+55+5.5+5.5+3	1.2-2.2		
YGHGφ2.5*10*3	5.5x4+75+5.5+5.5+3	2-3		
YGHGφ3.0*10*3	5.5x4+90+5.5+5.5+3	2.8-4		



Advantage for Three Cylinder Dryer

- The three cylinders of dryer are welded and fixed;
- The flexible fixing mode between the three cylinders of the dryer can prevent welding deformation caused by thermal expansion and cold contraction;
- The dryer is fixed by the Patent technology independently developed, which can prevent welding deformation caused by thermal expansion and cold contraction;



Heating Source



Hand Stove



Chain Stove



Biomass Burner



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