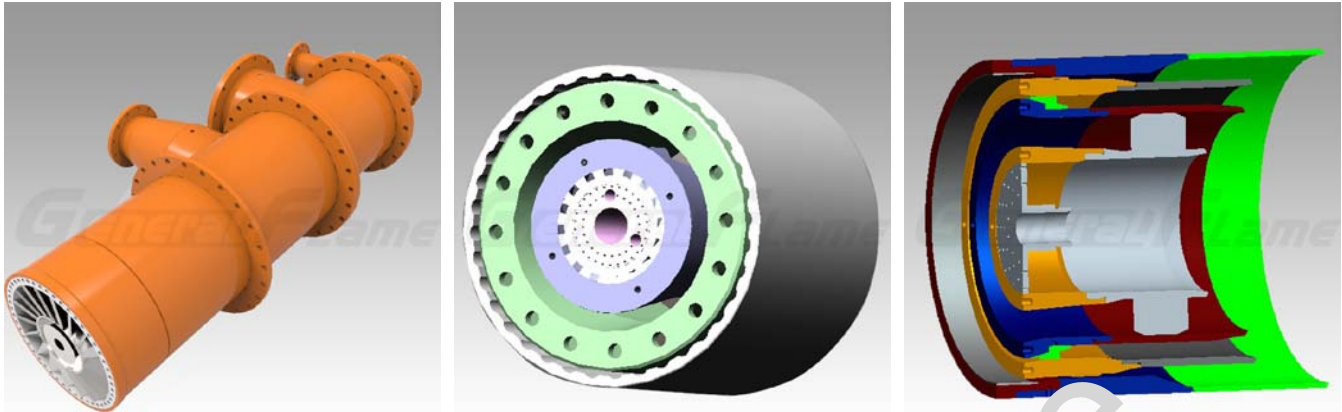


Pulverized coal boiler burner



Product introduction of the pulverized coal boiler burner:

1. Working principle: the burner is the main combustion equipment of boiler. Through various forms, it sends the fuel and the air needed into the furnace for combustion. The fuel catches fire rapidly and stably according to a certain airflow structure. Pulverized coal burners utilize the backflow area formed by the secondary air rotating jet which are favorable to ignite, and the strong mixing between the inner and the circumferential end of the rotating jet to enhance the ignition characteristics of pulverized coal. The boiler burner adopts the gasification theory to gasify the fuel completely. The entire burner ignites by three-stage, firstly ignites the light diesel by high energy igniter, then ignites the thick pulverized coal by light diesel, finally ignites the light pulverized coal, and the pulverized coal is burned completely.
2. Slag can be discharged outside the furnace (dry/liquid discharge), the slag collection rate of the combustion cylinder (vertical/horizontal) can reach over 95%, the slag amount left in the industrial furnace is almost less than 15%, the dust removal efficiency can reach 99%;
3. Usage of PLC full automatic thermal instrument control system, which greatly reduces the manpower labor intensity, and make full usage of the thermal data of coal-burning metering, fan current, voltage, furnace working temperature, working pressure and a series of other working conditions to guide the work of the production line;
4. The energy structure: The burner can be designed to double fuel feeding system to reduce CO2 emissions;
5. Cyclone combustion cylinder (vertical/horizontal) jetted flame is pure and less ash, almost the same as the fuel oil flame;
6. The burn-off rate of fuel (pulverized coal/wood/straw) can reach 99%, and the slag is yellow and white, which is a good mixture to be recycled

