

### Lithium salts rotary kiln burner



#### **Product introduction and advantage of the lithium salts rotary kiln burner:**

1. Lithium salt rotary kiln burner is used to produce lithium salt in the rotary kiln industry. This kind of burner developed by us has the following advantages:
2. It cancels the air pressure station, which lessened the labor intensity, reduced the unsafe factors in production, so that the production will not be affected by frequent failures of the air pressure system;
3. Change the angle of the rotating blade between the gas nozzle and the air nozzle; increase the diameter of the central burner.
4. The combustion system can meet process requirements for hours, and can meet the production temperature in short time.
5. Reduces investment and downtime, energy-saving, improved economic efficiency.

#### **Requested information for design of the lithium salts rotary kiln burner**

1. The rotary kiln type: pre-decomposition kilns, preheated kilns, vertical tube preheated kilns, push rod preheated kilns, hollow kilns, or any other kind?
2. Materials calcined in the rotary kiln: common cement clinker, white cement, active lime, oxidized pellets, ceramsite, ferronickel, zinc oxide, or any others?
3. The rotary kiln specifications: what's the diameter and length?
4. The furnace combustion ratio(Only need to offer if you use pre-decomposition kiln)
5. Kiln rotary direction: Is it clockwise or counterclockwise when facing the kiln entrance?
6. The center height for the rotary kiln(mm)(the distance between the platform and center of the rotary kiln)
7. Designed and actual output
8. Designed and actual heat consumption
9. Type of cooler: grate cooler, single-cylinder cooler, multi-cylinder cooler, vertical cooler, ring cooler, or others
10. Fuel parameters: Please offer the fuel type with its component percentage and low heating value for fuel
11. The burner configuration: Facing the kiln entrance, what's the primary air position? What's the fuel inlet position? What's the inlet position? Left, right, up, or down?
12. Fan: Please offer the model number, air volume (M3/min), boost (Kpa), motor power (KW), rotate speed (r/min) , pipe diameter(DN) for net fan and coal sending fan

