

**Lime rotary kiln burner**



**Product brief introduction of lime rotary kiln burner:**

Lime rotary kiln burner is an industrial burner used in lime production in rotary kiln equipment. We develop the burner, based on hundreds of new lime rotary kiln production lines as the actual firing system statistical data, the advanced technology at home and abroad for pulverized coal burning as the research and analysis background. Meanwhile, we adopt the theory for big speed difference and strong cyclone of the new modern combustion technology, combine with the characteristics of various fuel characteristics and new lime kiln production system structure performance, use Computational Fluid Dynamics (CFD) numerical simulation technology. The overall performance of lime rotary kiln burner is recognized by our customer.

**Six strong performances of lime rotary kiln burner:**

1. Supersonic air speed; Strong thrust, big mixing speed difference for coal and air;
2. The shape of flame is adjustable, adapt to varies changes for kiln conditions
3. The amount of primary air is small, saving coal and electricity, significant effect of reducing consumption
4. Good flame shape, high strength, good rigidity and strong stability
5. Environmental protection, no peak on high temperature, reduce nitrogen oxide emissions
6. The head of burner adopts heat-resistant steel and thermal spraying technology, spraying heat-resistant and heat-insulating materials. Wear resistance, corrosion resistance, and long service life

**Main machine of burner:**

1. Combustion air supply system
2. Moving forward and backward system;
3. Ignition system
4. Fuel delivery system
5. Control and monitoring system

