

## Cement Rotary Kiln



**Application:** Cement Plant,  
Quicklime  
Plant

**Capacity:** 1000-5000 t/d

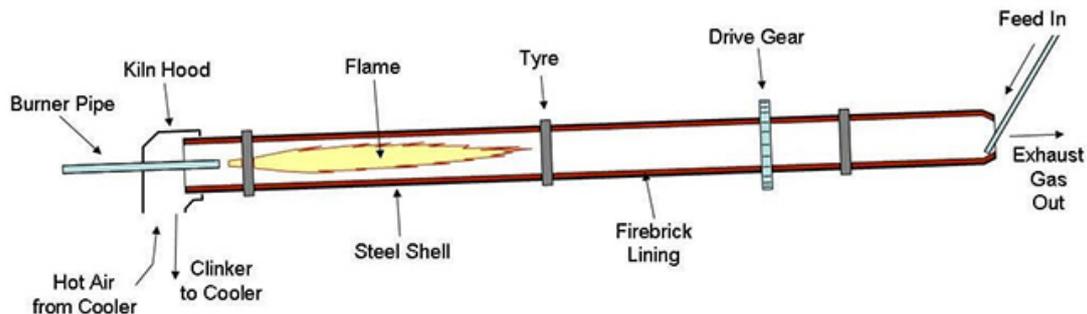
**Motor Power:** 160-630 kW

**Weight:** 252-841 tons

### Introduction

Cement rotary kiln, which is mainly used for calcinating cement clinker, is the main equipment of the new dry type cement production line. This equipment is mainly composed of cylinder, supporting device, supporting device with catch wheel, transmission device, lubrication device, mobile kiln head and sealing device at the end of the kiln.

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1. Supporting Device: it adopts advanced main shaft structure, automatic temperature measuring device and electrical heating device. And it has optional flow support.

2. Thrust roller: It has mechanical type and hydraulic type. The hydraulic thrust roller is equipped with advanced hydraulic controlling system.

3. Drive device: It has single drive or double drive. The adjustable-speed motor, DC motor or frequency variable motor control kiln rotation speed. And has features of reliable running and high efficiency.

4. Tyre shim: The shim under tyre has fixed type and adjustable type. The adjustable shim has features of simple structure, easy replacement and maintenance without any damage to shell.

5. Sealing device: Various types of sealing device are available for different kiln, such as cylinder tighten sealing, spring tighten sealing, graphite block sealing, spring graphite, fish scale type seal etc, which has good sealing effect.

6 Kiln head hood: It has fixed type and flexible type.

**Features:**

1. Supporting device: advanced shaft structure, automatic temperature measuring device and electrical heating.
2. Gears: single or double. Control the rotating speed by buncher, DE machine and frequency variable motor. Be reliable, energy-saving, and efficient.
3. Cylinder tire bolster: lower bolster has three types: fixed, zoom and floating. The structure is simple, replacement is convenient and won't hurt cylinder.
4. Sealing equipment: there are many kinds for choice according to kiln models, including air cylinder edge sealing, spring edge sealing, and graphite block sealing and combination for above. The sealing effect is very good.
5. Catch wheel: including two kinds mechanical wheel and hydraulic pressure.



**Specifications:**

Model	Output (t/d)	Main Drive (r/min)	Motor (kW)	Regulating Range (r/min)	Gearbox Velocity Ratio	Weight (t)
Φ2.2×50	96	0.125-1.25	30	132-1320	157	130.71
Φ2.5×50	130	0.516-1.549	55	440-1320	99.96	167.5
Φ3×48	850	0.3309-3.309	90	100-1000	32.11	237
Φ3.2×48	1000	0.375-3.75	160	100-1000	27.469	252
Φ3.2×50	1200	0.398-3.975	190	150-1500	40.85	263

Φ3.3×52	1200	0.391-3.91	190	100-1000	27.707	280.8
Φ4×60	2500	0.396-3.96	315	100-1000	34.601	487.5
Φ4.2×60	2800	0.4165-4.165	420	100-1000	35.526	576.1
Φ4.3×62	3000	0.398-3.98	420	100-1000	35.714	598.5
Φ4.3×64	3200	0.449~4.49	450	100~1000	24.365	585
Φ4.5×66	4000	0.41~4.1	630	100~1000	34.069	710.4
Φ4.8×70	5000~5500	0.4~4.0	630	100-1000	30.876	845.3
Φ4.8×72	5000	0.403~4.03	560	100~1000	30.365	847
Φ4.8×74	5000	0.35~4	630	130~1500	42.226	841