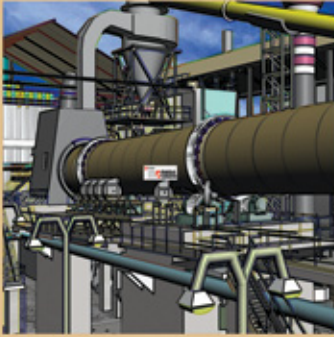




ROTARY KILN



www.dal.com.tr



DAL MACHINERY



DEG GROUP COMPANIES

DAL Machinery

has been providing machineries for industrial plants over 20 years. We mainly focus on cement, lime, coal and energy technologies. We provide brand-new and 2nd hand machineries worldwide. DAL Makina also supplies integrated services together with Dal Engineering Group (DEG) companies for Turn-key plant projects.

DAL Technic

provides turn-key cement plant projects.

DAL Drive Systems

provides electric motors, drives, reducers and couplings.

DAL Automation

is a certified Siemens solution partner company and provides turn-key automation projects.

CMT

provides design and R&D for cement industries.

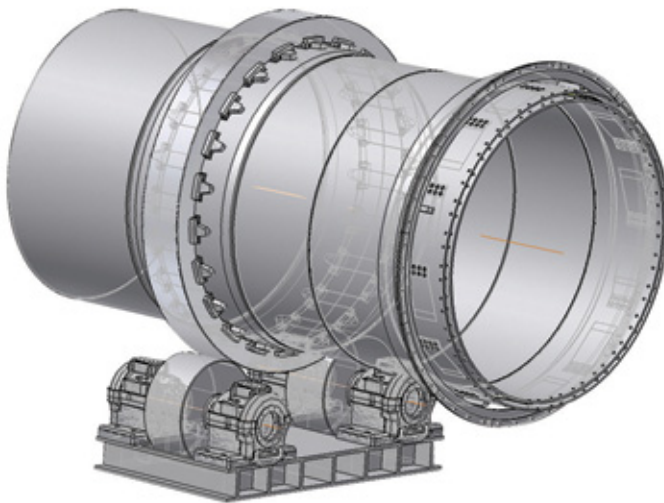
PRODUCTS

- Ball Mill
- Dynamic Classifier, V-Separator
- Vertical Mill
- Spare Tyre, Girth Gear, Liner Casting
- Raw Material & Clinker Crusher
- Pre-blending Unit
- Rotary Kiln
- Clinker Cooler
- Roller Press
- Elevator, belt conveyor, screw conveyors, rotary feeder, pandulum flaps
- Wear resistant material (Basalt, ProTEC)
- Insulation Material (Rockwool, Glasswool)
- Hydraulic Lubrication Stations



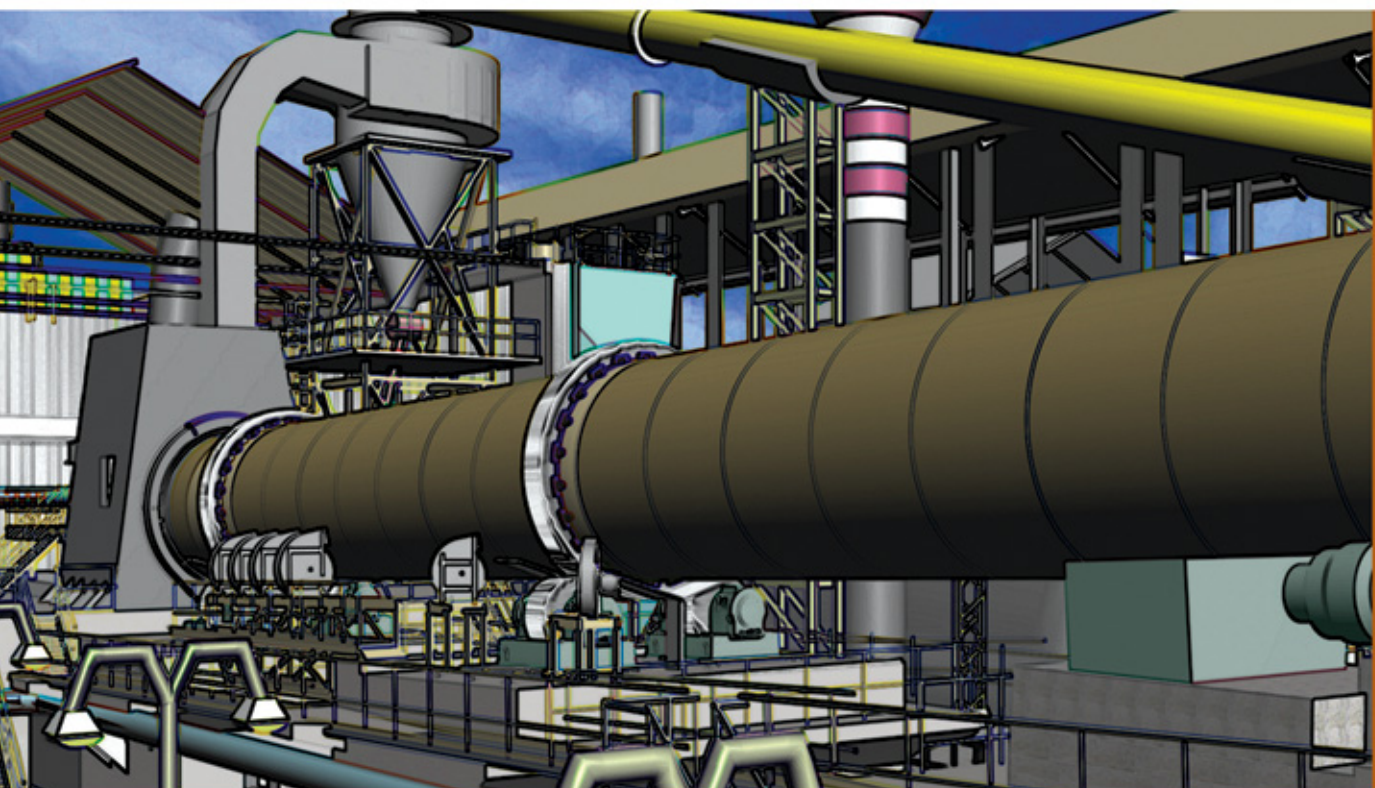
For responding the demands of the today cement industry, Dal Machinery provides rotary kilns up to 6000 tpd with regard to quality, maximum capacity and minimum costs. Our reliable design will lead you to low resource consumption, high operating safety and low specific operating costs and capital expense.

- Our rotary kilns use pneumatically-operated seals which are designed to ensure a continuous seal despite shifts in the position of the kiln
- Our optimizing kiln tube construction ensures optimal safety with regard to material elasticity limits at operating temperature.
- The air cooling of particularly large surface ensures the long life of the segments.
- All drives for kiln types are designed to secure reliable operations under any operation conditions.

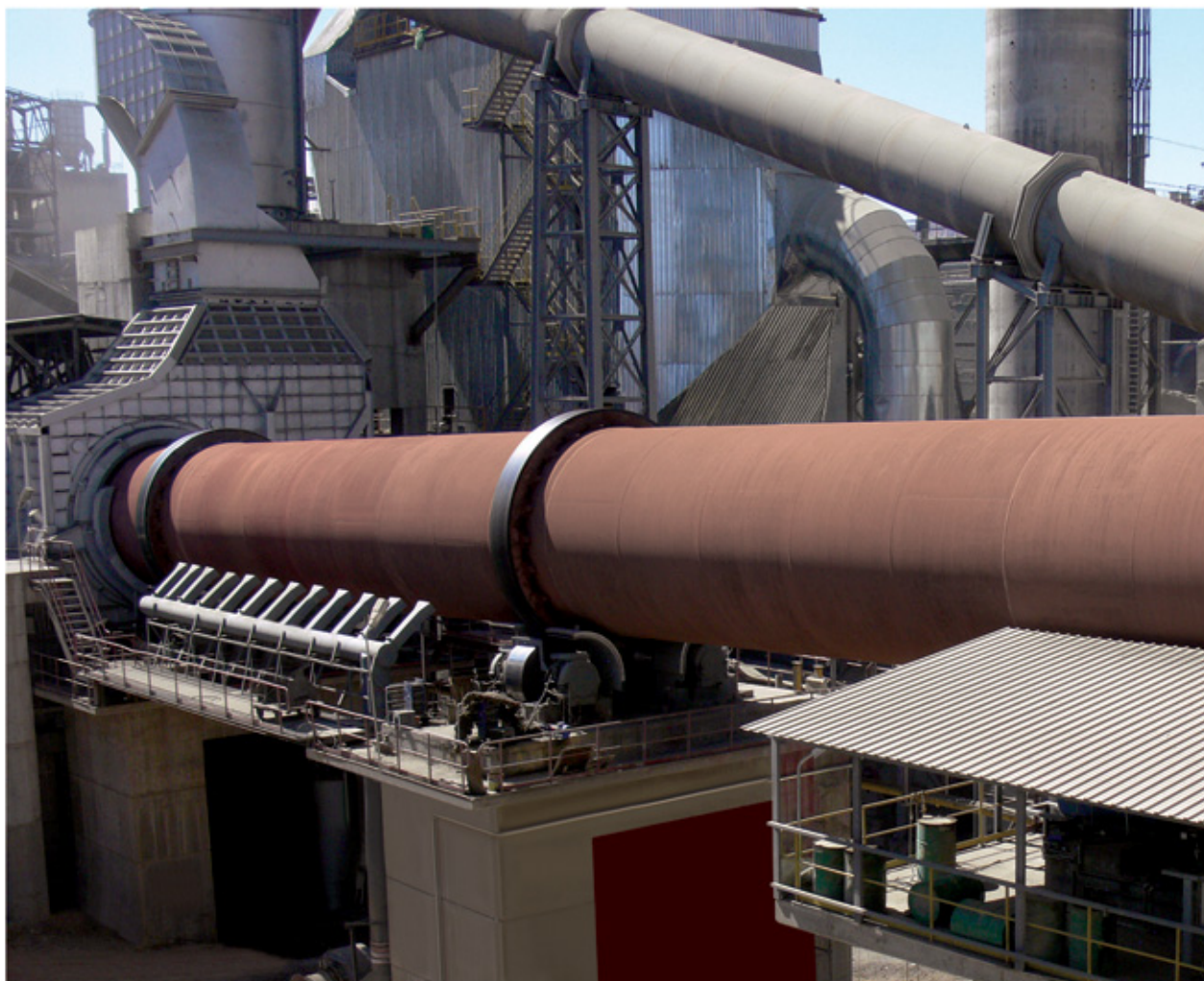


KILN PRODUCTS AND SERVICES

- Kiln Design
- Kiln Shell & Under Tyre Systems
- Kiln Inlet and Outlet Seals
- Kiln Tyres & Rollers
- Drive Systems
- Hydraulic Thrust Roller
- Kiln Burner
- Kiln Camera Systems
- Kiln Erection
- Kiln Maintenance Service

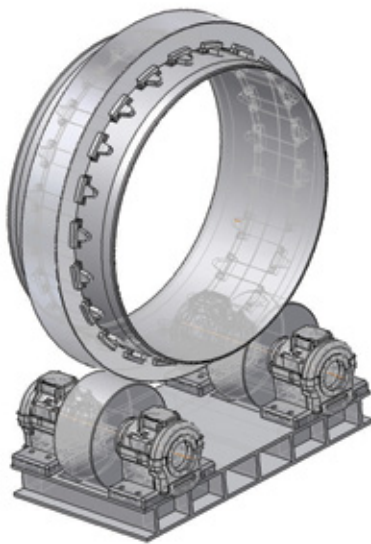


ROTARY KILN



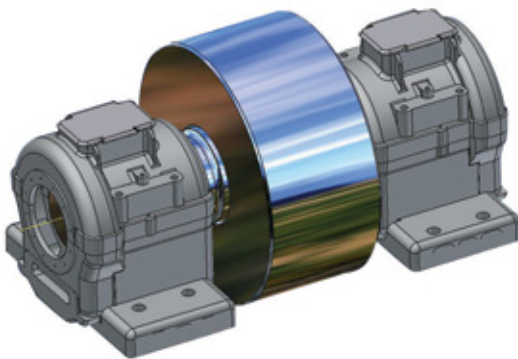
ROTARY KILNS

Nominal Capacity (tpd)	Inside Tube Diameter x Length (m)	Refractory Thickness (mm)	Power Consumption Approx. (kW)	Installed Power (kW)
2250	4.0 x 59	200	240	450
2800	4.2 x 60	200	270	500
3500	4.4 x 64	200	320	550
4000	4.6 x 64	220	360	630
5000	4.8 x 72	220	400	700
6000	5.2 x 73	220	510	990

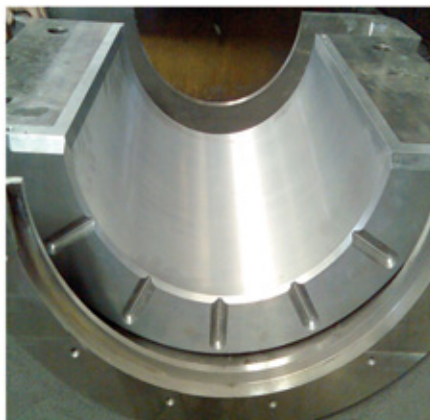


DEG Design Features

- Pneumatic Kiln Sealing
- 3 Station, Single Pinion Drive
- Monobloc Support Roller Frame



DEG design plain bearings
manufactured in Europe



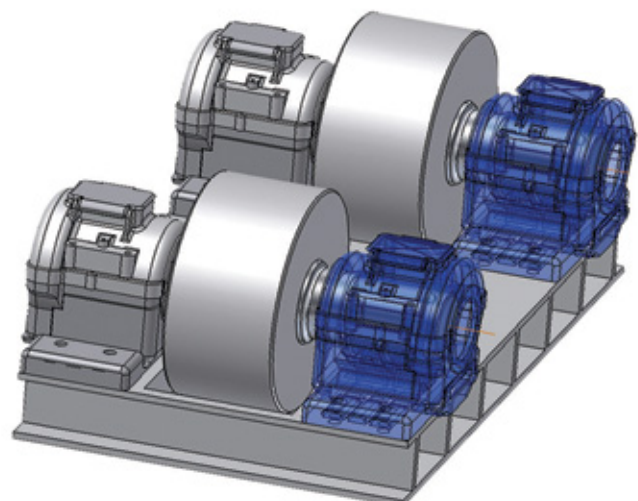
Shell Manufacturing



Tyre & Roller Manufacturing

Advantages

- Easy erection and adjusting
- Low energy consumption
- Low construction cost
- Short installation period



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DAL Machinery

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