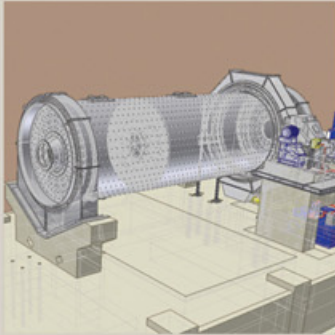


## UNIVERSAL DRIVE CEMENT MILLS



[www.dal.com.tr](http://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

# COMPANY PROFILE





## Dal Machinery UDCM type Cement Mills are designed for grinding of clinker to any type of cement

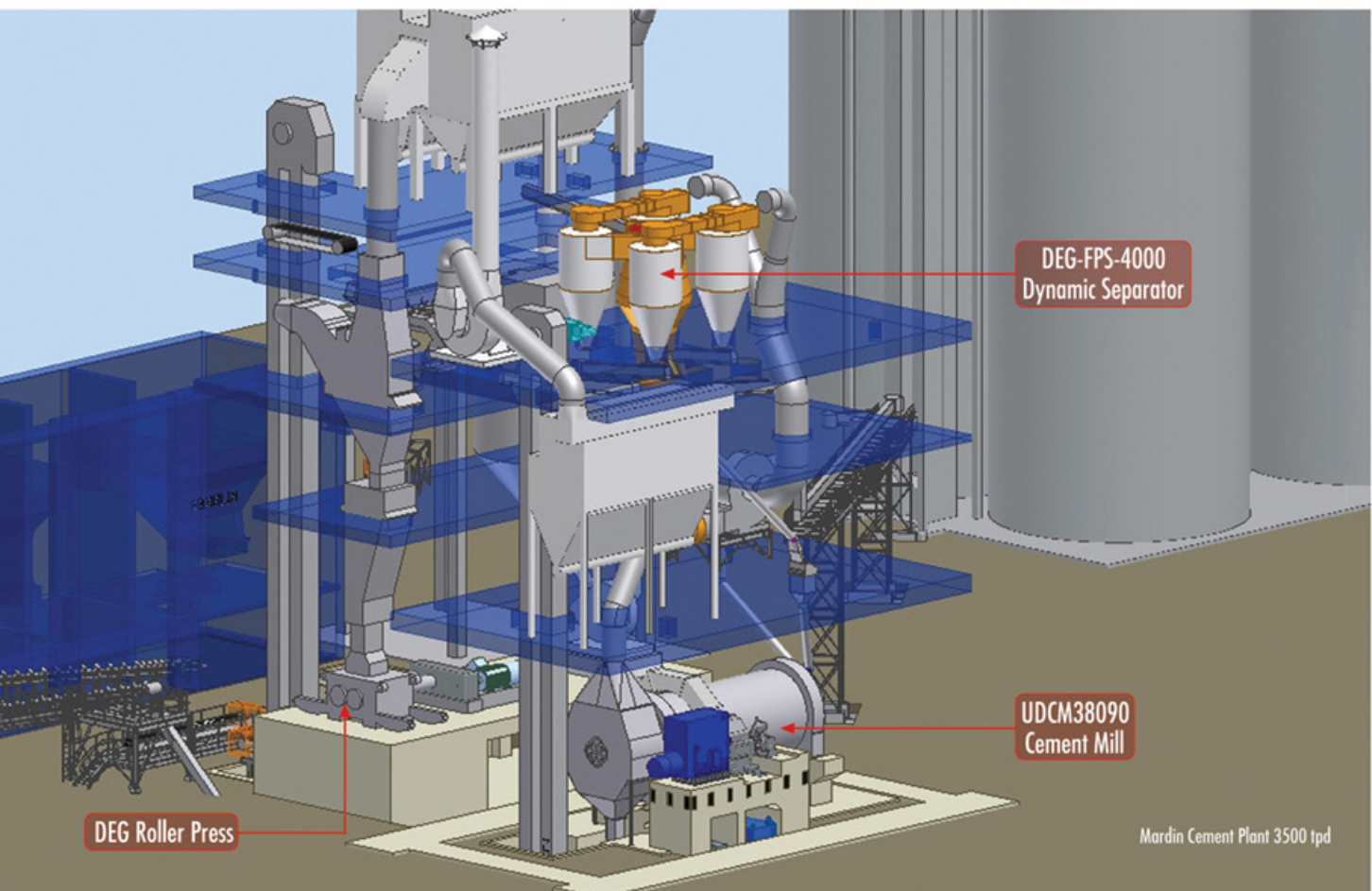


All mill types may operate in either open or closed circuit. UDCM type mills are designed to achieve maximum grinding efficiency, low energy consumption, compact plant layout and compact mill drive design, approved lining types.

The first compartment is lined with lifter plates, large grinding media for coarse grinding and special lines ensures optimum lifting of the mill charge. The size distribution of the grinding media in the coarse grinding compartment is designed to just crush the coarsest particles in the mill feed material and to ensure adequate fineness of the material passing the diaphragm.

The shell lining in the second compartment or in a one compartment finish-grinding mill has special classifying plate lining and a charge of smaller balls for fine grinding. It is designed to obtain efficient fine grinding. For fine grinding, the charge consists of small balls, which ensures the best possible grinding efficiency without obstructing the material flow through the ball charge.

Special designed diaphragm between the grinding compartments effectively screens the material passing from the coarse to the fine grinding compartment.





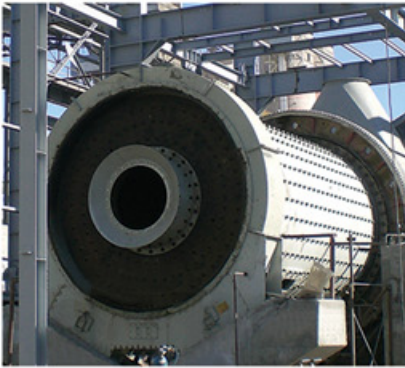
# UNIVERSAL DRIVE CEMENT MILLS



View from ADOÇİM / Marmara Grinding Plant

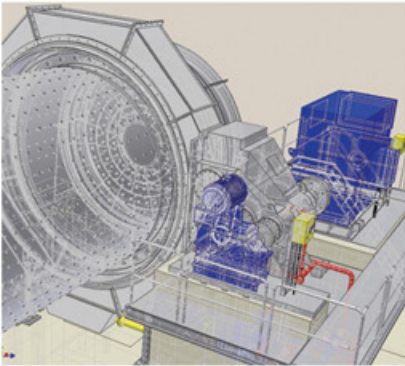
## UDCM CEMENT MILL SERIES

Mill Types	Mill Diameter (m)	Length (m)	Grinding Media (tons)	Support type	Drive type	Reducer type	Motor Power (kW)
UDCM 38130	3.8	13.0	180	Sliding Shoe Bearing	Side & Central	DEG SDR28	2800
UDCM 42130	4.2	13.0	210	Sliding Shoe Bearing	Side & Central	DEG SDR35	3500
UDCM 42145	4.2	14.5	225	Sliding Shoe Bearing	Side & Central	DEG SDR40	4000
UDCM 46145	4.6	14.5	275	Sliding Shoe Bearing	Side & Central	DEG SDR45	4500
UDCM 50150	5.0	15.0	350	Sliding Shoe Bearing	Side & Central	DEG SDR60	6000



View from Oyak Çimento / Mardin Cement Plant

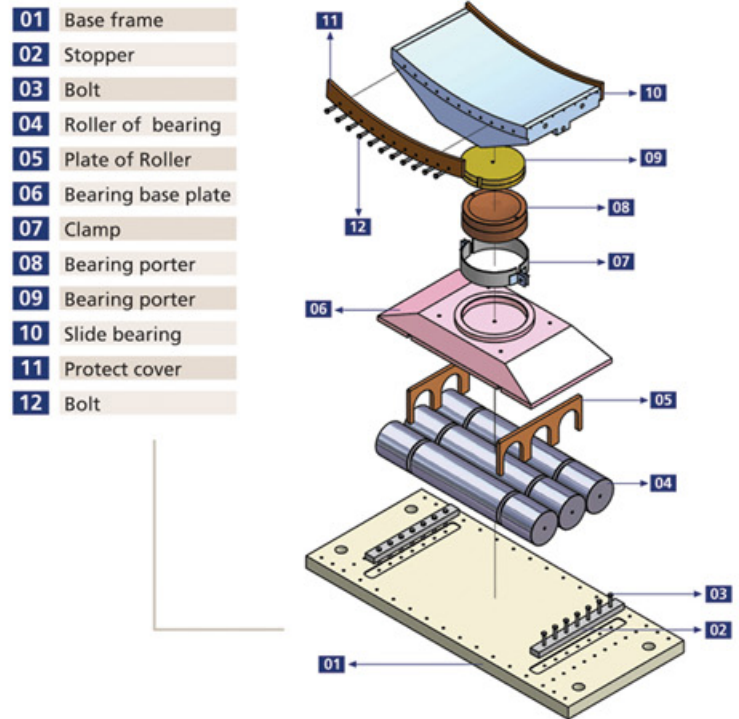
Shell supported ball mill of well-proven design using a special design of slide shoe bearing.



The mill is operated with a special design of proved quality hydraulic station enables a smooth trouble-free running of the mill.

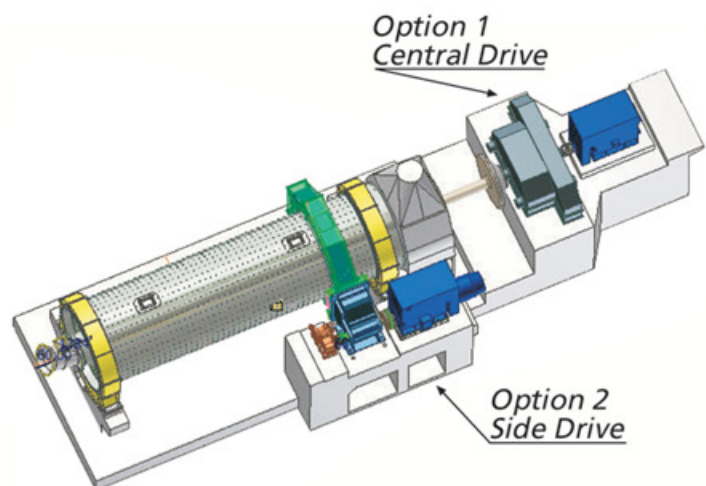


"Two-compartment mill is suitable for grinding materials, such as clinker, granulated blast furnace slag, ore etc"



## Advantages

- Reliable Technology
- Long Life Time
- Easy Maintenance
- Low Energy and Operation Cost
- Low Construction Cost
- Short Installation Period



UDCM type mill shell design enables to use the side drive or central drive in one multi-purpose mill shell.



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**DAL Machinery**

Mehmet Akif Cad. 1.Sokak Haydar Akin Is Merkezi 1  
No:25 Kat:4 34510 Şirinevler İstanbul / Turkey  
Tel: +90 (212) 639 85 00  
Fax: +90 (212) 551 77 13  
+90 (212) 639 99 08  
e-mail: [info@dal-group.com](mailto:info@dal-group.com)

