UNIVERSAL DRIVE
CEMENT MILLS

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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
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.
## UDCM Cement Mill Series

<table>
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<tr>
<th>Mill Types</th>
<th>Mill Diameter (m)</th>
<th>Length (m)</th>
<th>Grinding Media (tons)</th>
<th>Support type</th>
<th>Drive type</th>
<th>Reducer type</th>
<th>Motor Power (kW)</th>
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<tr>
<td>UDCM 38130</td>
<td>3.8</td>
<td>13.0</td>
<td>180</td>
<td>Sliding Shoe Bearing</td>
<td>Side &amp; Central</td>
<td>DEG SDR28</td>
<td>2800</td>
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<td>UDCM 42130</td>
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<td>UDCM 42145</td>
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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.