

AERZEN CEMENT SOLUTIONS

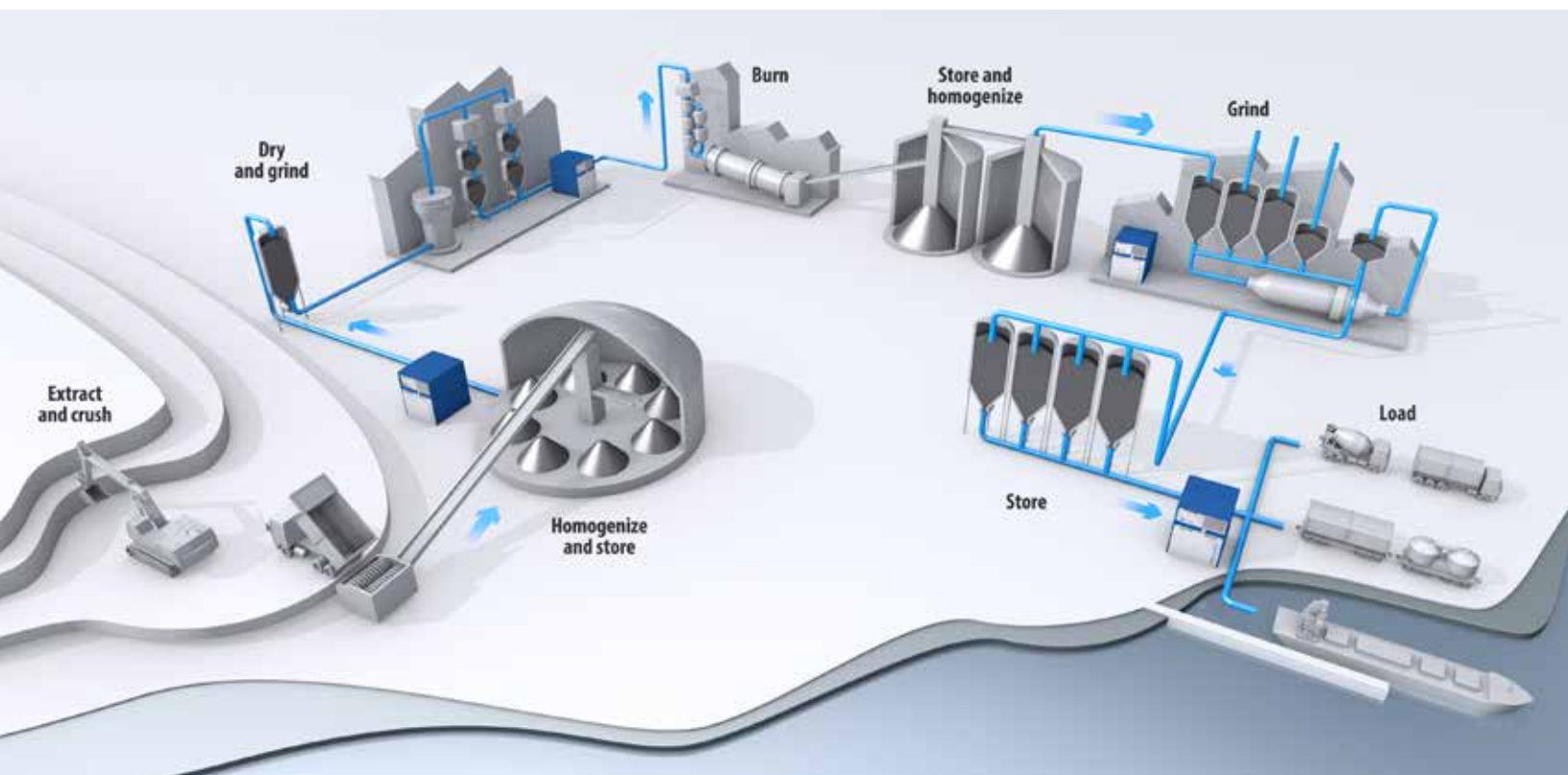
Blowers and compressors designed for better solutions in cement applications



AERZEN

PRODUCTION OF CEMENT BY THE DRY PROCESS. PREMIUM TECHNOLOGIES FROM AERZEN.

We understand that safety is the number one priority for the most challenging applications in cement plants operations, that's why AERZEN blowers, rotary lobe compressors and screw compressors for the cement industry are built with the highest standards to guarantee a safe and reliable operation in the high demanding cement environments.



Find the best solution for your specific application:

Application 1: Pneumatic conveying from the Raw Mill to the Raw Meal silos.

Aerzen blowers highly efficient and reliable for this application to guarantee constant flow of material into the silos with extra pressure capacity to avoid piping clogging due to potholes.

Application 2: Raw meal silos homogenizing

Aerzen blowers with the most versatile mode of operation according to the different homogenizing systems available, the best performance for pulse, constant flow or timed operation.

Application 3: Pneumatic conveying from the Raw Meal silo to the Pre-heater Tower or the Kiln

Aerzen Delta Hybrid units with the highest rate energy vs performance for this critical application in a highly dusty environment. Delta Hybrid models include electronic controlling for the machine operation and remote data transfer.

Application 4: Coal or alternative fuels pneumatic conveying

Aerzen Delta Blowers or Delta Hybrids are both suitable for this critical application depending on the operation data and the fuel, under request, Aerzen certifies all machines under ATEX regulations to avoid safety issues for explosive atmospheres by storing and handling dust fuels.

Application 5: Combustion Air

Aerzen Delta Blower and Delta Hybrid are the perfect solution for this, the most critical application in a cement plant, all machines are equipped with VFD to guarantee the flow control and guarantee the most reliable flame size in the Burner for high quality Clinker production.

Application 6: Pneumatic conveying from the Cement Mill to the Cement Silos

Delta Blower, Hybrid or Screw are perfect solutions for this demanding application, depending on the pipe distances and pipe size, Aerzen supplies the most suitable machine to guarantee constant material flow avoiding pipe clogging.

Application 7: Cement Silos Fluidization

Aerzen has a unique option to standardize models in this application so the plant can optimize resources by having similar machines in homogenizing and fluidization applications, always considering the best option based on energy efficiency and capacity of the machines according to the operation demands.

Application 8: Cement packing

Aerzen Blowers are the best option for this application, bigger volume flows and constant pressure operations to guarantee truck loading systems always running.

Specific features for cement industry

Specific designs & options are available to fit into the application for all AERZEN models:

- Air filter solution system designed for high contaminated environments
- Discharge pressure sensor that turn-off the electric motor to protect the machine from a critical failure
- Discharge temperature sensor that turn-off the electric motor in case the discharge temperature exceed the machine temperature limit to avoid serious damage to the machine and prevent safety issues.
- Spark arrester in the discharge silencer and non flammable foam in the sound enclosure
- AERtronic monitoring system for real time operation information and data transfer for safe and continuous operation



AERZEN's clever trio: Blower, Hybrid and Screw convey each medium



LET'S TALK

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