



# Solutions for Fertilizers Industry

Boosting Productivity for  
Sustainable Agricultural  
Growth



## Fertilizers are Essential to our daily lives —

With the global population projected to reach 10 billion by 2050, farmers must produce 55% more food in the next two decades. Given the limited availability of arable land, the solution lies in improving productivity on existing farmland—a challenge where fertilizers play an indispensable role.

Efficient processing plays a crucial role in transforming agriculture and boosting food production by providing the necessary raw materials. To deliver innovative, customized solutions in pelletizing, agglomeration, and granulation technologies, CEMTEC founded AGGLOTEC as a dedicated subsidiary focused entirely on the development and implementation of advanced pelletizing systems. From material testing and process engineering to equipment selection and plant delivery, CEMTEC is at the forefront of empowering agricultural progress and enhancing productivity with reliable, comprehensive solutions for processing mineral fertilizers and sustaining the world's growing needs.



### Comprehensive Coverage

Widest portfolio in grinding, classification, mixing, granulation, drying & cooling technologies



### Productivity Focus

Advanced Pellet Size Analyzer for real-time monitoring of pellet size distribution improving quality and output



### Responsive Partner

Customized service packages designed to meet your performance goals

## Optimizing Performance and Productivity for Mineral Fertilizers —

Beginning with the grinding of raw mineral material into powder, Cemtec offers comprehensive solutions for the fertilizer industry. We provide two advanced grinding technologies, based on the application: Vertical Roller Mills and Ball Mills. Before granulation, the raw materials need to be mixed with additives and binders. Our high-intensity mixers ensure optimal mixing and pre-humidification/ pre-granulation before pelletizing. Our pelletizing discs, available in sizes ranging from laboratory-scale to 7.5 meters in diameter, are designed to fine-tune the granulation process. Final stage of fertilizer production involves drying and cooling, where selecting the right drying process is crucial for optimizing thermal energy consumption. With extensive expertise, Cemtec ensures top performance in both drying and cooling processes.

Additionally, Cemtec offers an advanced instrumentation system for continuous pellet control, and CEOPS, an online particle monitoring system for grinding circuits. Cemtec/Agglotec also provides full plant solutions, including testing, equipment delivery, plant engineering, and complete plant construction.

## Segment's Most Comprehensive Offering Across the Value Chain —



### Products

- Grinding Plants
- Ball Mills
- Air Classifiers
- Pelletizing Discs
- Mixers
- Dryers
- Coolers



### Services

- Retrofits & Upgrades
- Spares & Wears
- Pilot Testing
- Inspections & Training
- Service Contracts



### Digital

- Particle Size Analyzer
- Gear Inspections System
- Pellet Size Analyzer
- myCEMTEC

