



## MINERAL PREMIX GRANULATION AND BRIQUETTING

**EURAGGLO** offers a briquetting, compaction and granulation process based on the technology of roller compactors. This technology has been adapted to the mineral premix field especially for the compaction and granulation of calcium carbonate based mixes, generally used as animal feed.

The pressure applied on the raw materials, generally containing between 1 and 3 % moisture, forms a solid and homogeneous product (briquettes or flakes) and a further crushing/sieving step is required to obtain granules of various size ranges.

### PROCESS

The premix granulation process aims at producing granules. To make it possible, the force feeder of the compactor pushes the raw material between two rollers turning in opposite directions. Under a compacting pressure, the mix turns into briquettes or flakes which are then crushed and screened. The final products will be granules (1-3mm, 1-4mm e.g....). The plant yield depends on the nature of the raw material, the selected size range for the finished granules and the overall plant design.

Additionally, the quality of the final product is also influenced by crushing and screening equipment choice. The sphericity of the granules can be improved by post treatments such as dry polishing, coating steps when required.

### ADVANTAGES

- A dry process : raw material granulated with low moisture, not requiring drying.
- A simple technology : fast implementation, easy handling.
- An efficient process : cheaper granules with reduced fixed costs and low production costs.
- Very limited alignment wear compared to conventional pellet presses/extruders.

### Proposed Services

- Audit of existing units.
- Applied R&D in pilot plant.
- Engineering process.
- Manufacturing of compactors and granulators.
- Integration of complementary equipments (dryer, crusher, mixer,...).
- Maintenance and associated on-site services.



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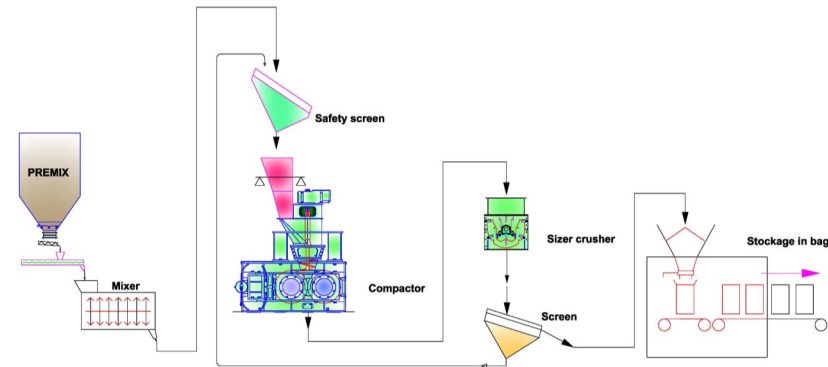
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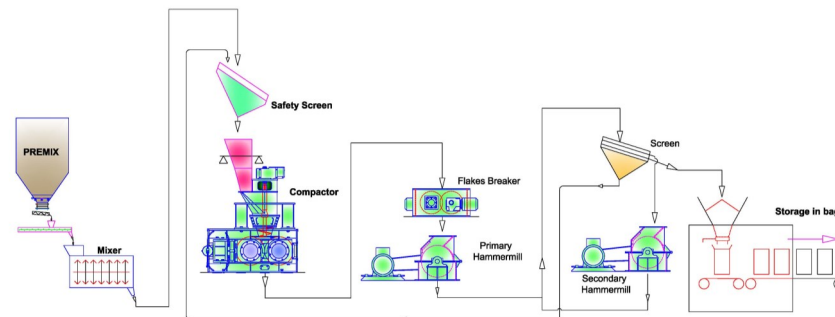
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Example of a EURAGGLO granulation line of premix

**DRY GRANULATION**  
Granulation line with single sizer crusher BCR



**DRY GRANULATION**  
Granulation line with double crushing step



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