



## CLAY 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 clay field e.g. for the compaction and granulation of bentonite, attapulgite or sepiolite, usually in the field of cat litters and absorbents.

The pressure applied on the raw materials, generally located between 3 and 12% moisture, forms a solid and homogeneous product (briquettes or flakes) out of various size fractions and a further crushing/sieving step is required to obtain granules of various size ranges.

### PROCESS

The clay granulation process aims at producing granules. To make it possible, the force feeder of the press pushes the raw material between two rollers turning in opposite directions. Under compacting press, the mix turns into briquettes or flakes which are then crushed and screened. The final products will be granules (1-4mm, 1-5mm...). 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 or coating steps when required...

### ADVANTAGES

- A dry process : raw material granulated with low moisture, not requiring drying.
- A simple technology : fast implementation, ease of maintenance, easy handling.
- An efficient process : cheaper granules with reduced fixed costs and low production cost.
- Less wear than classical die presses
- A flexible process : a large range of clays (bentonite, sepiolite, attapulgite...) can be compacted in our roller presses.

### Proposed Services

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



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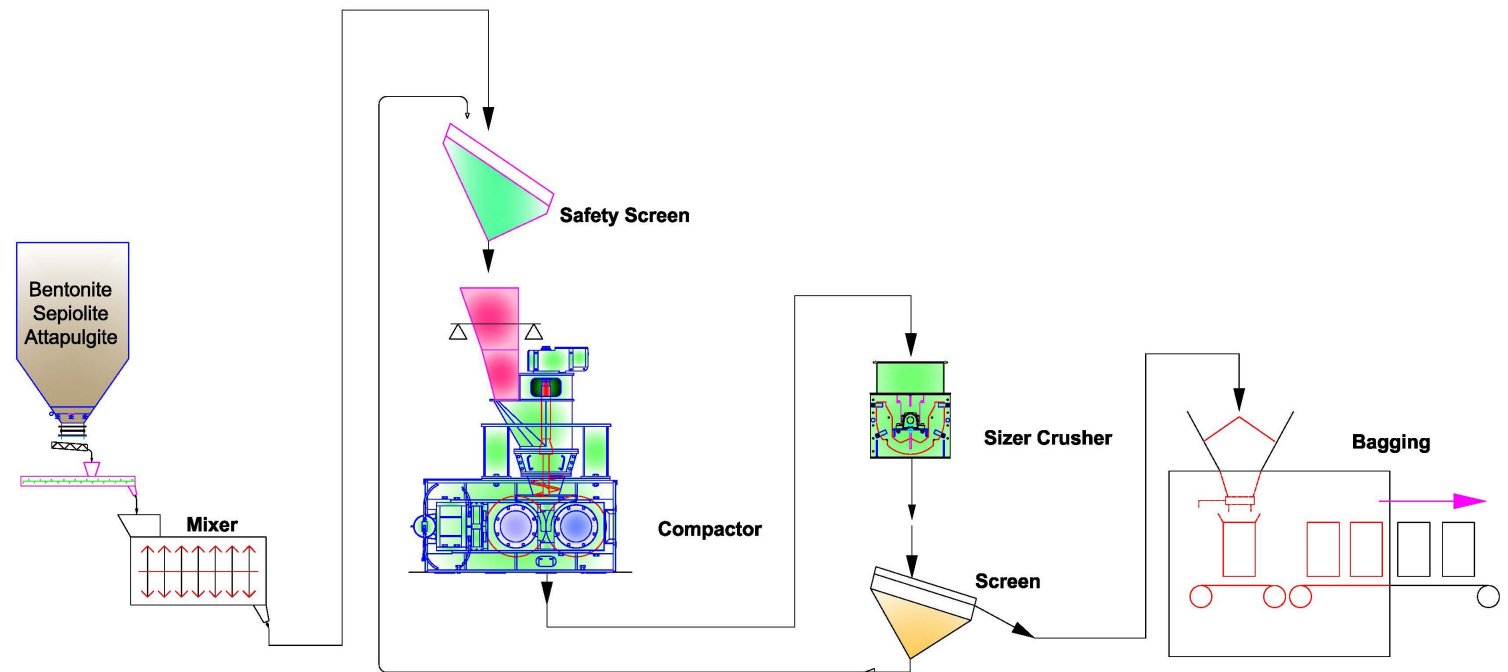


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Example of a EURAGGLO granulation line with a single crushing circuit

**Dry granulation**

Line with single BCR-type sizer crusher



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