

MINERAL FERTILIZER GRANULATION AND BRIQUETTING

EURAGGLO offers a briquetting, compaction and granulation process based on the technology of roller press compactors.

This process allows the dry granulation of composed formulae type PK and NPK or unit raw materials like ammonium, sulphate, potassium sulphate, potassium chloride and of calcium and magnesium-based soil conditioners. The presses are also used for mixed fertilizer briquette production for specific use or tropical crops (oil-palm trees, hevea...).

PROCESS

The process consists in homogeneizing various mineral raw materials (crushed beforehand if need be) like urea, AS, TSP, natural phosphate, MAP, KCl, micro additives.... Before compacting them in a roller press to form flakes which will then be crushed and sieved to obtain the final required size-range (for example 2-4mm, 2-6mm...).

The formed granules can undergo a post treatment like polishing, coating or hardening to improve their mechanical characteristics and reduce their tendency to caking.

Alternately, the press can produce briquettes of fertilizers with the same formulae. These doses can weigh between 5 and 20 grams or more.

The formulations can be adapted in terms of control-release properties and additives to facilitate the granulation and the long-term storage.

ADVANTAGES

- A dry process : without drying or post treatment.
- A cleaner process : no liquid or steam effluents generated by the granulation process.
- A simple technology : fast implementation, ease of maintenance, easy handling.
- A flexible process : fast and easy change of production between formulae.
- An economical process : moderate operating costs, reduced fixed costs.
- A wide choice of raw materials.

Proposed Services

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



EURAGGLO S.A.S.

Rue Jean Jaurès
Z.A.E. de Blanc Misseron
F- 59920 Quiévrechain

Tél. + 33 327 090 009
Fax. + 33 327 090 010
euragglo@euragglo.com
www.euragglo.com

Member of the

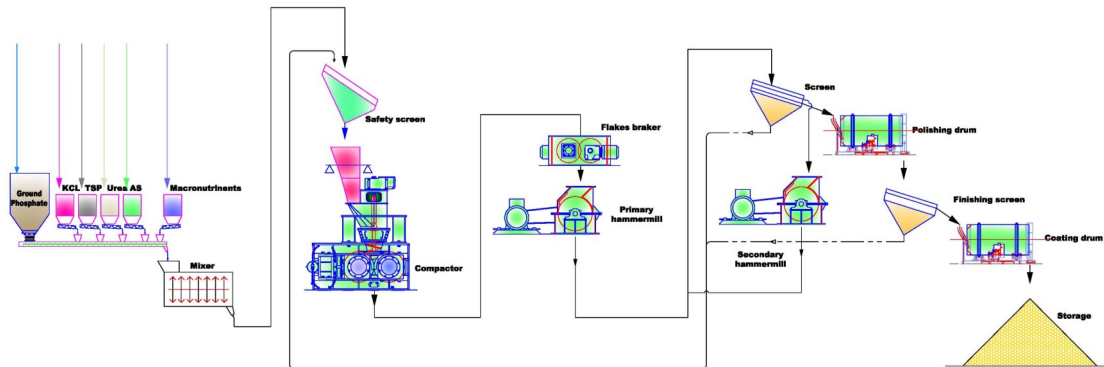
Köppern
Group



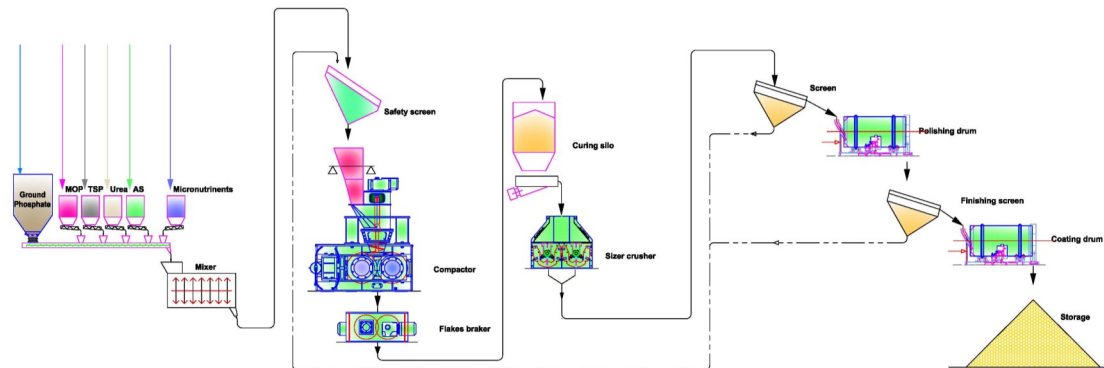
MINERAL FERTILIZER GRANULATION AND BRIQUETTING

Examples of granulation lines with single or double crushing circuits

DRY GRANULATION Granulation line with double crushing step



DRY GRANULATION Granulation line with single sizer crusher BCR



EURAGGLO S.A.S.

Rue Jean Jaurès
Z.A.E. de Blanc Misseron
F- 59920 Quiévrechain

Tél. + 33 327 090 009
Fax. + 33 327 090 010
euragglo@euragglo.com
www.euragglo.com

Member of the
Köppern
Group