

A. J. Sackett Granulation Systems - World Leaders For Over 100 Years



Granulation Technologies:

- *NPK Fertilizer
- *SSP and TSP
- *Granular Limestone
- *Organic Fertilizer
- *Byproducts
- *Minerals

Granulation, or "agglomeration", has always been equal parts raw materials, process equipment, and expertise. We at A. J. Sackett have been leaders in the field for over 100 years.

Innovation is very important to us. Changing environmental regulations, economic factors, nutrient analysis demands, and advancing computer based control systems all keep us on our toes researching the best processes and equipment systems to granulate materials most efficiently.

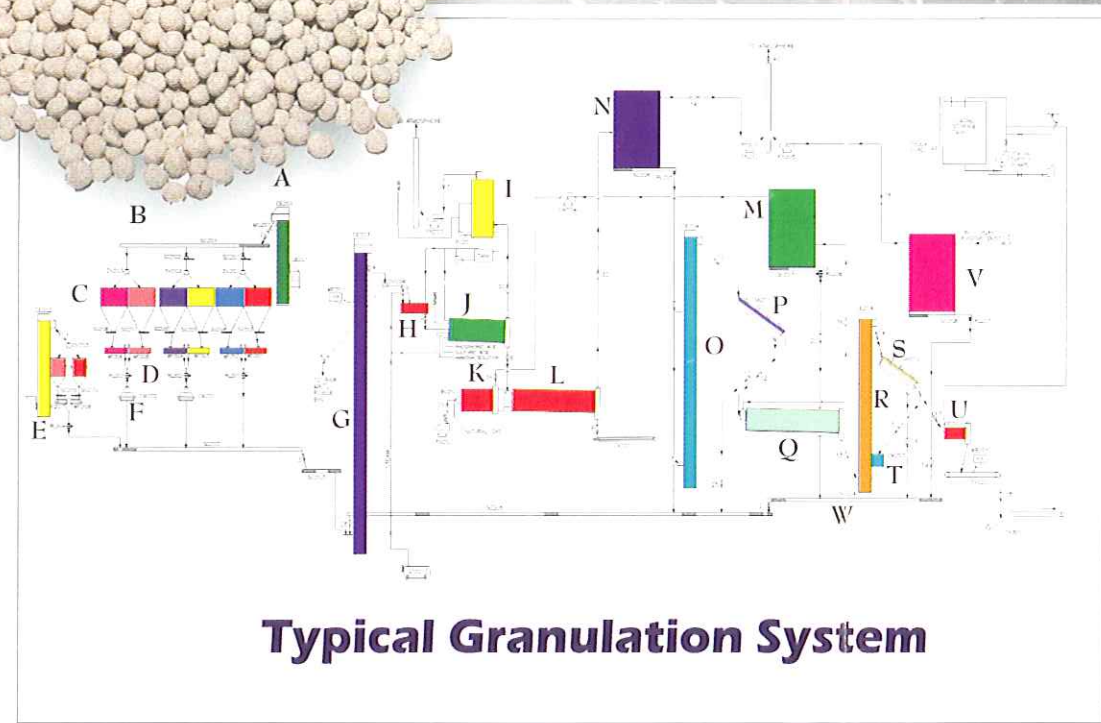
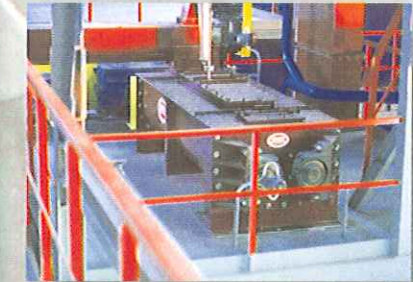
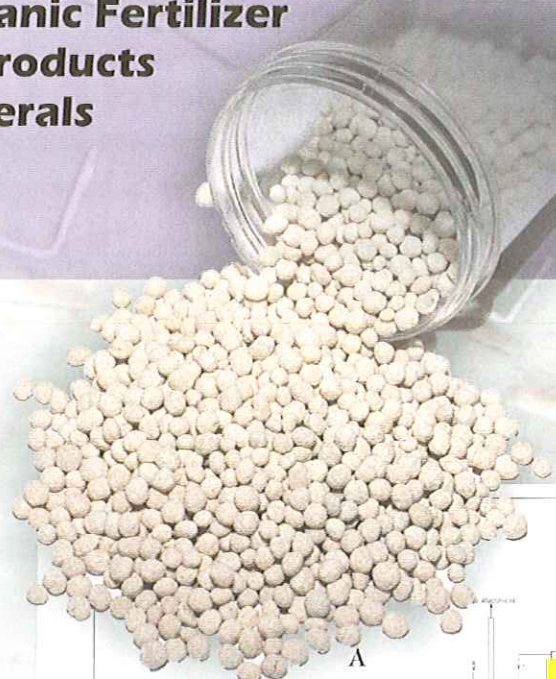
Our unique position of supplying design engineering and manufacturing equipment allows us to minimize cost and control total system quality.

To develop our innovative systems, we have a granulation pilot plant in our research lab that is run by experienced plant operators and engineers. Our pilot plant tests allow us to obtain the parameters necessary to scale up and design reliable production facilities.

Sackett granulation technology can utilize chemicals, steam or binders depending on the material, desired product and environmental impact. The end product has good hardness, transports and stores well, and has high size conformity.

We have designed and equipped over 150 granulation plants worldwide, and in every one of them, quality has been our top priority. Our systems vary in production rates from 5 to over 40 TPH. We also manufacture compaction systems.

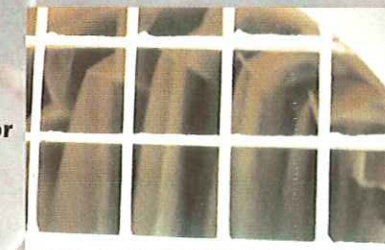
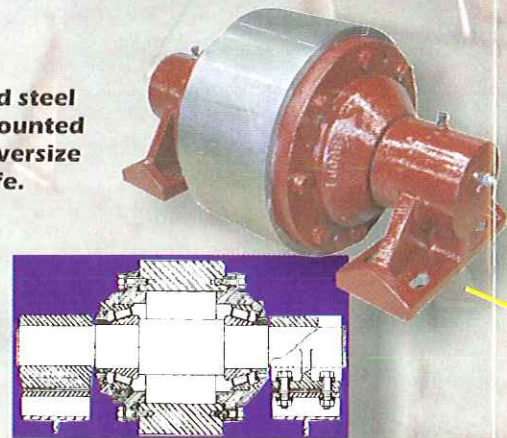
We invite you to contact us for more information or to schedule a granulation test of your materials.



Typical Granulation System

- | | | | |
|--|-----------------------------|--------------------------------|----------------------------------|
| A-Raw materials bucket elevator | G-Bucket elevator | M-Cooler dust collector | S-Primary screen |
| B-Distribution screw conveyor | H-Pug Mill | N-Dryer dust collector | T-Oversize crusher |
| C-Raw materials holding bins | I-Scrubbing system | O-Bucket elevator | U-Coating drum |
| D-Feeder belts | J-Granulating drum | P-Scalping screen | V-Fugitive dust collector |
| E-Micronutrient feed system | K-Combustion chamber | Q-Rotary cooler | W-Recycle conveyors |
| F-Pulverizers | L-Rotary dryer | | |

(R) Sackett's exclusive forged steel trunnions have internally mounted tapered roller bearings on oversize stationary shafts, for long life.



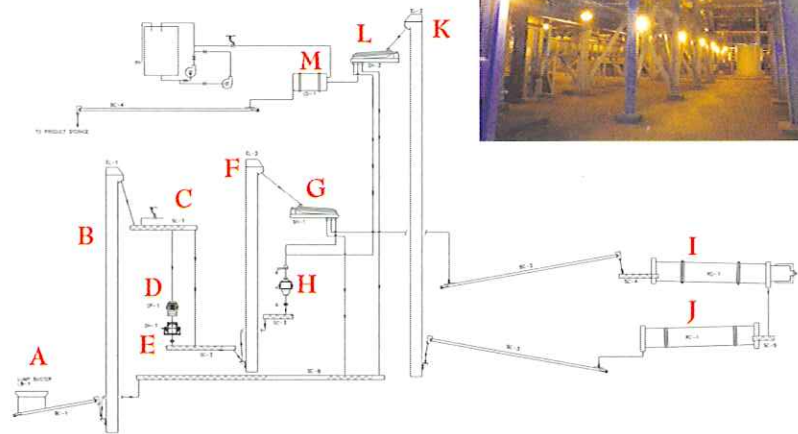
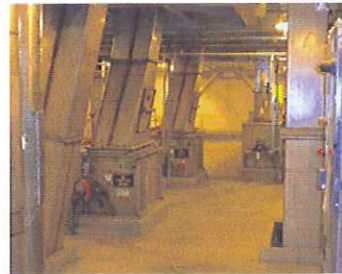
Sackett Compaction Systems

Sackett Compaction/Granulation systems are known for their consistently high quality product while maintaining a high efficiency screening and crushing circuit which maximizes on-size material and minimizes recycle. This way the power consumption is decreased while the throughput is increased.

Utilizing world leaders in compactor technology, uniquely designed and tested granulators and crushers, state of the art screeners, and robust materials handling equipment, Sackett systems offer outstanding performance with any fertilizer.

Sackett's supply normally includes complete process design and plant layout, complete equipment supply including pollution control, and a user friendly control system. When a superior quality product is the goal, Sackett offers a proprietary system for post treatment, conditioning and coating of the material.

Single compactor system capacities range from 5 to 40 TPH, with higher capacity multiple compactor systems also available. With both compaction/granulation and rotary granulation (agglomeration) technologies available, we can process almost any material. Contact us today to discuss your material and requirements or to set up a test.



A-Raw material feed
B-Primary bucket elevator
C-Mixing screw conveyor
D-Compactor
E-Granulator mill
F-Secondary elevator

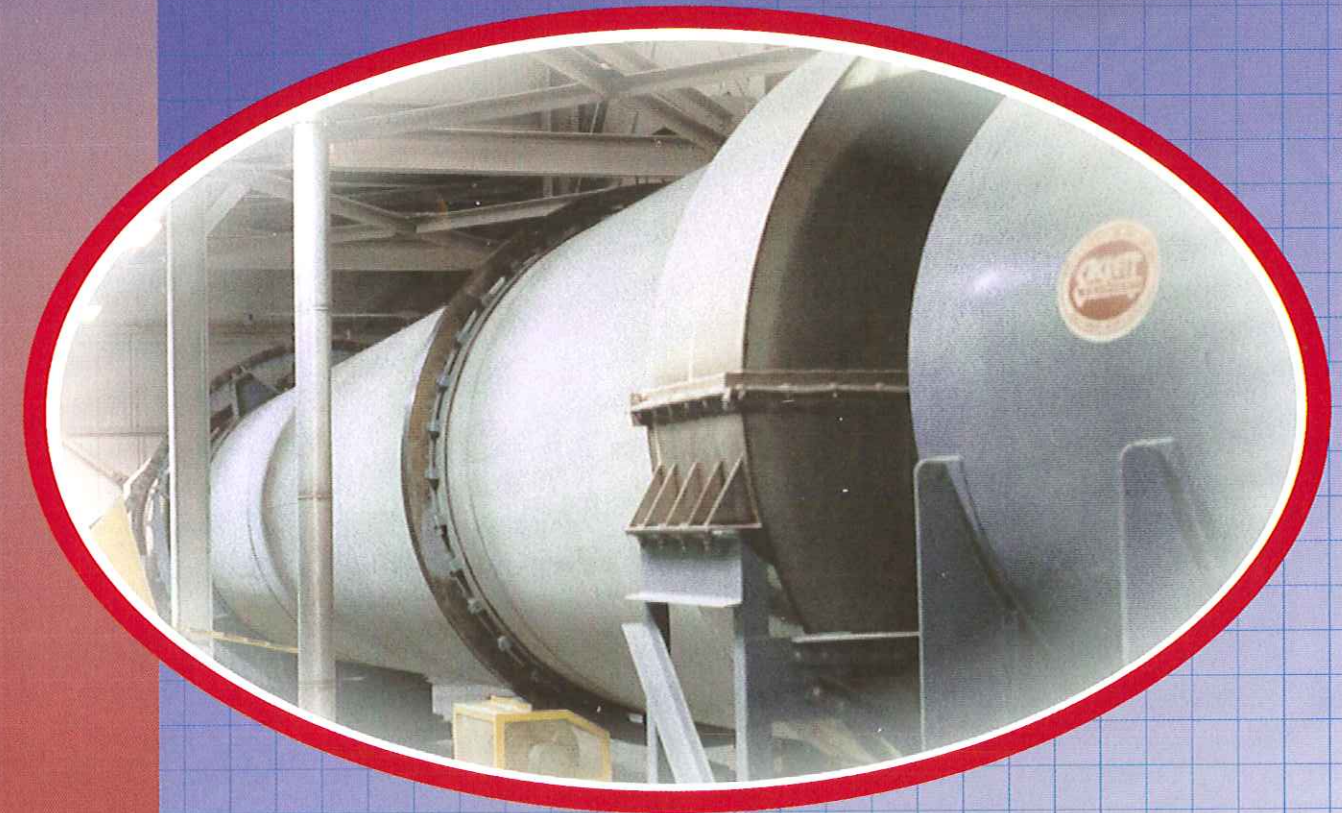
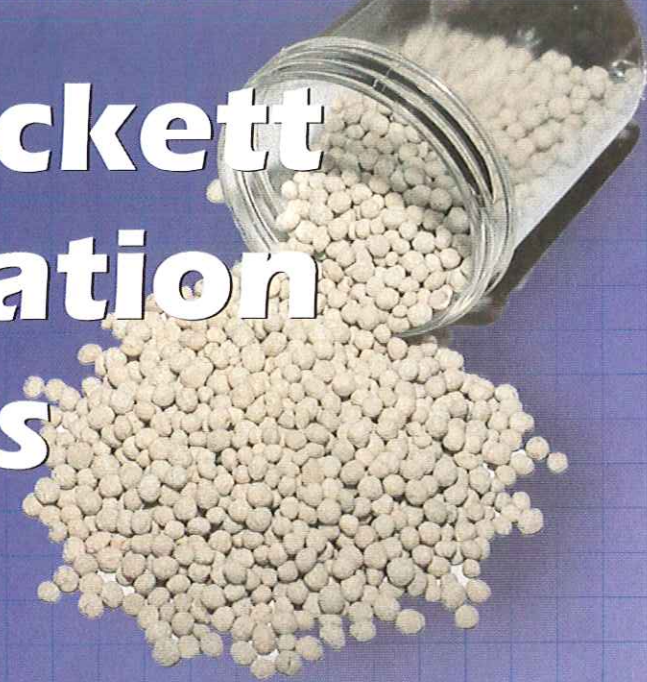
H-Oversize crusher
I-Post treatment system (optional)
J-Rotary cooler
K-Product elevator
L-Polishing screen
M-Coating drum

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Leaders In Fertilizer Technology Since 1897