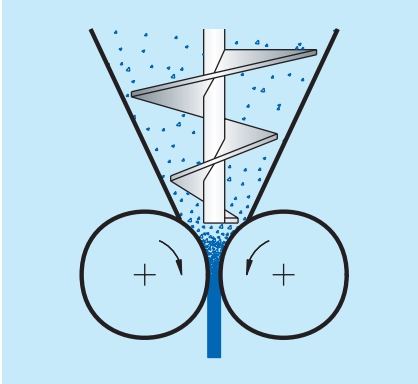
PRESS AGGLOMERATION

HOSOKAWA MICRON

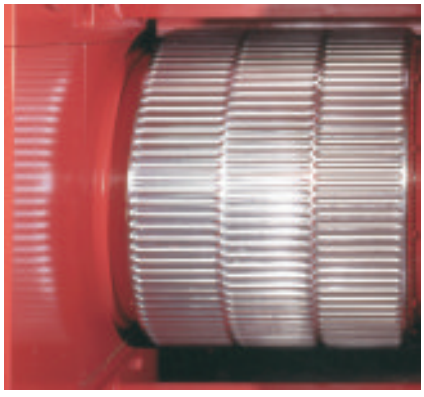
HOSOKAWA ALPINE Compaction

A Division of HOSOKAWA ALPINE Aktiengesellschaft

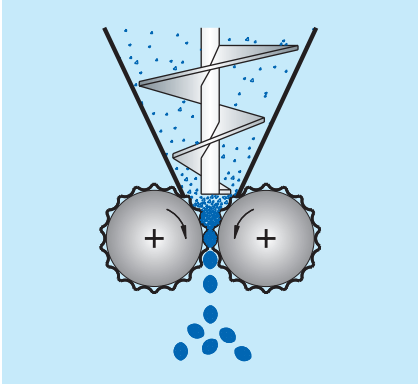
Compacting.
From Powders to Granules



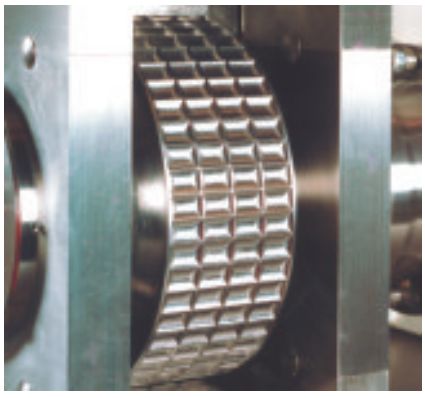
Fine dispersed bulk materials are compacted and pressed into flakes. Either smooth or profiled rolls are used. The flakes are crushed and screened. The products are dustfree, easyflowing granules with increased bulk density.



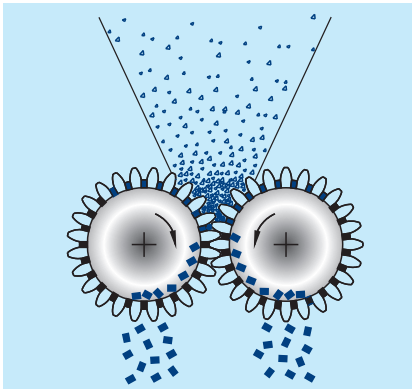
Briquetting.
Giving Shape to Powders



The KOMPAKTOR rolls have pockets and produce dense, abrasion-resistant briquettes under high pressure. Whether chemical products, minerals or metal powders, we make briquettes with the optimum size and shape and density.



Pelleting.
Pellets and Spheres



Dry, moist or pliable materials are formed into pellets. The shape of the nozzle is matched to the specific application. If the product is pliable enough, spheres can be formed in a subsequent process step.

The applications are almost unlimited, whether penicillin, PVC-stabilizers, catalysts, …

Manufacturing and Engineering. Laboratories and Pilot Plants

Factory and test station in Leingarten/Heilbronn, Germany.

Pilot plant used for scale-up of processing plants.

Laboratories for pharmaceutical and chemical products.

"Particle size Enlargement" - This has been Hosokawa Alpine business for decades. Compacting, briquetting and pelleting with roll type presses entails more than just the design of machines. Clear understanding of specific applications, proposing an optimum solution - this can only be accomplished with experience in process engineering. We are familiar with the problems of handling powders, dusts and slurries. Flakes, briquettes and pellets provide dust-free products, good flow and metering properties, as well as a higher bulk density.

With particle size enlargement your handling problems diminish, whether antibiotics, filter dusts, fertilizers or metal chips are processed.

Extensive knowledge is available in Hosokawa Alpine laboratory to provide technical and economical solutions. The result is not only a machine configuration - we provide engineering and systems capability to meet your production needs. This also includes the production of sample quantities.

HOSOKAWA ALPINE
Agglomeration Technology
We bring your powder into shape

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The ALPINE Technologies
Machines and complete plants for
- ❑ Compaction
- ❑ Briquetting
- ❑ Granulation
- ❑ Size reduction
- ❑ Pelletizing
- ❑ Extrusion
- ❑ Spheronization

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Hosokawa Alpine Compaction is a member of the Hosokawa Micron Group, responding to global needs through emphasis on materials science and engineering. The Group is an international provider of equipment and technology for powder and particle processing, plastics processing and confectionery products. The Group maintains facilities for research, engineering, manufacturing and service in each of the world's major industrial markets.

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