

ROLL COMPACTOR

The Bepex Roll Compactor is a high-pressure agglomerator capable of pressing fine solids into larger, denser masses. Demand strict control over your product characteristics, including size, shape, density, strength, and solubility, without adding unnecessary and costly binders, requiring downstream treatment.



MAKE IT GRANULAR

Transform your fine powders into granules of consistent size, shape, density, strength, and solubility. Granulation without a liquid binder means no required downstream drying processes, reducing cost and complexity.

MAKE IT DENSE

Convert low-density powders into high-density granules, briquettes, pellets, or other specialized shapes. Increase strength and improve handling through dry agglomeration.

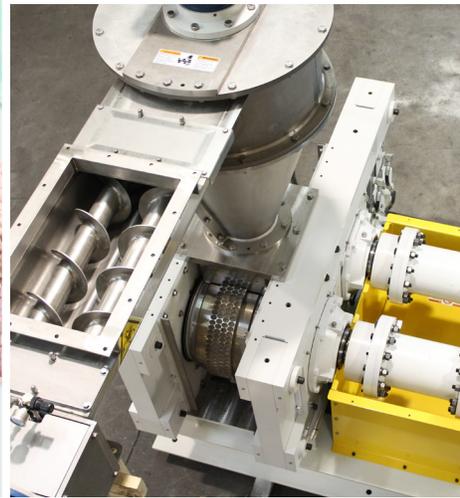
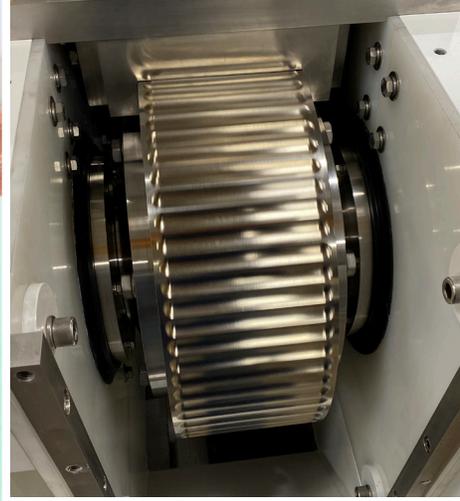
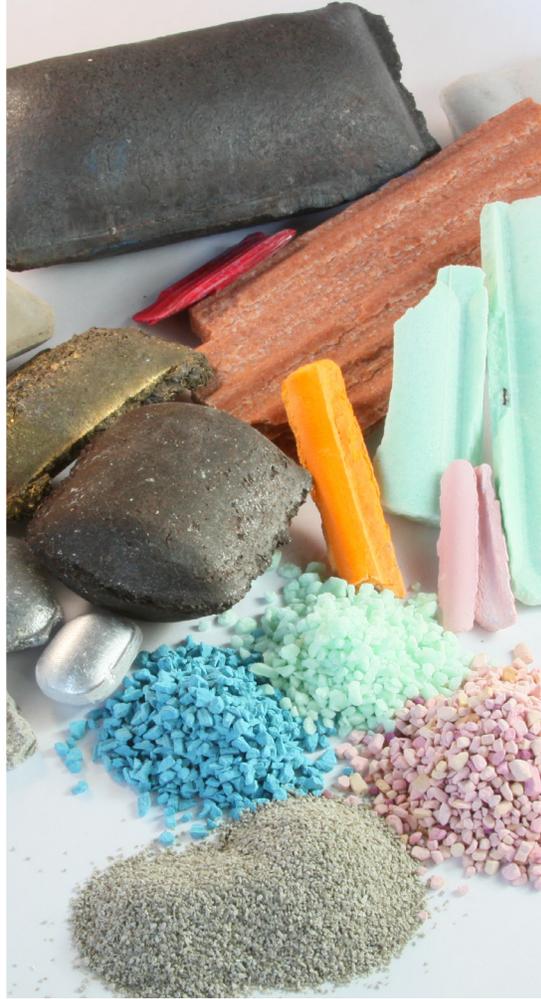
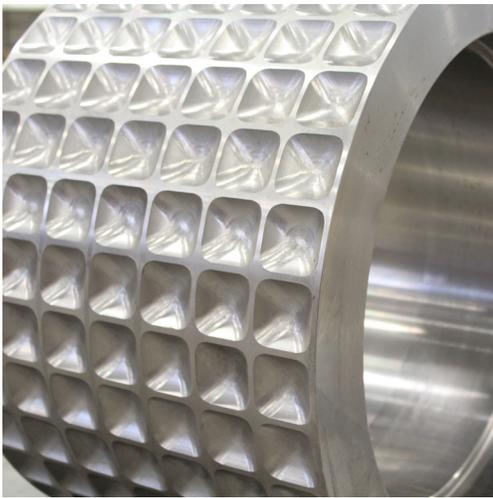
MAKE IT DUST-FREE

Output a product that is free from nuisance dust. Convert your current waste dust into value-added product, or improve handling and waste conditions through agglomeration.

MAKE IT YOURS

Custom-designed applications to meet your specific requirements. We are best positioned to develop the right process, either wet or dry, for your agglomeration needs.

DRY **GRANULATE** MICRONIZE REACT **DEDUST** GRIND **DENSIFY** EXTRUDE **SOLUBILIZE** BLEND
DEVOLATILIZE DEWATER DELUMP INSTANTIZE PUREE HEAT COOL COAT **BRIQUETTE**
CRYSTALLIZE **PELLETIZE** CLEAN CHOP SHRED **AGGLOMERATE** HYDRATE MIX



OPERATING PRINCIPLES

Fine powders are brought into the feed hopper. The feeder is designed to pre-densify materials while consistently metering the feed into the dual rotating rolls. As the rolls rotate, the specially designed pockets on the rolls grab the fine powders and bind them together through pressure.

GRANULATING

If granules are the intent, the compacted sheet is sent through a milling circuit designed to maximize yield. The sheet is first coarse ground in a flake breaker. A screener separates the coarse ground material into three separate cuts; fines which are recycled back as Compactor feed, on-size product, and overs. The overs are directed to a granulating mill that is optimized to maximize on-size product yield.

BRIQUETTING

If briquettes, pellets, tree spikes, or other custom products are the intent, they will be sent through a screener to remove any residual dust before sending them to packaging.