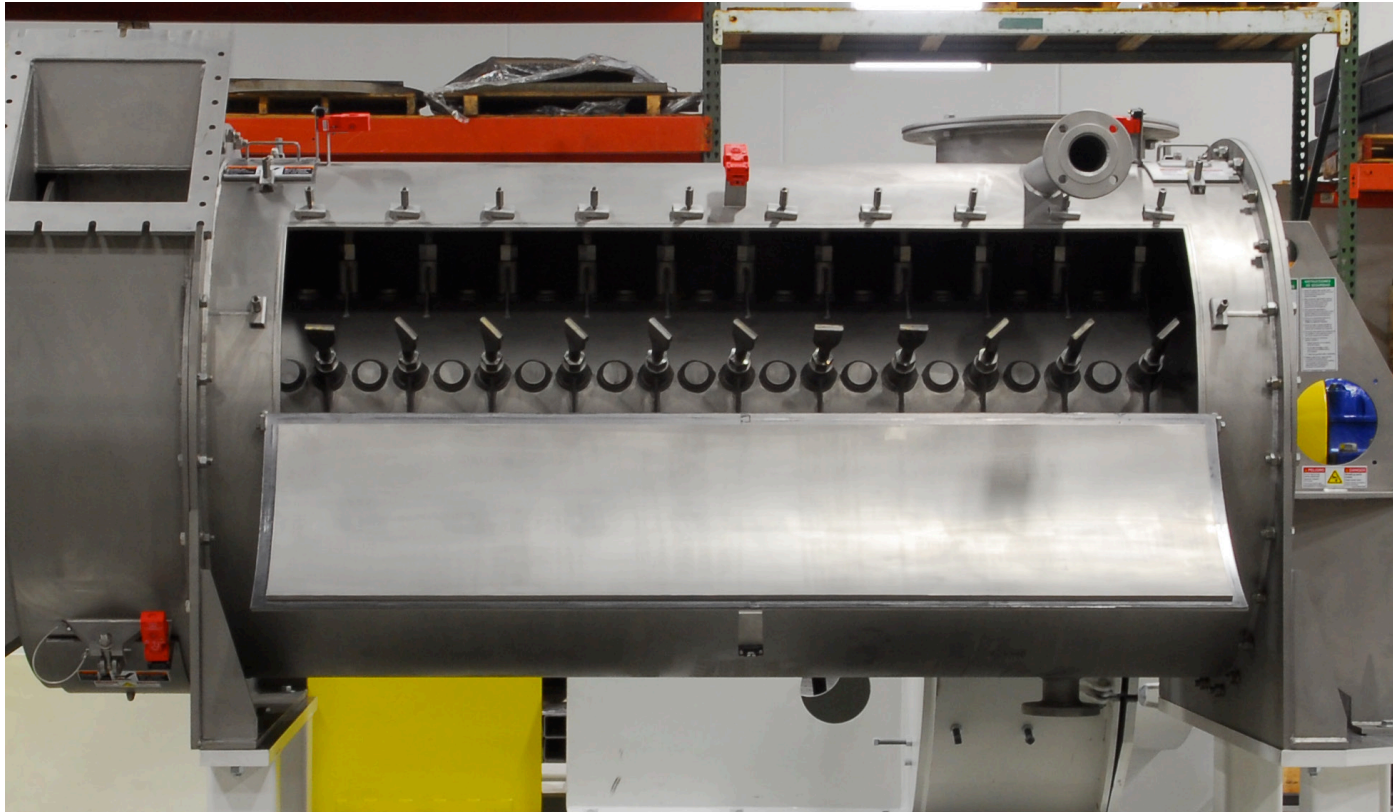


TURBULIZER

The Bepex Turbulizer is a continuous paddle mixer, designed for versatility in application, from wet granulation to homogenization. The adjustable paddle rotor gives strict control over shear and residence time, allowing you to command the exact product specifications you need.



MAKE IT GRANULAR

Wet granulation systems designed to your specific product requirements, including particle size, density, strength, shape, and solubility. Continuously produce granules up to 2-3mm from multiple feed inputs.

MAKE IT SOLUBLE

Control granule solubility through variable shear, residence time, and particle growth. Whether the Turbulizer or any of our other granulation technologies, we are best situated to provide the right solution for your product.

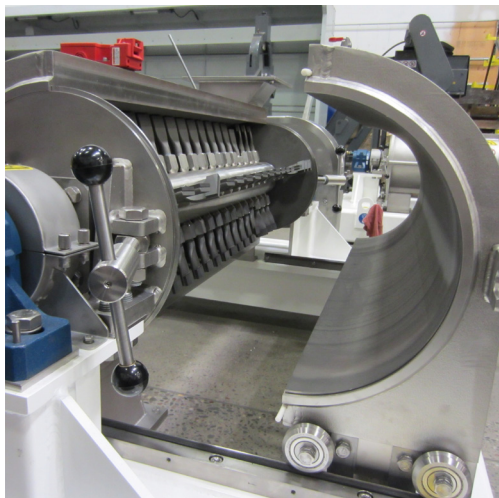
MAKE IT DUST-FREE

Wet granulation or agglomeration tackles nuisance process dust, outputting a dust-free particle. Operate a zero-waste system and improve both the in-plant and end-user experience.

MAKE IT FLOWABLE

Transform fine particles into larger, cohesive masses through wet agglomeration. Improve material handling, transportation, and bulk storage conditions by controlling particle size and density.

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

The Turbulizer Paddle mixer offers versatility in application and design. It can process multiple solids, solids and liquids, or multiple liquids.

GRANULATING

Granulation occurs through wet agglomeration, growing consistent particles by combining solid(s) and liquid(s). The adjustable paddle rotor provides control over shear, residence time, and particle growth.

Solids feed enters via an inlet port custom designed for the application. Liquid binders enter through injection ports along the vessel wall, or through the rotor via a rotary joint.

The mixing intensity and shear are adjustable to precisely match and control your product requirements, including particle size, solubility, density, and flowability.

HOMOGENIZING

Replace bulky and labor-intensive batch blenders and mixers with a compact, continuous paddle mixer. Blend multiple solid and/or liquid ingredients into a homogeneous stream, saving time, space, and labor.

