



Anti-Gravity Blender

Recirculating/Fluidized Blending

Tired of clunky, energy-guzzling blenders that struggle with fine powders? At Young Industries, we've engineered a better way. Our patented Anti-Gravity Blender uses a unique, low-pressure air system to gently and efficiently blend even the most stubborn powders – those with particle sizes less than 100 mesh and poor flow properties.

Forget about motors, agitators, and the maintenance headaches that come with them. The Anti-Gravity Blender delivers a consistent, homogeneous blend every time, while using minimal energy. It's the smart, cost-effective solution for your fine powder blending needs.



Learn
more at
younginds.com



Homogeneous Blending of Fine Powders with No Moving Parts

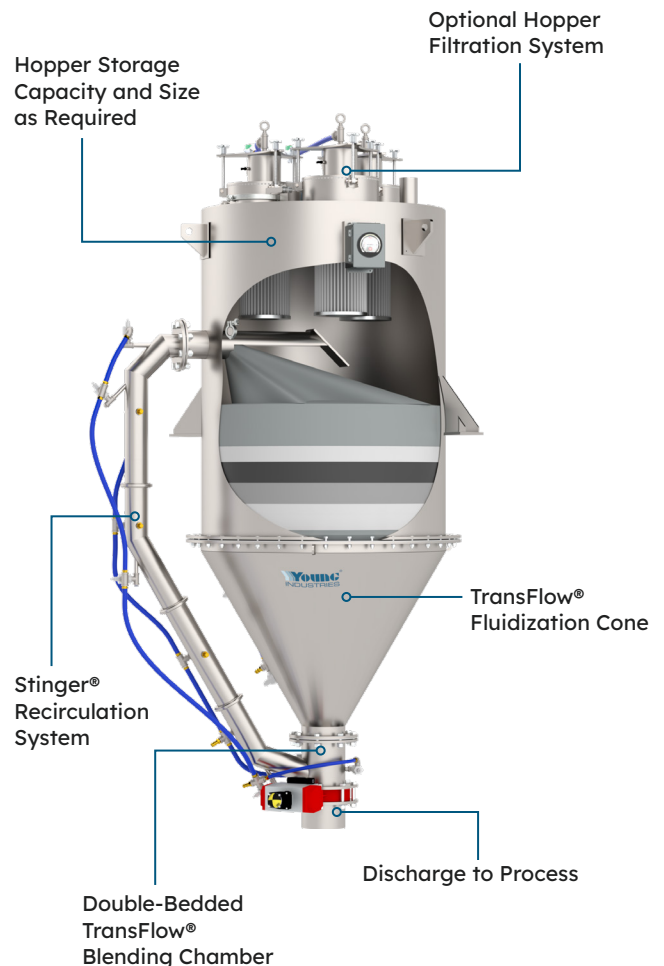
Our Anti-Gravity Blender relies on a simple, yet effective design. It all starts with a cylindrical hopper sized to fit your batch, from 5 to 1,200 cubic feet.

We line the conical hopper section with our TransFlow® fluidization media. This section can be designed at a 30° to 60° angle, depending on the material and its flow characteristics. The 316 stainless steel TransFlow® lining makes blending as efficient as possible.

At the discharge of the cone, there's a TransFlow®-lined blending chamber where the blending and conditioning process continues. This chamber has a discharge nozzle with a shut-off valve to isolate the blender from your process. When the valve is closed, the powder goes up through the Stinger® recirculation system and back into the hopper.

The Stinger® recirculation system continuously adds air to the powder as it moves back to the top of the hopper, assisting with the blending action. And the best thing? No moving parts to worry about!

This fluidization reduces head pressure requirements in the hopper, so you only need a little bit of air to keep the powder moving and blending. It's almost like the powder transforms into a fluid, flowing smoothly through discharge.



Efficient, Gentle, Fluidized Blending

Once your powder is perfectly blended, discharge is simple. Just open the valve at the bottom, and your material is ready for the next step in your process.

Want to see the Anti-Gravity Blender in action? Schedule a test or demonstration at our Young Industries' facility in Muncy, PA. We'll show you firsthand how this innovative blender can improve your process and your bottom line.