



# High Shear Counter-Current: Simply the most effective mixing technology available.

One-step pelletizing/granulating systems  
Increased yields, much higher throughput, and better mixing productivity  
Diverse mixing and pelletizing applications  
Rugged, dependable, and world-class equipment



## GAME CHANGING MIXING TECHNOLOGY

- Mix and pelletize in one machine and one process
- Homogenize powdered materials of different densities quicker and more effectively
- Create homogeneous pellets that consistently deliver precise ingredient formulations
- Deliver pellet size range tight tolerances and higher yields than possible with most other machinery
- Alter the pellet size range from batch to batch with no changes to formulation or equipment to create products for different markets

We make high-throughput industrial mixing machines for customers in industries as diverse as ceramics, glass, refractories and proppants



Our engineers and manufacturing team design, build, and support high-throughput material processing equipment to your specific requirements.



**Lancaster Products High Performance Mixing and Pelletizing Machines provide one-step convenience with a wide range of application options.**



Lancaster Products combines decades of mixing experience, working across multiple industries, with the finest granulating and pelletizing mixer technology.

Our line of high shear counter-current mixers can

- mix and pelletize in the same operation, supplanting the need for multiple pieces of mixing and pelletizing equipment in a process.
- rapidly homogenize multiple minor ingredients with majors in a mix resulting in higher quality products and reduced reaction times.
- mix and granulate bulk material in a variety of industries including building materials, high performance ceramics, fertilizers, flat panel glass, refractory and recycling of waste materials.



#### PERFORMANCE FEATURES INCLUDE

- **All in ONE Machines** – For Blending, Pelletizing, Granulating, Slurrying, Dissolving, De-Dusting and Reacting.
- **Faster Mixing**
- **Less Additives**
- **No Dead Zones**
- **Continual Material Removal**
- **Works with a Variety of Materials**
- **Variable Speeds**

#### THE MOST EFFECTIVE MIXING TECHNOLOGY

Our **counter-current mixing action** is the most effective mixing technology for rapid and consistent uniformity.

The rotating pan efficiently conveys material to secondary mixing plows and side wall scraper – all strategically placed to deliver **maximum material mixing**.

Designed for increased *relative particle velocities* - provides *countless material exchanges* throughout each batch cycle.

High-Intensive Mixers adds versatility in meeting almost any material mixing challenge by *individually changing component speeds*.



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