



Animal Nutrition

Blending in an OptimaBlend®

Benefits of blending pet food and animal feed in the OptimaBlend® Fluidizing Paddle Blender:

- Ingredients of various size, shape, and density are mixed efficiently thanks to the mechanical fluidization action
- High particle movement
- Minimal shear and heat
- No overmixing, minimal product degradation
- Homogeneous mix - very high mix quality
- Faster mixing and increased production capacity
- Lower CV values
- Lower consumed power
- Ideal replacement for ribbon and V-shell blenders



Blending Technology for Animal Nutrition

The animal nutrition market:

The global animal health market continues to be driven by increasing pet ownership and rising demand for improved nutrition, as well as rising awareness towards the quality of meat and dairy products consumed. As a result, animal nutrition manufacturers require equipment that can blend ingredients accurately to ensure delivery of precise dosages for every animal, optimize animal performance and health, and lower the cost of production animals.



The blending technology:

The OptimaBlend® Fluidizing Paddle Blender from American Process Systems® provides best-in-class blending equipment for lab to high-volume production. The OptimaBlend overcomes the limitations of established ribbon and v-shell blender technologies by mechanically fluidizing the product, eliminating roll-apart segregation caused by gravity, and ensuring an efficient and gentle mixing process regardless of density, shape, or size.

Successful applications:

APS blending equipment is installed in some of the biggest and most successful animal nutrition companies in the world and in nearly every segment of the animal nutrition market. Common ingredients include protein powders, amino acids, vitamins, minerals, lipids, eubiotics, enzymes, and carotenoids. Successful applications include:

- Baked pet food, biscuits & treats
- Dietary supplements
- Semi-moist pet food and treats
- Mineral supplements
- Dried and smoked pet treats
- Flavor enhancers
- Animal feed
- Vitamin premixes



Eirich Machines, part of worldwide Eirich Group, is an international supplier of machinery, systems, and services for material processing. With the two product lines EIRICH and American Process Systems® (APS), we offer the most comprehensive range of mixers, blenders, pelletizers, dryers, and grinding mills.

Our APS product line includes:

- Fluidizing Paddle Blenders
- Ribbon Blenders
- Paddle-Ribbon Blenders
- Paddle Blenders
- Plow Blenders
- Dryers/Reactors



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