Application Focus

Trail Mixes
Blending in an OptimaBlend®

Benefits of blending trail mix and similar in the OptimaBlend® Fluidizing Paddle Blender:

- Ingredients of various size, shape, and density are mixed efficiently thanks to the mechanical fluidization action
- Minimal shear and heat
- Gentle on fragile ingredients like nuts, dried fruit, and chocolate pieces
- Homogeneous mix - very high mix quality
- Faster mixing
- Lower CV values
- Lower consumed power

Nuts • Seeds • Dried Fruit • Yogurt Bits • Candy / Chocolate • Coatings / Flavorings
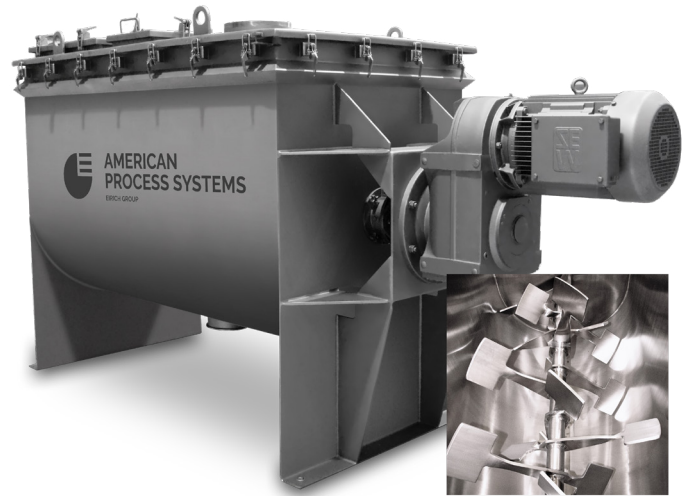
Blending Technology for Trail Mixes

The trail mix market:

The trail mix market continues its steady growth trajectory as Americans seek convenient foods that they can eat on the go and feel good about. Trail mixes are made by combining nuts, dried fruit, seeds, chocolate, pretzels, granola, and other ingredients which require equipment that can blend mixes accurately with little or no breakage to insure packaging of quality mixes with consistent volumetric sizing.

The blending technology:

The OptimaBlend® Fluidizing Paddle Blender from American Process Systems® provides best-in-class blending equipment and systems for lab to high volume production. The OptimaBlend® overcomes the limitations of established methods of blending and provides a better quality-of-mix along with faster mix times. OptimaBlend® mechanically fluidizes the product, eliminating roll-apart segregation caused by gravity and ensuring an efficient and gentle mixing process regardless of particle size, shape, or density.

The OptimaBlend® can meet all requirements of FDA/USDA requirements for food processing applications. The 300 series stainless steel construction with all internal welds, continuous, ground smooth and polished along with v-ring rotary packing seals makes it ideal for applications that contain allergens.

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.

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Our APS product line includes:
• Fluidizing Paddle Blenders
• Ribbon Blenders
• Paddle-Ribbon Blenders
• Paddle Blenders
• Plow Blenders
• Dryers/Reactors

AMERICAN PROCESS SYSTEMS
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