



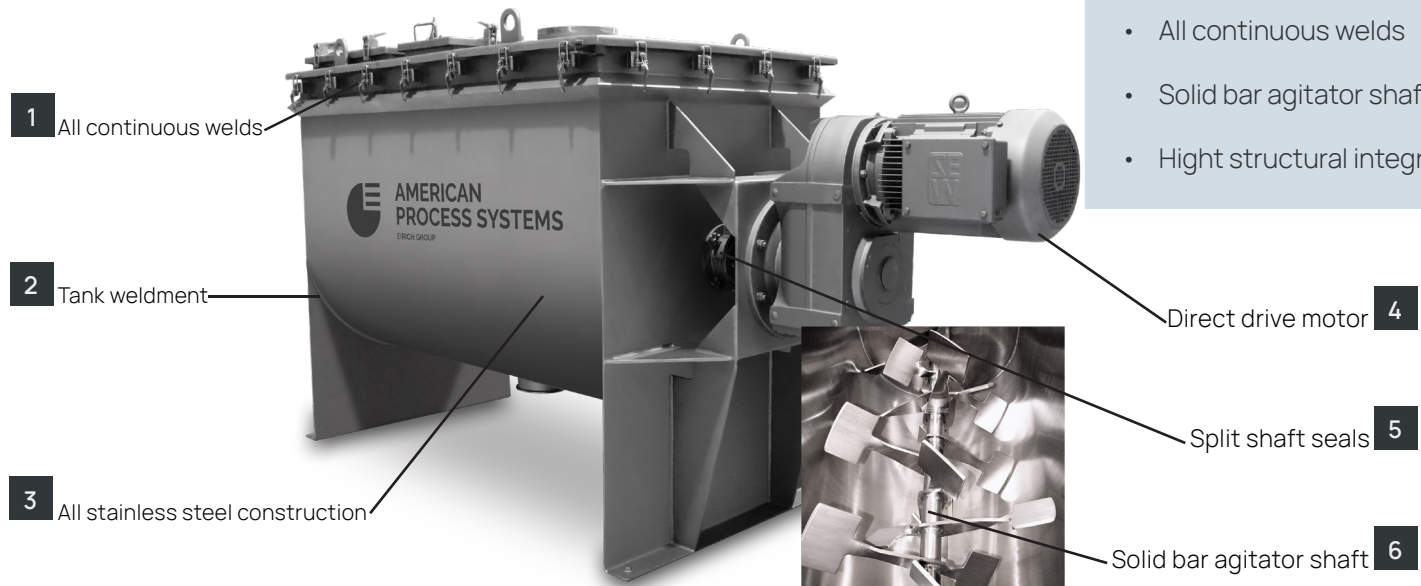
Sanitary Design Advantages

Exterior, Interior, and Agitator

The American Process Systems® (APS) product line of sanitary blenders are carefully designed with sanitation and maintenance in mind. Every detail has been given careful consideration for reliability and performance and constructed to ensure effective and efficient cleaning over the life of the equipment.

Design features & benefits

- Stainless steel construction
- One-piece weldment
- All continuous welds
- Solid bar agitator shaft
- High structural integrity



1. Finish

- All continuous welds, internal welds are ground smooth and polished; free of pits, cracks, crevices and sharp corners.
- All product contact surfaces have a #4 (36-60 μ m) ground finish or better; free of pits, cracks, folds, weld marks, and other imperfections.

2. Tank

- Fully welded without removable or slotted end plates; no seams or sharp corners for unmixed materials to accumulate.

3. Materials

- All 300 series or better stainless steel construction; corrosion resistant, non-absorbent and durable construction materials.
- All non-stainless steel non material contact components are primed and painted with stainless steel pigmented coating.

4. Drive

- Direct drive (TEFC) motor; less airborne particles and maintenance than belt or chain driven mixers, suitable for wash-down applications.
- Drive motor and shaft bearing separated from blender wall; prevents oil and grease from entering the blender.

5. Shaft Seals

- Two-piece, split shaft seal packing glands with optional air purge; easy to remove and maintain.

6. Agitator

- Solid bar shaft; provides greater strength than pipe or tube.
- One-piece paddle fully welded to shaft; eliminates the need to drill through or stake support posts to the main shaft, no nuts, bolts or exposed threads.

Our Unique Agitator Design

Design Advantages:

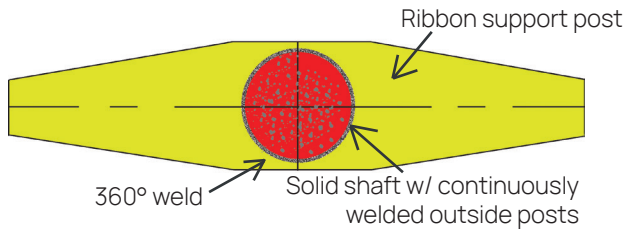
- Unique agitator design provides superior strength over the competition.
- Agitators constructed of solid stainless or carbon steel bar rather than a hollow tube.
- No nuts, bolts, internal flanges or drilled through support posts which can weaken even a solid shaft to the point of breakage.
- Design features a heavy plate post with a plasma cut hole. Each post slips over the solid bar shaft then is continuously welded 360° on both sides of the shaft, welds are ground smooth and have large radii throughout.
- Post construction adds to, rather than takes away from, the structural integrity of the agitator.



A competitor's agitator design

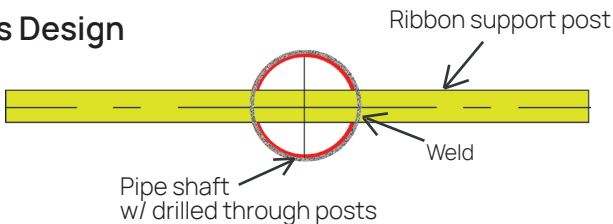
APS Agitator Design

Posts are wrapped around the solid agitator shaft



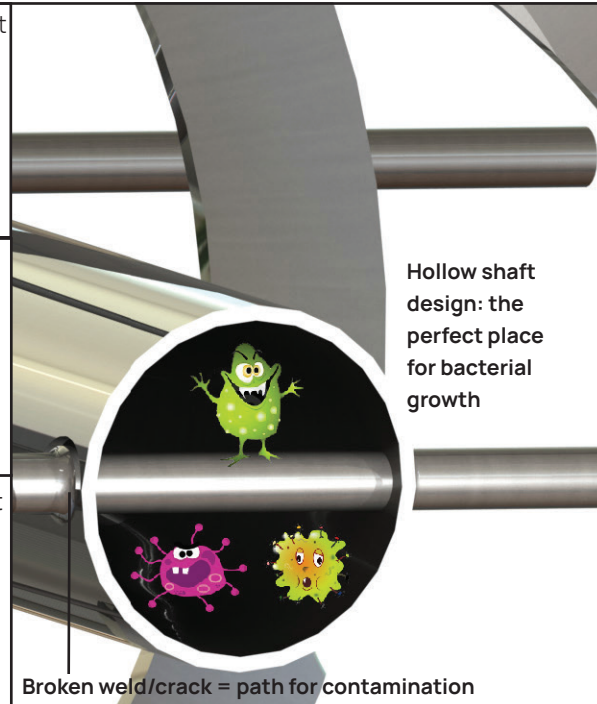
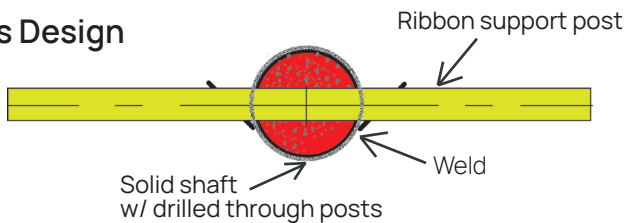
Typical Competitor's Design

Hollow shaft



Typical Competitor's Design

Solid shaft w/ support post drilled through



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



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