

# Consistent, Repeatable Blending

## Fristam FS Shear Blender: Personal Care Industry

As an inline blender, the Fristam's FS blends products quickly and consistently. The Shear Blender's rotor-stator design eliminates unblended product and prevents lumps and masses in product for consistent, repeatable results. The FS can also be installed into your existing batch tank process line to refine your mix, simply and affordably.

- Improved product texture
- Reduced processing time
- Economical to operate and maintain
- Low maintenance design for continuous duty
- 3-A Certified and CIP-ready
- Range of rotor/stator combinations from coarse to fine blending
- 12 models for flow rates up to 375 gallons (1,420 liters)
- Available on portable carts



## Blending Applications

- Shampoo & conditioner
- Lotion & cream
- Toothpaste & mouthwash
- Oil, fragrance, & perfume
- Pre-wetted wipes
- Body washes & scrubs
- Cosmetic coloring
- Deodorant & antiperspirant
- Hair dye, gel, & spray
- Moisturizer
- Liquid soap
- Lip balm & lipstick
- Sanitizer gel
- Sunscreen
- Liquid foundation
- Detergent



### Case Study: Lotion



FS Blender saves lotion maker  
\$400K in ingredients  
([www.fristam.com/fs-apps](http://www.fristam.com/fs-apps))

### Case Study: Hair Care



FS Blender shortens production  
time and improves product texture  
([www.fristam.com/fs-apps](http://www.fristam.com/fs-apps))

### Blend AND Send



The FSI Shear Pump combines the  
blending teeth of the FS with an  
integrated impeller for pumping.  
([www.fristam.com/FSI](http://www.fristam.com/FSI))

**Fristam**  
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