

PRODUCT PROFILE

Custom Shaft Seals for Food Process Machinery

MECO Shaft Seals offer clean and cost-effective sealing solutions for a variety of food processes.

Originally developed for sealing dry powders in screw conveyors, MECO seals have evolved to fill sealing needs for a wide variety of food process machinery.



Unsplit Seal on Dry Powder Blender

MECO seals handle dry powders, pastes, slurries and liquids in most food process industries:

DRY POWDERS:

- SALT
- SUGAR
- FLOUR/BAKERY PRE-MIXES
- DRY BEVERAGES
- SPICE MIXES
- DRY FLAVOUR CONCENTRATES

PASTES & SLURRIES:

- DOUGHS
- LIQUID CHOCOLATE
- CHEESE, BUTTER & DAIRY MIXES
- JAMS & CANDY FILLINGS
- SALAD DRESSINGS
- MEATS & PET FOODS

LIQUIDS:

- SOUPS
- BROTHS
- BEVERAGES
- LIQUID FLAVOR CONCENTRATES
- SOLVENTS & VAPOURS IN VEGETABLE OIL EXTRACTION SYSTEMS



Split Seal on Soup Cooker

- Ribbon Blenders
- Paddle Mixers
- Fluidized Zone Mixers
- Sigma Arm Mixers/Dough Mixers
- Cookers, Dryers & Hot Breaks
- Propeller Agitators
- Top-entry Crystallizers/Tank Agitators
- Conches
- Mash Tanks & Hopping Systems
- Screw Conveyors and Feeders
- Bucket Elevators
- Grinders & Attritors
- Solvent Extractors
- En Masse Conveyors

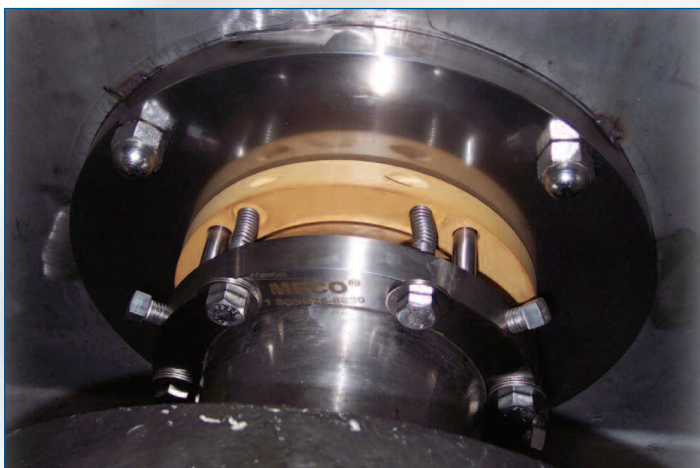


MECO Split seal for wet food service



FDA-approved materials are used, and some models can be configured for explosive atmospheres and certified, if needed, for European ATEX service.

MECO seals permit 6mm diametric shaft eccentricity (runout), ensuring product containment in mixing equipment. The seals eliminate packing and associated abrasion, product leakage, and product contamination.



MECO single-face seal on powder blender

MECO seals' low purge air consumption keeps loss in weight systems accurate and can increase process efficiency by improving vacuum containment.

Designed for quick and easy cleaning and sanitizing, MECO seals help maintain product purity. Seals and rebuild components are available fully-split, for bench sanitizing or rapid repair on-site. Seals can be flushed in place or equipped with third-party automated CIP systems.

Retrofit split seals can usually be fitted with little modifications required to existing machinery.



MECO Seal on Auger Packer

- Custom-designed for your machinery
- Fully-split
- 6mm runout capacity
- Low purge air consumption
- Easily removed for cleaning
- CIP/Flush ports available
- FDA-approved materials
- Double and Single-face Designs



Coating Ribbon blender



FTL TECHNOLOGY

SEALING, BEARING AND ENGINEERED SOLUTIONS

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