DUAL/ TRIPLE MOTION TECHNOLOGY

Scott Turbon® Laboratory, Top Mounted, and Hydraulic Ram Mixers can be fitted with additional mixing technology for more efficient processing of thick products.

The dual shaft mixer normally utilizes a high shear mixer in conjunction with a sweep, scrape surface, or turbine agitator. For low shear applications, a pitch blade turbine with a sweep or scrape surface agitator, or a counter-rotating concentric shaft arrangement can be incorporated.

The triple shaft mixer consists of a sweep or scrape surface agitator, a pitch blade turbine and a high shear mixer. When a counter-rotating mixer is requested, a bottom mounted mixer is fitted to the tank to complete the system.

Standard Features:
• High quality stainless steel construction
• #4 sanitary polish (approx. 32 Ra)

Optional Features:
• UL certified XP control panels
• Stainless steel* or XP motor
• Higher electro-polish finish available
• Heating/Cooling jacket on tank and temperature controls
• Vacuum system

Benefits of using multi-shaft mixers:
• Better flow for high viscosity products
• Use of scrapers that pull product from the tank walls
• Customizable helix and scrape surface agitators

*Available up to 20HP
Triple Motion Technology

TYPICAL MIXING

Applications

• Dispersion
• De-agglomeration
• Dissolution
• Hydration
• Blending
• Homogenization
• Emulsification
• Suspension
• De-aeration

Industries

• Food & Beverage
• Pharmaceutical & Biotech
• Cosmetics & Personal Care
• Chemical
• Petroleum Engineering
• Automotive

Benefits of using multi-shaft mixers:

• When using a scrape, better heat transfer
• Use of foil blades, propellers, or dispersers depending on the shear needed for the application