



## DUAL SHAFT MODEL 550 MID-RANGE VISCOSITY PRODUCTS



Model 550 with vacuum and jacketed tank options.

This machine is two mixers in one combining the dispersing action of a high speed shaft and disc impeller with the high shear action of the heavy duty open impeller. The use of the secondary sweep blade moves product off the tank wall and into the vortex for improved mixing and heat transfer.

The dual shaft mixer is typically used for medium range viscosity materials like **hot melts, pigments, inks, putties, fillers, electronic films, adhesives, caulks, fillers, high solid paints and many more.**

### DUAL SHAFT MIXER DESIGNS

A DUAL SHAFT MIXER CAN HANDLE PRODUCTS UP TO 500,000CPS OR MORE. THIS VERSATILE DESIGN ENCOMPASSES A LOW SPEED HELICAL OR SWEEP BLADE AND A HIGH SPEED DISPERSER BLADE. EACH SHAFT HAS ITS OWN MOTOR AND CONTROLS.

- INCREASE CIRCULATION AND GENERATE OPTIMUM TANK TURNOVER
- HELPS OPTIMIZE BATCH TEMPERATURE CONTROL BY GENERATING UNIFORM MOVEMENT IN THE TANK
- CREATES A MORE CONSISTENT PRODUCT WITH IMPROVED DISPERSION
- DECREASES PROCESS TIME
- INCREASES PROFITABILITY



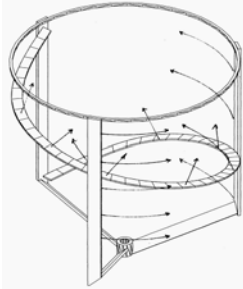
Sweep blades with optional wipers eliminate build-up of unmixed material on bottom and tank walls and help improve heat transfer.

**ALL MYERS MIXERS ARE AVAILABLE IN LABORATORY AND PRODUCTION SIZES**

- ▶ VACUUM AND NON-VACUUM
- ▶ JACKETED OR NON-JACKETED
- ▶ 360° ROTATION
- ▶ PORTABLE TANK
- ▶ STATIONARY TANK
- ▶ MULTIPLE BLADE CONFIGURATIONS AVAILABLE
- ▶ ADJUSTABLE TUB HOLDER
- ▶ THROUGH THE FLOOR

**DUAL SHAFT MIXERS ARE AVAILABLE WITH RAM PRESS DISCHARGE UNITS.**

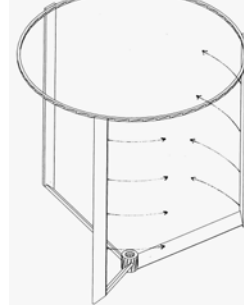
**Helical Auger Flow Pattern**



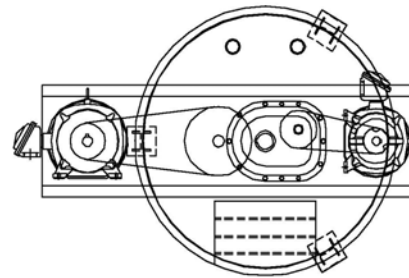
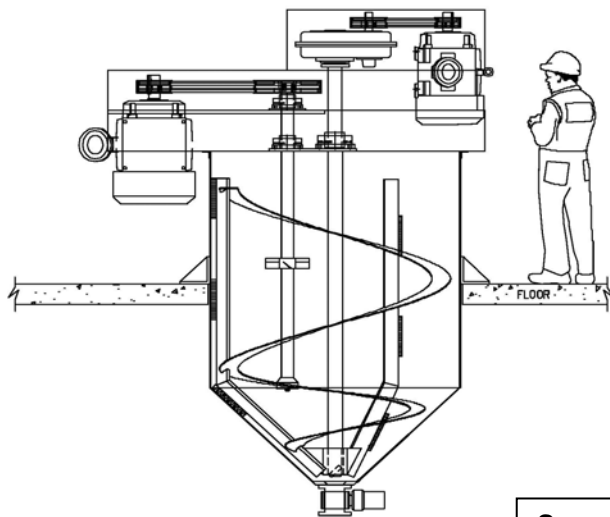
Often used for the incorporation of micro balloons and when vertical tank mixing patterns are crucial.



**Sweep Blade Flow Pattern**



Myers uses a standard three prong design over many competitors who use only two.



**SAMPLE DRAWING MODEL 600/550  
TANK MOUNTED 550**

**THROUGH THE FLOOR DESIGN WITH HELICAL AUGER SWEEP AND  
HIGH SPEED DISPERSER BLADE.**

