

Quick Mixing of Non-Flowing Viscous Mixtures



Ross Double Planetary Mixers and Discharge Systems are ideal for quick processing of non-flowing viscous mixtures. According to the company, characteristics include:

- Turnkey processes utilizing the change-can mixer and discharge platen routinely benefit from shorter cycle times and lower operating costs compared to conventional horizontal sigma blade mixers and kneader extruders.
- Cleaning and changeover procedures are very operator-friendly: a hydraulic lift raises and lowers the agitators in/out of the mix vessel, enabling full access; multiple interchangeable vessels may be used for semi-continuous operation or dedicated to specific formulations to reduce cleaning frequency; and the discharge operation thoroughly wipes down the vessel sidewalls leaving only a thin layer of product on the bottom to be cleaned out manually.
- The 40-gallon Sanitary Double Planetary Mixer with Discharge System (pictured) is equipped with two helical High Viscosity “HV” blades that rotate on their own axes, orbiting the mix vessel on a common axis — a configuration that is suitable for handling viscous batches up to 6 million cP.

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