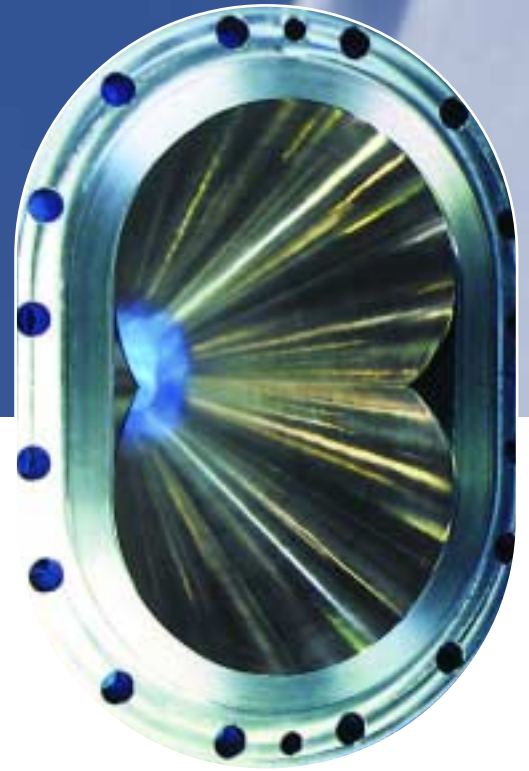


designed to take on any mixing job



CV Mixers produce a *fast homogeneous mix* of materials from low viscosity to viscosities exceeding 12 million Centipoises.

CV Mixers are used in research and manufacturing of: *polymers, silicones, propellants, organic and inorganic fibers, adhesives, sealants, rubber, plastics and pharmaceuticals.*

The mixer can handle a wide range of pressure, temperature and reaction conditions.

Design Integrated Technology will provide a **free mix test**.

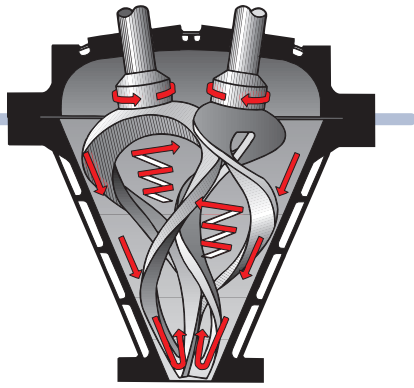
Product Benefits

Fast Mix Time

The CV Mixer is exceptionally efficient, resulting in reduced energy and labor costs. It routinely mixes batches twice as fast as other units on the market, and with top fill and bottom discharge, one person can operate a complete mixing cycle.

Accurate, Repeatable Homogeneous Mixes

A significant advantage of the CV Mixer design is its ability to deliver highly accurate and repeatable homogeneous batches.



Finite Control of Reaction Kinetics

The CV Mixer's unique conical design creates a very high ratio of product contact with the heat transfer surfaces. This allows an even BTU exchange into the complete batch, resulting in a uniform batch temperature and eliminating hot or cold spots. Pressure, temperature, agitation and time can all be independently and accurately controlled. Blades are bi-directional and variable speed. Pressure ranges from full vacuum to high pressure.

Low Shear

The conical bowl design coupled with its unique helical blade design and speed control is ideal for low shear mixing.

Handles Thick, Viscous Materials

The CV Mixer is unusually robust, with beefy gear boxes, blades, and torque ratios. This mixer is designed to handle many different applications, and easily mixes recipes with viscosities ranging up to 12 million or more Centipoise.

Consistent Reaction Changes

The CV Mixers high ratio of product contact to heat transfer surfaces, results in reaction changes that are very consistent throughout the mix. Temperature changes occur uniformly throughout the batch.

Accurate Scale Up

Small laboratory batches mixed in the CV Mixer can be used to accurately predict large batch recipes and mix times.

Fast, One-person Fill and Discharge

One person can quickly fill and discharge the CV Mixer. Because of the blades downward pumping action, there is no expensive secondary discharge station required. When necessary, ingredients or product can be added or withdrawn in a closed environment by one operator.

Phase Changes and Reactions

The CV Mixer is used throughout the industry for phase changes and polymerization reactions.

Personalized, Quick Service

Every DIT Mixer is supported by local easy-to-contact representatives located throughout the United States. With a toll-free line for service and quotations, you are assured of fast answers to any question or concern regarding our mixers.

Customized to Your Application

Our CV Mixers are used in hundreds of applications throughout the world. Whether you have a small laboratory or a large manufacturing operation, our engineering staff will work with you to develop the optimum solution to your mixing needs.

Two Year Warranty

All new DIT Mixers and Blenders carry a two year warranty covering all components, excluding normal wear. When you see our mixer, you'll know why this is possible, they are obviously robust and well-engineered. Before shipment, every mixer is fully assembled and thoroughly tested. DIT quality speaks for itself. But more importantly, we back it up with our two-year warranty.

From experiments in the DIT 2CV lab mixer, one can scale-up recipes and conditions to larger twin screw extruders."

— Cas Anolick PhD
Research Fellow
DuPont Company



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