



**Vacuum dispersion on the
dual shaft variable speed
Myers 550.**

**Used throughout the world for more
than 30 years!**

Ink

1. Vacuum dispersion quickly removes water from press cake so that solvent, resin or glycol can replace it.
2. In offset inks reduced moisture means "bleed" and "mudding" effect is postponed.
3. In ink for ballpoint pens, withdrawal of air is vital.

Urethanes

In moisture cured urethanes the high-speed impeller develops heat. The product is de-moisturized quicker in vacuum.

Plastisols

If plastisols are heated they tend to cure. This is where the Myers dual shaft 550 disperser is especially effective: all materials can be added and thoroughly mixed by use of the large slow speed impeller. Then the high-speed dispersion blade can be turned on for quick dispersion without undue heat being generated.

Coatings

1. When coatings are de-aired they have better gloss and light transmission.
2. On paint tinting products, degassing means more consistency on a weight per volume basis.
3. Deaerating eliminates the shrinkage of finished products after packaging.

Anti-Pollution

1. An added advantage of a vacuum dispersion system is removal of dust and vapors from the work area.
2. Vacuum dispersion reduces contaminants in the product if they can be volatilized.

General

1. Practically all dispersion is greatly improved and takes less time up if done under vacuum. Deaeration and/or de-moisturizing are done at the same time as dispersion.
2. Removing air from dispersing materials means only two elements are left: the pigment and the vehicle. "Wetting" action and dispersion of a pigment or filler agglomerate is accelerated when air is removed. Vacuum dispersion accelerates the "sweating" process and thus improves product stability and consistency.

Adhesives

Caulking compounds, sealants and adhesives are increased in tensile and bond strength and have greater dielectric properties as air and moisture are removed.



Engineering, Inc.

The first name in mixers and dispersers

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Cutting attachment available for dissolving rubber.

Dual shafts in raised position.

The large, slow speed, open impeller starts the product moving and keeps it flowing into the smaller high-speed blades. Even the heaviest materials are quickly dispersed, while the vacuum system removes gases and moisture. Low-speed sweep shown with vertical risers and is also available in a helical design.

Optional: Lift-to-discharge.

The 550 Series is available in a Lift-to-discharge design. Dual hydraulic cylinders can be provided permitting the tank and mixing assembly to be raised for gravity discharge of the product.