



Engineering, Inc.

The first name in mixers and dispersers

DUAL-RANGE DISPERSER...Series 550-SINGLE MOTOR



**VERSATILE
2 MACHINES IN ONE**

**DISPERSES
HEAVIER VISCOSITIES**

**ELIMINATES
CONVENTIONAL MILLING**

**5 HP TO 100 HP MODELS
2 & 3 HP LAB MODELS**

Now a mixer that will disperse pastes far too heavy for single shaft Speed Dispersers in excess of 300,000 centipoises.

The 550 is two machines 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 Dual-Range by being able to work high pigment concentrations gives finer and faster dispersions eliminating conventional milling on many products.

One motor and variable speed drive power both shafts.

The disperser blade is a disc impeller developed and patented by Myers Engineering available in stainless steel or hard chrome. The heavy-duty impeller is a 3 blade open impeller.

This machine is equipped with an adjustable tub holder that holds the tub in position during mixing. Vacuum designs available.

Shaft speeds and impeller sizes are determined by the diameter of the tank and HP of the machine.

Dual-Range Dispersers are available in floor-mounted change can models as illustrated and also in the following configurations:

Thru-the-floor, (up to 4 positions)
Tank Mounted
Lift-to-discharge

Standard Units have air over oil hydraulic lift. Electric hydraulic lifts are available as an option.

Applications for the 550 Series Dual-Range Disperser include:

PAINTS, INKS, PLASTICS, MASTICS, SEALANTS, JOINT CEMENT, CERAMICS, GREASE, COSMETICS AND FOODS.

Dual Motor units are available for special applications or higher HP.

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PERFORMANCE ENGINEERED

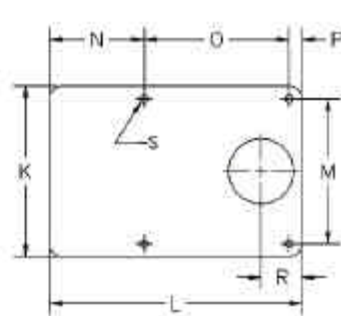
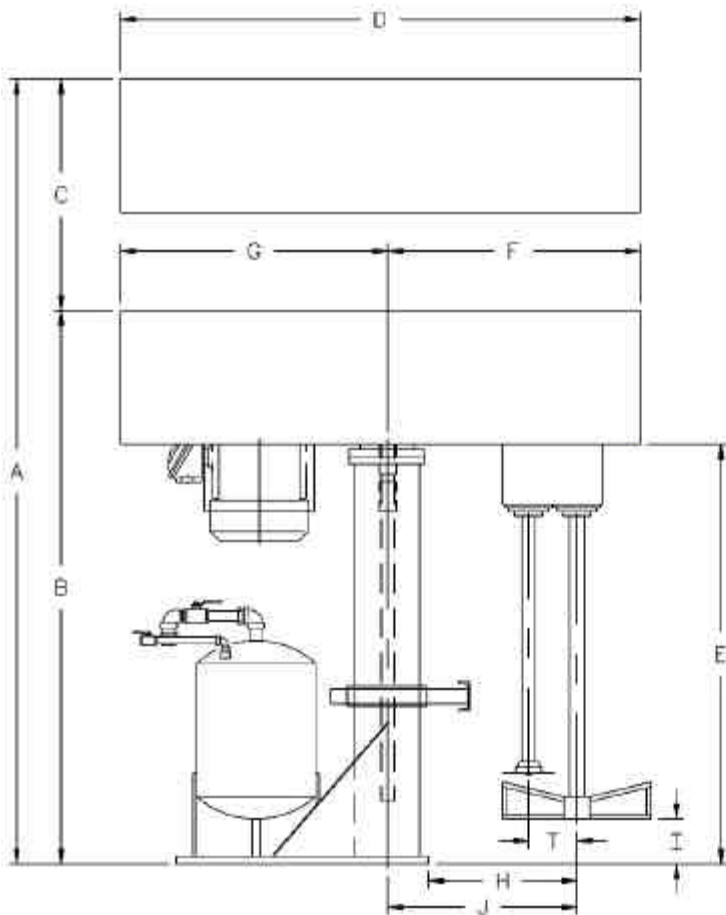
The 550 Dual-Range Disperser is an original patented development by Myers Engineering. Over 55 years of business life is your assurance of complete satisfaction.



Stretch marks show the dispersing action of a Dual Range Disperser



Two shafts baffle the vortex for less air entrapment.



Tip speed of high velocity impeller ranges from 5,000 feet per minute. Tip speed of low velocity impeller varies from approximately 400 to 1,200 feet per minute. Tip speed is velocity of outside edge of impeller. Maximum RPM of shaft varies according to impeller size. Optional speeds can be designed to meet customer's requirements.

LAB MODEL:

2 or 3 HP laboratory or pilot model is now available

Production machines range from 5 to 100 HP, variable speed, with single motor and up to 200 HP variable speed with dual motors.

Explosion-proof motors are standard on all Myers Dispersion Mixers.

Ammeter standard equipment