

MYERS



More Shafts, Different Impellers!

Heavy products require more efficient and more diverse mixers/dispersers. Always the leader, Myers Engineering keeps developing its machines to handle tough jobs. Here is a brief description of the present state and numbering of dual, triple and quadruple-shaft units. In every case, remember that the sweep impeller *usually* has scrapers on the sides and bottom to improve circulation. Often a second standard impeller is installed mid-shaft on a high speed shaft.



550

Original dual shaft mixer/disperser

Slow speed sweep impeller starts mass flowing and moves it into a high speed dispersing blade. For most all high viscosity products.



550/500

For better intermixing of still higher viscosity products a third intermediate mixer is put inside the sweep risers, opposite the high speed shaft. It is usually a gate blade, but other configurations are available.



550/500

To handle the toughest, highest viscosity materials an auger shaft is substituted for the intermediate speed gate blade. It moves heaviest products (2 million cps) up or down in the tank and into the dispersing blade.



550/850

For an extra fine grind four overlapping high speed blades are installed inside the slow speed sweep impeller. They work furiously fast - often eliminating the need for sandmilling. The effective shear is doubled.



550/850/500

For an extra fine grind on high viscosity products a regular third intermediate speed impeller is added. Better intermixing lets the overlapping high speed blades grind finer and faster. This machine has four shafts.



R550

To cut and dissolve rubber, a high speed serrated cutter with rugged angular teeth rotates inside a stator that has large, sharp teeth. Can be used alone, but sweep impeller is needed for high viscosity products.



R550/500

It's used on highest viscosity rubbers. The intermediate blade provides better intermixing and dissolving when used with a sweep impeller and regular rubber rotor/stator. Excellent for very heavy adhesives.



500/500/500

When more thorough mixing, without full dispersion, is needed, two medium speed impellers (inside the slow speed sweep impeller) provide excellent intermixing of the batch. Some dispersion results.



500/500/500

On highest viscosity products that need thorough mixing, but not at dispersion speed, an auger is fixed on one of the intermediate shafts. It really cuts heavy pastes, provides vertical movement and thoroughly circulates the batch.

MYERS Engineering, Inc.

The most complete line of vertical shaft mixers and dispersers

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