



850 SERIES DUAL SHAFT



The Myers Mixers 850 Series dual shaft disperser offers rapid dispersion and particle size reduction, often eliminating the need for prolonged dispersion and milling. Four overlapping blades efficiently mix even coarse and viscous materials quickly. Benefits include:

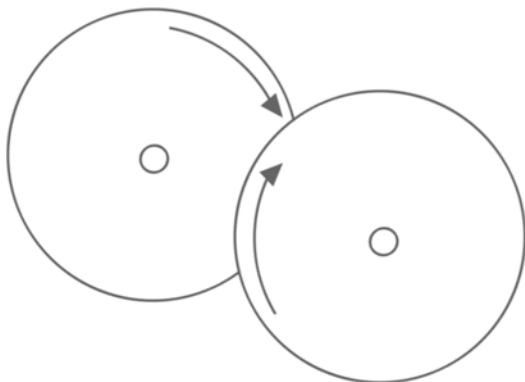
- Faster pigment loading: shafts placed in the open position provide excellent batch circulation, closed shafts reduce agglomerates to primary particle size.
- Less heat buildup: open shafts allow for quick powder loading while rotating at a relatively low speed.
- Better dispersion: four blades quickly disperse materials.
- Reduced air entrainment with overlapping blades baffling the vortex.
- Faster dispersions than single shaft equipment.
- Wider viscosity range than single shaft equipment.



ABOVE: The shaft spacing is adjustable. Having the shafts spread provides the most batch circulation. This is important in pigment loading. Having the shafts closed or overlapping provides the best possible dispersion, while reducing batch circulation; this reduces air entrainment.

Machine features include:

- 2 to 200 HP: large units can have two motors to reduce starting load and expensive starting equipment.
- Laboratory to production sizes
- Air-over-oil or electric lift
- Explosion-proof motors
- Myers signature high-shear dispersion blades
- Adjustable tub holder



LEFT: The overlapping blades are rotating in the same direction. Where the blades overlap, they are moving in opposite directions, effectively doubling the tip speed in this region of extremely high shear.