

## Mixer for High-Viscosity Applications



The newest product design from Ross, the Planetary Dual Disperser, is ideal for powerful mixing of high viscosity applications requiring ultra-fine dispersion quality. According to the company, the PDDM features:

- Four agitators — two planetary stirrers and two high speed shafts — all rotating on their own axes while orbiting the mix vessel on a common axis.
- Two saw-tooth blades on each high speed shaft provide an intensive shearing action, promoting solids dispersion and particle size reduction.
- Planetary stirrers continually turnover batch material, help feed fresh product to the high-speed blades and facilitate uniform temperature throughout the mix zone.
- Optional sidewall and bottom scrapers can also be installed to further ensure superior heat transfer between the vessel jacket and batch material.
- Shear levels and flow patterns are easily fine-tuned because the stirrers and dispersers are independently driven and controlled.
- Solids are quickly incorporated into viscous bulk material and stubborn agglomerates are dispersed regardless of product flow characteristics.

[sales@mixers.com](mailto:sales@mixers.com) [1]

[www.mixers.com](http://www.mixers.com) [2]

## Mixer for High-Viscosity Applications

Published on Chem.Info (<http://www.chem.info>)

---

### Source URL (retrieved on *01/28/2015 - 8:25pm*):

[http://www.chem.info/product-releases/2011/07/mixer-high-viscosity-applications?qt-most\\_popular=0](http://www.chem.info/product-releases/2011/07/mixer-high-viscosity-applications?qt-most_popular=0)

### Links:

[1] <mailto:sales@mixers.com>

[2] <http://www.mixers.com/>