

# Double Planetary Mixers



Model DP-150 Ram Press



Model DP-.05 w/ Glass Hood

Custom Milling and Consulting LLC's line of high quality **Double Planetary Mixers** provide faster mixing cycles and better dispersion when compared to traditional planetary mixers. CMC's robust design allows for the processing of the most stringent, high viscosity materials time and time again.

The CMC Double Planetary Mixer is constructed with a pair of open frame type blades (gate style). Each blade rotates on its own axis while simultaneously orbiting around the mixing vessel. The precisely designed clearance between the blades and between the blade and the mix tank's inner walls provides a strong shearing force, resulting in superior mixing, kneading, and dispersion.

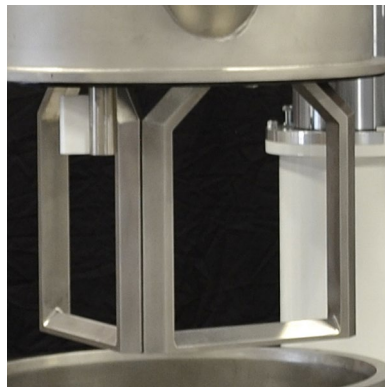
We have mixers in our Customer Pilot Lab available for trial runs. These Double Planetary Mixers are a great compliment to CMC's full line of dispersion equipment.



Custom Milling and Consulting LLC

# Double Planetary features:

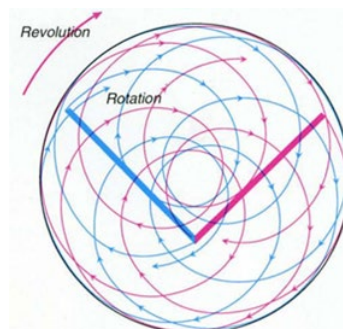
- Versatile, heavy duty design – units easily process materials from 100,000 to several million cps
- Blades rotate on their own axis while circling the mixing tank providing higher shear, resulting in reduced mixing times and greater homogeneity
- Precision machined tanks and blades allow for close tolerances from blade-to-blade and blade-to-tank wall providing for more efficient dispersion and eliminating the need for sidewall scrapers
- All units are vacuum capable allowing for deaeration or dehydration of product
- All wetted parts are stainless steel and highly polished to facilitate cleaning and reduce risk of product contamination



**Straight Blades**



**Twisted Blades**



**Mixing Blades Path in Tank**

Model	Motor (HP)		Tank Mixing Capacity		Machine Dimensions (inches)			
	Main	Hydraulic	Min. (liters)	Max. (liters)	Length	Width	Height	Raised Height
DP-0.5	0.25	Manual Crank	125 mL	500 mL	17.4	11.3	18.2	18.2
DP-1.5	0.25	Manual Crank	175 mL	1.1 L	22.4	12.9	21.6	21.6
DP-5	0.5	Manual Crank	1	3	30.4	25	30.6	30.6
DP-15	1	Manual Crank	3	11	37.1	27.9	37.6	37.6
DP-50	5	1	12	38	53	22	73	89
DP-150	10	2	40	120	83	34	87	111
DP-350	20	5	85	260	86	50	108	136
DP-600	30	7.5	145	420	91	50	114	149
DP-1300	60	10	325	975	115	57	160	204
DP-2300	100	15	575	1,725	141	66	192	242

Specifications included in this chart are for information purposes only and are subject to change.

## Applications:

Thick Film Inks • Potting and Encapsulation Products • Conductive Sealants • Metal, Ceramic and Dental Pastes • Pharmaceuticals Composite Materials