

DOUBLE PLANETARY MIXERS



Model DP-150 Ram Press



Model DP-.05 w/ Glass Hood

Custom Milling and Consulting LLC manufactures customized multi-shaft mixers for a diverse range of industries. CMC's multishaft mixers are able to mix and blend materials greater than 30,000 cps. The center mounted low speed blade sweeps the tank pushing and folding the materials towards the center. As the materials are fed to the center towards the high speed dispersing blade, the particles are distributed throughout the liquid.

Close tolerance between the blade and tank, and our system of Teflon sidewall scrapers, ensure optimal mixing of the materials. Multi-Shaft mixers allow for the blending and mixing to be done while dispersing particles throughout the material at the same time.

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

Applications:

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



Straight Blades



Twisted Blades

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

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

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