

High Shear Mixer Granulator GL-series



The GL series high shear mixer granulator is used in pharmaceutical solid dosage areas for mixing and granulation application as the primary processing equipment for a solid dosage production line. It is PLC controlled, and meets current GMP and pharmaceutical code regulations.

Features:

1. The cylinder & conical material container structure together with a Z shaped mixing impeller, performs the perfect mixing and granulation performance with qualified wet granules.
2. A modular designed platform and on-line wet cone mill option satisfies different process requirements and facility conditions.
3. Pressured spray, manual or other requested binder loading system options satisfy various product & granulation requests.
4. Designed with granulation end-point detection function, this equipment satisfies process reproducibility requests.
5. Designed with a self-vent vacuum loading system for raw material, labor is reduced, and the risk of dust and cross contamination is reduced, thus satisfying current CMP clean production requests.
6. Compound mechanical & air sealing structure avoids any material leakage and cross contamination, which also satisfies current GMP standards.
7. Variable impeller & chopper speed controlled by VFD and setup from HMI satisfies various product mixing & granulation requests.

Technical Parameters:

MODEL	VOLUME	WORKING VOLUME	WORKING VOLUME	MIXING RPM	Chopper Power	CHOPPER	Wet Mill Power	Mill	Machine Overall Dimension	Total weight
	L	L	kw	rpm	kW	RPM	kW	RPM	L*H*D/m	kg
GL10	10	4~8	1.1	10~600	0.75	1000-2800	-	-	1.3X1.5X0.65	300
GL25	25	10~20	2.2	5-420	1.1	1000-2800	0.75	300-1400	1.7X1.5X0.65	400
GM50	50	20~40	5.5	5-300	1.5	1000-2800	0.75	300-1400	1.95X1.7X0.8	800
GM100	100	40~80	11	5-287	.3	1000-2800	0.75	300-1400	2.6X2.8X2.1	950
GM150	150	60~120	15	5-240	.3	1000-2500	1.5	300-1400	2.7X3.1X2.2	1100
GM200	200	80~160	18.5	5-223	4	1000-2500	3.0	300-960	3.1X3.5X2.0	1600
GM300	300	120~240	22	5-200	5.5	1000-2500	3.0	300-960	3.0X3.3X2.3	2500
GM400	400	160~320	30	5-185	5.5	1000-2500	3.0	300-960	2.5X3.3X3.0	2700
GM500	500	200~400	37	3-169	7.5	1000-2500	4.0	300-960	4.0X4.0X1.8	3000
GM600	600	240~480	45	3-162	7.5	1000-2500	4.0	300-960	3.4X4.1X2.8	4100
GM800	800	320~640	55	3-148	11	1000-2000	4.0	300-960	3.3X4.2X3.5	5300
GM1000	1000	400~800	55	3-140	15	1000-1500	5.5	300-960	3.8X4.5X3.2	5700
GM1200	1200	480~960	75	3-133	15	1000-1500	5.5	300-960	3.7X5.3X3.5	6000