

GCPM Hydraulic discharging UHPC concrete planetary mixer

Description

GCPM Hydraulic discharging UHPC concrete planetary mixer can mix all kinds of high-quality and high-performance concrete, and which can reach homogenous mixing at shortest time. It can also be widely used for glass, ceramics, refractories, fertilizer and concrete, etc.



Counter-current Gearing System

The rotate direction of mixing stars is reversed with revolution direction, and each mixing star's direction is also different. The circulation movement and convective movement make the material severely mixing and achieve the uniform distribution.

Convection Mixing Device

- ★ High mixing efficiency, low energy consumption.
- ★ Compared with traditional planetary mixer, the mixing time of GCPM could be reduce 15~20%.
- ★ The no-load current and load current with same material can be 15~20% lower.



The counter-current gearing system has higher transmission efficiency, excellent mixing result and longer service life



The counter-current mixing device makes the complex mixing locus and high efficient result. The reasonable load distribution of gearing system gives fast and thorough discharging



Hydraulic unit equipped with manual pump allows the door be opened in case of electric failure.



Cr-hard alloy cast iron liner and mixing blade.



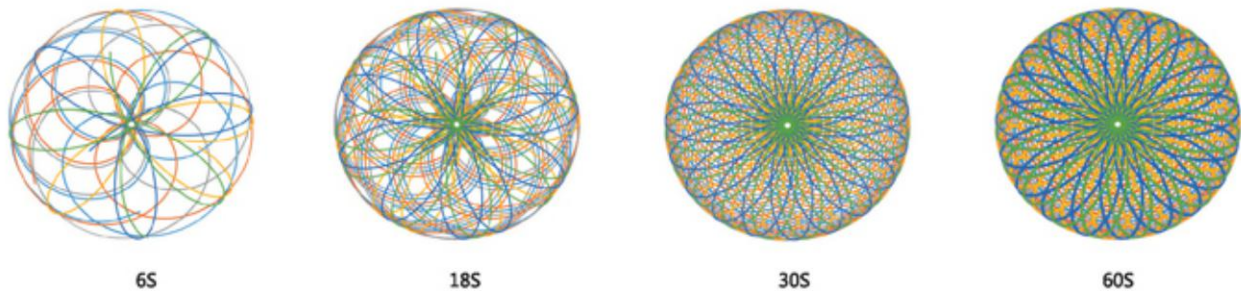
GCPM Hydraulic discharging UHPC concrete planetary mixer technical parameter

Item	GCPM50	GCPM100	GCPM150	GCPM250	GCPM330	GCPM500	GCPM750	GCPM1000	GCPM1250
Feeding Volume (L)	75	150	225	375	500	750	1125	1500	1875
Feeding Capacity (Kg)	120	240	360	600	790	1200	1800	2400	3000
Output Volume (L)	50	100	150	250	330	500	750	1000	1250
Mixing Power (Kw)	3	5.5	7.5	11	15	18.5	30	37	45
Mixing Star*Blade	1*2	1*2	1*2	1*2	1*2	1*3	1*3	2*3	2*3
Side Scraper	1	1	1	1	1	1	1	1	1
Discharge Scraper	-	-	1	1	1	1	1	1	1
Discharging Power (KW)	Pneumatic Discharging			2.2	2.23	2.2	3	3	3
Weight (Kg)	750	1000	1300	1500	2000	2400	3900	5500	6000

Item	GCPM1500	GCPM2000	GCPM2500	GCPM3000
Feeding Volume (L)	2250	3000	3750	4500
Feeding Capacity (Kg)	3600	4800	6000	7250
Output Volume (L)	1500	2000	2500	3000
Mixing Power (Kw)	55	75	90	110
Mixing Star*Blade	2*3	3*3	3*3	3*3
Side Scraper	1	1	1	1
Discharge Scraper	1	2	2	2
Discharging Power (Kw)	3	4	4	4
Weight (Kg)	6500	9200	11000	12000

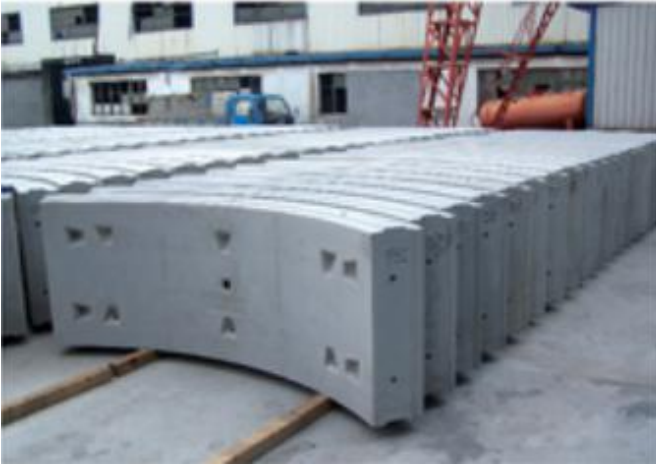
Mixing Locus Diagrams

The diagram show the prefect mixing action of the counter-current planetary mixer from 6 to 60 seconds after materials added. Note that the floor is completely swept by the mixing star's action every 4 revolutions (6 seconds) and that each zone is covered at regular interval in time.



Application

Concrete	Other Construction Material	Refractory Materials	Others
Ready-mixed Concrete	Dry Mortar	Shaped refractory	Glass
Precast Concrete	Wet Mortar	Unshaped refractory	Fertilizer
Foam Concrete	Gypsum		Water treatment
Color Concrete	Aggregate Mixing		Mine backfill
Light Concrete	Emulsified asphalt		
Shotcrete	Cement adhesive		



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