

GCPM Counter Current Planetary Mixer

Description

GCPM counter-current 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.



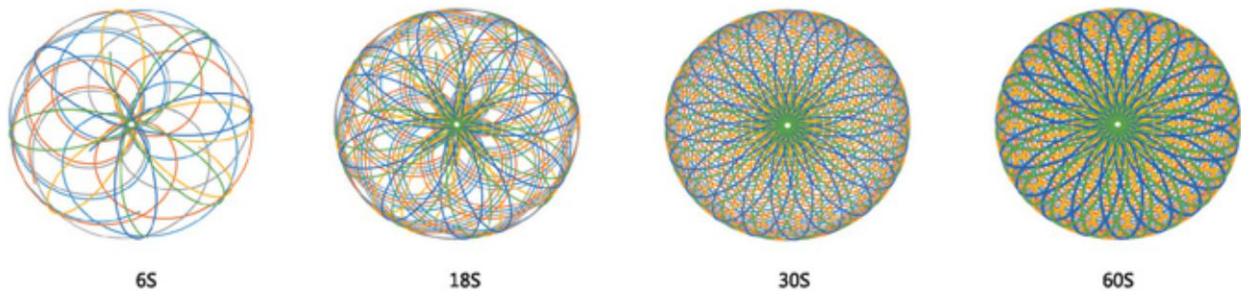
Counter Current Planetary Mixer Technical Parameter

| 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 | | |



Gaode Equipment Co., Ltd.

No.9, Building 14, Yard No.4, Fengqing Road, Jinshui District, Zhengzhou, Henan China

P. C: 450053

Tel: +86-371-55951660

Email: info@gaodetec.com

Website: www.gaodetec.com