

PRODUCT INTRODUCTION

STAR PRODUCTS



MAO Standard Series Twin Shaft Compulsory Concrete Mixer



MPC Planetary Mixer



MKO Mining Tailings Backfill Twin Shaft Mixer



MEO Compact Series Twin Shaft Compulsory Concrete Mixer



MSO Mini Series Twin Shaft Compulsory Concrete Mixer



MRCHigh Grade Concrete Twin Shaft Mixer



MAO-Z Oscillatingtwin-shaft Concrete Mixer



UHPC High Performance Concrete Mixer



Od Fiber Dispersion Dosing Machine



MLO Lightweight Aggregate Concrete Mixer



MLO-DS-T Single Shaft Double Speed Mixer



MAS Soil Stabilization Mixer



HCM Artificial Stone Vertical Shaft Mixer



TMR Vertical Shaft Turbine Mixer



MSD Twin Shaft Dry Mortar Mixer



FAM Dry Powder Mixer



MFO Fly Ash Consolidation Mixer



MHW Hazardous Waste Treatment Mixer



AM Asphalt Mixer



AM-Z Vibration Asphalt Mixer



GSM High Speed Mixing Mixer



Non-Vacuum Operation Vacuum Extraction
MMO Twin Shaft Vacuum Mixer



MLK Roller Compaction Mixing Machine



MTO-V Carbon Fixation Test Mixer



MTO Twin Shaft Lab Test Mixer



MPT Vertical Shaft Planetary Lab Mixer

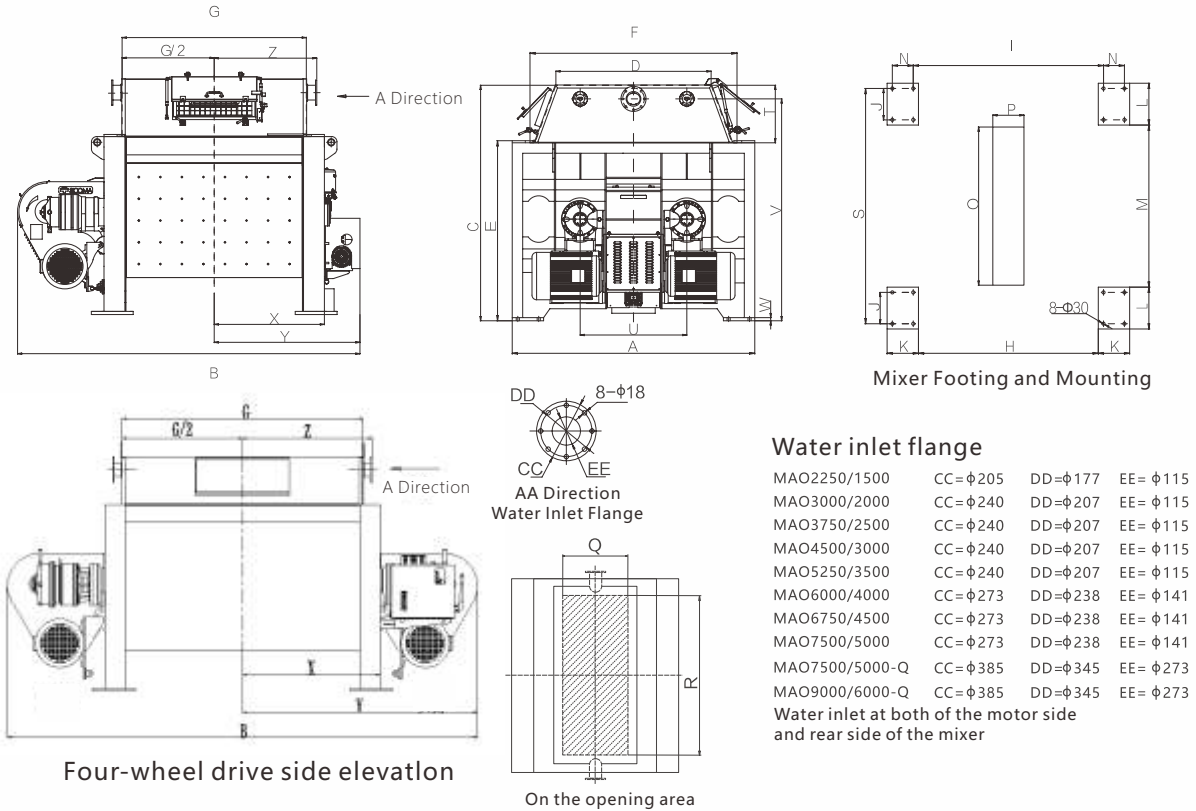
MAO Standard Series Twin Shaft Compulsory Concrete Mixer

MAO 1500/2000/2500/3000/3500/4000/
4500/5000/6000



Features:

- ★ Shaft ends multi seal protection and air purge seal protection to prevent leakage effectively.
- ★ Unique mixer monitoring system to monitor working conditions of gearbox, discharge door pump, and electronic lubrication pump.
- ★ Multi-pipe water spraying system to ensure even water distribution and increase spray service area.
- ★ Equipped with DC 24V grease pump system for centralized lubrication system of the mixer, self-programmed running time, water-proof, dust-proof, super performance.
- ★ Reinforced gearbox processed with military materials by high-precision technology, high load capacity and longer service life.
- ★ High-quality and resistant alloy arm, the service life is 3-5 times more than normally arm
- ★ Optional filtering cooling system, grease-free and water-cooling shaft end sealing system, camera system, high pressure washing system, weighing system and microwave moisture monitoring system.
- ★ Optional capacity ranged from 1.5~6.0m³.



MODEL	Dry Filling Capacity (L)	Compacted Yield (L)	Mixing Blades (PCS)	Mixing Motor & Power (KW)	Weight At Empty (T)
MAO2250/1500	2250	1500	12	2×30	6.5
MAO3000/2000	3000	2000	14	2×37	7.5
MAO3750/2500	3750	2500	16	2×45	8.4
MAO4500/3000	4500	3000	16	2×55	9.2
MAO5250/3500	5250	3500	18	2×55	9.7
MAO6000/4000	6000	4000	20	2×75	12
MAO6750/4500	6750	4500	22	2×75	12.5
MAO7500/5000	7500	5000	20	2×90	15
MAO7500/5000-Q	7500	5000	20	4×45	16.2
MAO9000/6000-Q	9000	6000	24	4×55	18

MODEL	A	B	C	D	E	F	G	H	I	J	K	L	M
MAO2250/1500	2320	2740	2122	1350	1617	1980	1346	1720	1820	-	300	400	1122
MAO3000/2000	2320	3275	2252	1485	1722	1980	1758	1720	1820	-	300	400	1550
MAO3750/2500	2320	3481	2252	1485	1722	1980	1962	1720	1820	-	300	400	1756
MAO4500/3000	2600	3822	2270	1773	1740	2260	2170	1720	1820	300	440	400	1920
MAO5250/3500	2600	4022	2270	1773	1740	2260	2374	1720	1820	300	440	400	2120
MAO6000/4000	2600	4372	2225	1653	1740	2260	2624	1720	1820	300	440	400	2370
MAO6750/4500	2600	4572	2225	1653	1740	2260	2824	1720	1820	300	440	400	2570
MAO7500/5000	3100	4399	2485	2119	2000	2730	2560	2100	2200	350	500	450	2284
MAO7500/5000-Q	3100	4994	2485	2119	2000	2730	2560	2100	2200	350	500	450	2282
MAO9000/6000-Q	3100	5395	2530	2243	2000	2730	2970	2100	2200	350	500	450	2694
MODEL	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
MAO2250/1500	200	1056	270	775	979	1822	525	1020	2002	25	796	1136	773
MAO3000/2000	200	1088	270	775	1355	2250	550	1020	2122	30	1054	1394	979
MAO3750/2500	200	1294	270	775	1555	2456	550	1020	2122	30	1157	1497	1081
MAO4500/3000	200	1500	270	905	1771	2620	550	1150	2140	30	1262	1652	1185
MAO5250/3500	200	1700	270	905	1975	2820	550	1150	2140	30	1362	1752	1287
MAO6000/4000	200	1950	270	880	2153	3070	505	1150	2095	30	1485	1875	1412
MAO6750/4500	200	2142	270	880	2353	3270	505	1150	2095	30	1585	1975	1512
MAO7500/5000	250	1950	300	1157	2228	3084	505	1350	2355	30	1464	1859	1380
MAO7500/5000-Q	250	1948	300	1157	2228	3082	505	1350	2355	30	1464	-	1380
MAO9000/6000-Q	250	2360	300	1157	2508	3494	550	1350	2400	30	1669	-	1585

The base plates of the 1.5m³ and 2m³ mode is have only 8 holes; the 5m³ two-wheel drive model is lightweight, the four-wheel drive is heavy-duty; “-Q” denotes four-wheel drive.

MAW Dam Work Series Twin Shaft Compulsory Concrete Mixer

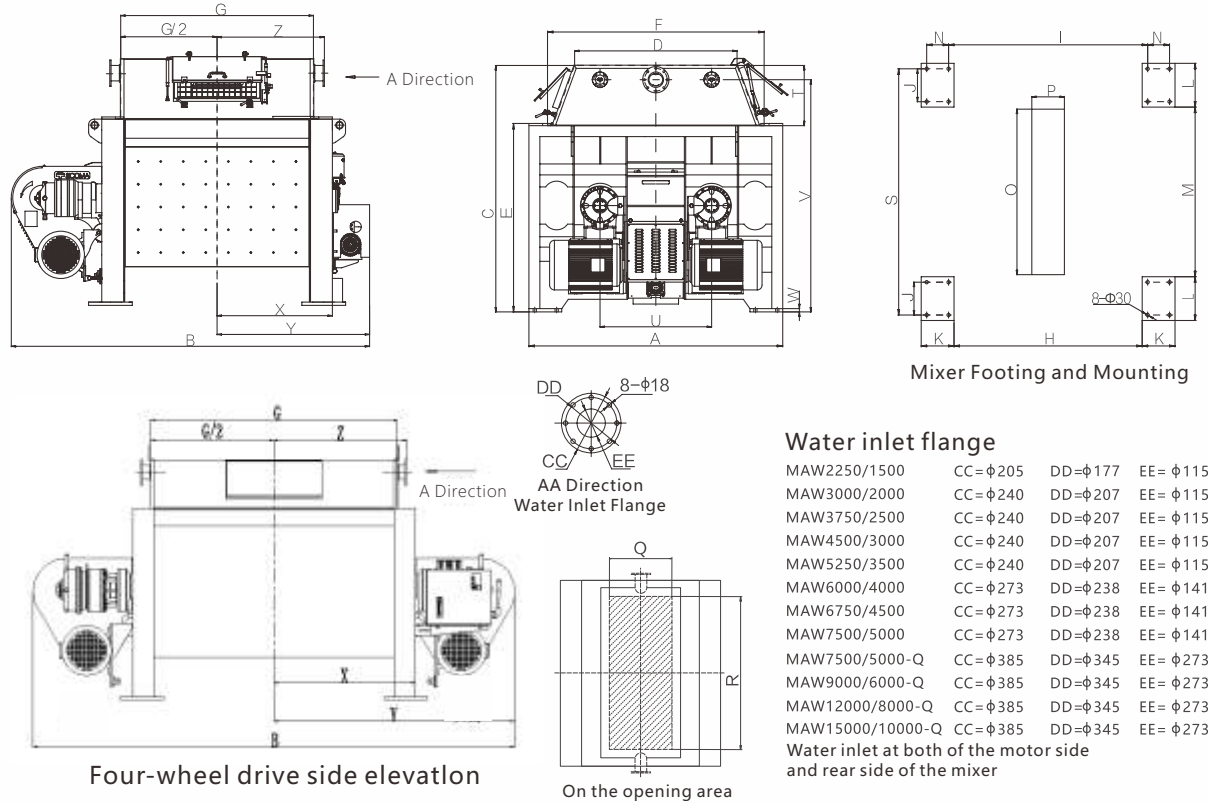
MAW 1500/2000/2500/3000/3500/4000/4500/
5000/6000/8000/10000



Features:

- ★ Meet the needs for large capacity production in dam work.
- ★ Suitable for different aggregates size with maximum size 180mm
- ★ Equipped with wearable linings of 20mm thickness and high strength blades , Hardness 60HRC
- ★ Unique monitoring system to monitor the mixer condition. Special automatic multi pumps lubrication system.
- ★ Multi pipes water spraying system to ensure even water distribution.
- ★ Optional weighing system and microwave moisture monitoring system.
- ★ Capacity ranged from 1.5~10.0m³.

▲ 10m³MAW Dam Work Series Twin Shaft Compulsory Concrete Mixer



MODEL	Dry Filling Capacity (L)	Compacted Yield (L)	Mixing Blades (PCS)	Mixing Motor & Power (KW)	Weight At Empty (T)
MAW2250/1500	2250	1500	12	2×30	6.7
MAW3000/2000	3000	2000	16	2×37	7.7
MAW3750/2500	3750	2500	18	2×45	8.6
MAW4500/3000	4500	3000	18	2×55	9.4
MAW5250/3500	5250	3500	20	2×55	10
MAW6000/4000	6000	4000	22	2×75	12.2
MAW6750/4500	6750	4500	24	2×75	12.7
MAW7500/5000	7500	5000	20	2×90	15.3
MAW7500/5000-Q	7500	5000	20	4×45	16.5
MAW9000/6000-Q	9000	6000	24	4×55	18.3
MAW12000/8000-Q	12000	8000	30	4×75	27.2
MAW15000/10000-Q	15000	10000	36	4×90	33.5

MODEL	A	B	C	D	E	F	G	H	I	J	K	L	M
MAW2250/1500	2320	2740	2122	1350	1617	1980	1346	1720	1820	-	300	400	1122
MAW3000/2000	2320	3275	2252	1485	1722	1980	1758	1720	1820	-	300	400	1550
MAW3750/2500	2320	3481	2252	1485	1722	1980	1962	1720	1820	-	300	400	1756
MAW4500/3000	2600	3822	2270	1773	1740	2260	2170	1720	1820	300	440	400	1920
MAW5250/3500	2600	4022	2270	1773	1740	2260	2374	1720	1820	300	440	400	2120
MAW6000/4000	2600	4372	2225	1653	1740	2260	2624	1720	1820	300	440	400	2370
MAW6750/4500	2600	4572	2225	1653	1740	2260	2824	1720	1820	300	440	400	2570
MAW7500/5000	3100	4399	2485	2119	2000	2730	2560	2100	2200	350	500	450	2284
MAW7500/5000-Q	3100	4994	2485	2119	2000	2730	2560	2100	2200	350	500	450	2282
MAW9000/6000-Q	3100	5395	2530	2243	2000	2730	2970	2100	2200	350	500	450	2694
MAW12000/8000-Q	3100	6921	2680	2134	2000	2730	3796	2100	2200	350	500	450	3520
MAW15000/10000-Q	3100	7745	2680	2134	2000	2660	4620	2100	2200	350	500	450	4344
MODEL	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
MAW2250/1500	200	1056	270	775	775	1822	525	1020	2002	25	796	1136	773
MAW3000/2000	200	1088	270	775	1355	2250	550	1020	2122	30	1054	1394	979
MAW3750/2500	200	1294	270	775	1555	2456	550	1020	2122	30	1157	1497	1081
MAW4500/3000	200	1500	270	905	1771	2620	550	1150	2140	30	1262	1652	1185
MAW5250/3500	200	1700	270	905	1975	2820	550	1150	2140	30	1362	1752	1287
MAW6000/4000	200	1950	270	880	2153	3070	505	1150	2095	30	1485	1875	1412
MAW6750/4500	200	2142	270	880	2353	3270	505	1150	2095	30	1585	1975	1512
MAW7500/5000	250	1950	300	1157	2228	3084	505	1350	2355	30	1464	1859	1380
MAW7500/5000-Q	250	1948	300	1157	2228	3082	505	1350	2355	30	1464	-	1380
MAW9000/6000-Q	250	2360	300	1157	2508	3494	550	1350	2400	30	1669	-	1585
MAW12000/8000-Q	250	1200	300	1131	3232	4320	700	1350	2470	30	2082	3465	1998
MAW15000/10000-Q	250	1612	300	1131	4056	5144	700	1350	2470	30	2494	-	2410

The base plates of the 1.5m³ and 2m³ mode is have only 8 holes; the 5m³ two-wheel drive model is lightweight, the four-wheel drive is heavy-duty; "-Q" denotes four-wheel drive.

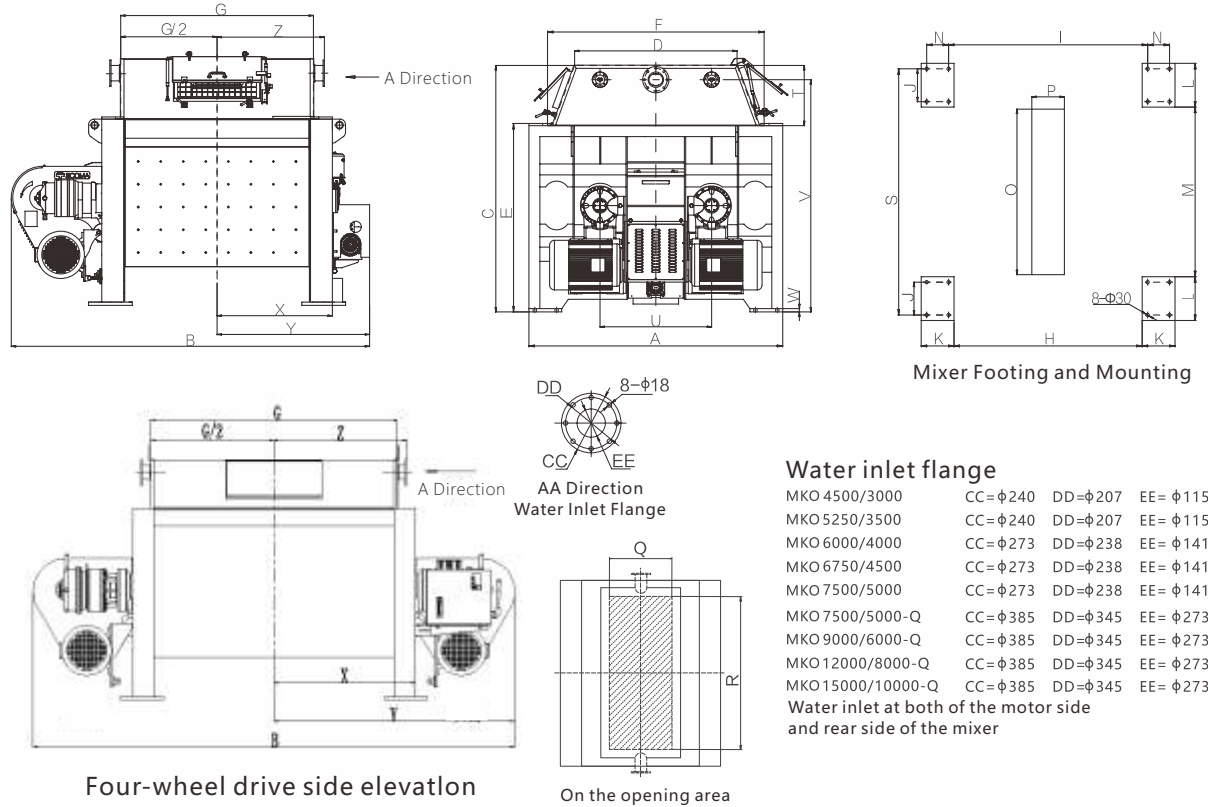
MKO Mining Tailings Backfill Twin Shaft Mixer

MKO 3000/3500/4000/4500/5000
6000/8000/10000



Features:

- ★ Equipped with multiple shaft end sealing devices and air purge seals systems to prevent slurry from leaking.
- ★ A unique mixer monitoring system allows real-time monitoring of the gearbox, discharge pump, and automatic grease pump's operational status.
- ★ Top cover is equipped with a pressurized water spray drainage System, providing a larger spraying area and more uniform drainage.
- ★ Equipped with a DC24V centralized automatic grease pump specifically designed for concrete mixers. It can be programmed to run at set times and is waterproof , dustproof and provides outstanding performance.
- ★ Uses a high-quality gearbox made from military-grade materials and processed with high-precision techniques, allowing it to handle heavy loads and last longer.
- ★ Equipped with premium, highly wear-resistant alloy mixing arms, offering a lifespan that is 3-5 times longer than regular mixing arms.
- ★ Optional upgrades available, including: gearbox filtration and cooling system, Oil-free and water-cooled shaft seals, Video camera system, High-pressure cleaning system, Weighing protection system, Microwave moisture measurement system.
- ★ Applicable in the mining industry.
- ★ Available in sizes from 3.0~10.0m³.



MODEL	Dry Filling Capacity (L)	Compacted Yield (L)	Mixing Blades (PCS)	Mixing Motor & Power (KW)	Weight At Empty (T)
MKO 4500/3000	4500	3000	18	2×55	9.4
MKO 5250/3500	5250	3500	20	2×55	10
MKO 6000/4000	6000	4000	22	2×75	12.2
MKO 6750/4500	6750	4500	24	2×75	12.7
MKO 7500/5000	7500	5000	20	2×90	15.3
MKO 7500/5000-Q	7500	5000	20	4×45	16.5
MKO 9000/6000-Q	9000	6000	24	4×55	18.3
MKO 12000/8000-Q	12000	8000	30	4×75	27.2
MKO 15000/10000-Q	15000	10000	36	4×90	33.5

MODEL	A	B	C	D	E	F	G	H	I	J	K	L	M
MKO 4500/3000	2600	3822	2270	1773	1740	2260	2170	1720	1820	300	440	400	1920
MKO 5250/3500	2600	4022	2270	1773	1740	2260	2374	1720	1820	300	440	400	2120
MKO 6000/4000	2600	4372	2225	1653	1740	2260	2624	1720	1820	300	440	400	2370
MKO 6750/4500	2600	4572	2225	1653	1740	2260	2824	1720	1820	300	440	400	2570
MKO 7500/5000	3100	4399	2485	2119	2000	2730	2560	2100	2200	350	500	450	2284
MKO 7500/5000-Q	3100	4994	2485	2119	2000	2730	2560	2100	2200	350	500	450	2282
MKO 9000/6000-Q	3100	5395	2530	2243	2000	2730	2970	2100	2200	350	500	450	2694
MKO 12000/8000-Q	3100	6921	2680	2134	2000	2730	3796	2100	2200	350	500	450	3520
MKO 15000/10000-Q	3100	7745	2680	2134	2000	2660	4620	2100	2200	350	500	450	4344

MODEL	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
MKO 4500/3000	200	1500	270	905	1771	2620	550	1150	2140	30	1262	1652	1185
MKO 5250/3500	200	1700	270	905	1975	2820	550	1150	2140	30	1362	1752	1287
MKO 6000/4000	200	1950	270	880	2153	3070	505	1150	2095	30	1485	1875	1412
MKO 6750/4500	200	2142	270	880	2353	3270	505	1150	2095	30	1585	1975	1512
MKO 7500/5000	250	1950	300	1157	2228	3084	505	1350	2355	30	1464	1859	1380
MKO 7500/5000-Q	250	1948	300	1157	2228	3082	505	1350	2355	30	1464	-	1380
MKO 9000/6000-Q	250	2360	300	1157	2508	3494	550	1350	2400	30	1669	-	1585
MKO 12000/8000-Q	250	1200	300	1131	3232	4320	700	1350	2470	30	2082	3465	1998
MKO 15000/10000-Q	250	1612	300	1131	4056	5144	700	1350	2470	30	2494	-	2410

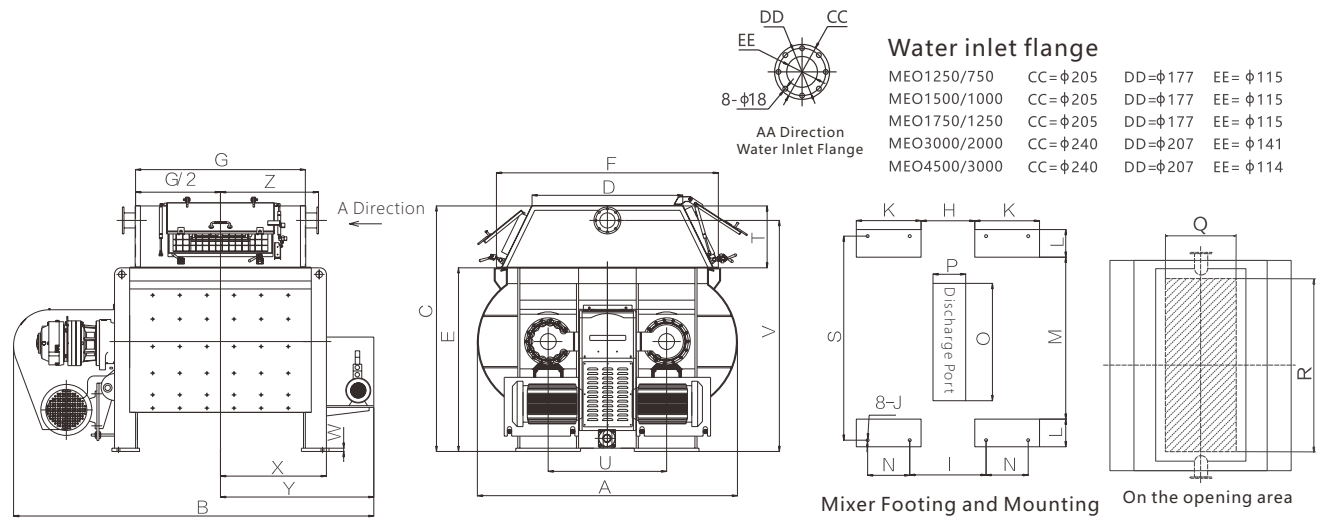
The 5m³ two-wheel drive model is lightweight, the four-wheel drive is heavy-duty; "-Q" denotes four-wheel drive.

MEO Compact Series Twin Shaft Compulsory Concrete Mixer

MEO 750/1000/1250/2000/3000

Features:

- ★ Equipped with multi stages shaft seals.
- ★ Equipped with DC24v centralized lubrication pump dedicated to concrete mixer.
- ★ Excellent overload protection, low noise, stable operation
- ★ Easy maintenance, Excellent value for money.
- ★ Optional capacity 0.75m³ /1.0m³/1.25m³/ 2.0m³/3.0m³
- ★ Suitable for bathing plant.



MODEL	0.75 m³	1.0 m³	1.25 m³	2.0 m³	3.0 m³	MODEL	A	B	C	D	E	F	G	H	I	J	K	L	M
Dry Filling Capacity (L)	1250	1500	1750	3000	4500	MEO1250/750	1976	2737	1865	1112	1395	1686	1286	408	580	φ22	492	210	1230
Compacted Yield (L)	750	1000	1250	2000	3000	MEO1500/1000	1976	2737	1865	1112	1395	1686	1286	408	580	φ22	492	210	1230
Mixing Blades (PCS)	10	10	12	14	16	MEO1750/1250	1976	2943	1865	1112	1395	1686	1492	408	580	φ22	492	210	1436
Mixing Motor & Power (KW)	2×18.5	2×22	2×22	2×37	2×55	MEO3000/2000	2306	3265	2140	1388	1615	2020	1718	485	670	φ30	535	271	1668
Weight At Empty (T)	4.3	4.4	4.7	6.9	8.5	MEO4500/3000	2570	3746	2270	1773	1720	2260	2170	610	800	φ30	540	300	2040
						MODEL	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
						MEO1250/750	320	1025	220	811	1062	1550	470	900	1755	25	805	1165	743
						MEO1500/1000	320	1025	220	811	1062	1550	470	900	1755	25	805	1165	743
						MEO1750/1250	320	1231	220	811	1268	1760	470	900	1755	25	908	1268	846
						MEO3000/2000	350	1088	270	906	1440	2110	525	1020	2010	30	1050	1390	959
						MEO4500/3000	350	1500	270	1050	1900	2540	550	1150	2140	30	1256	1596	1185

MSO Mini Series Twin Shaft Compulsory Concrete Mixer

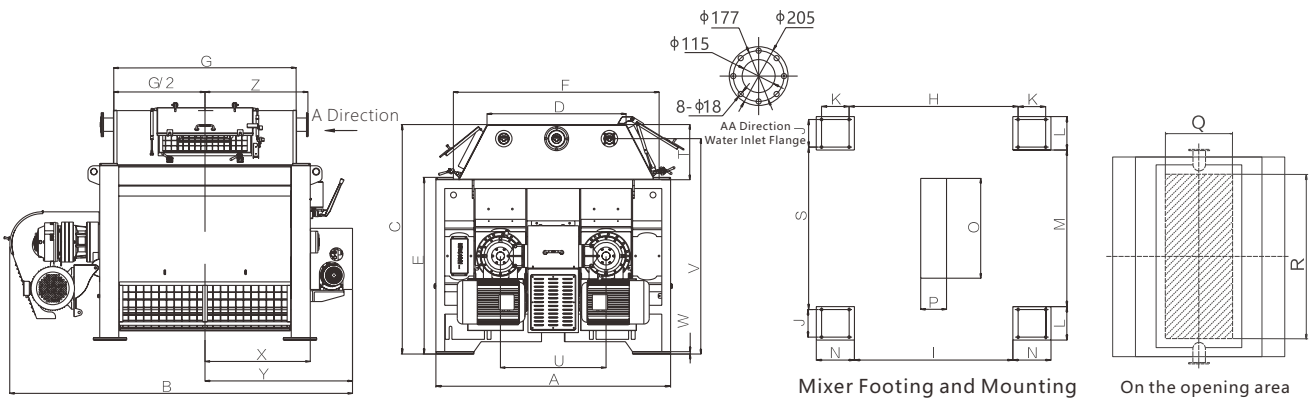
MSO 500/1000/1500

Features:

- ★ Equipped with multi stages shaft seals.
- ★ Multi pipes water spraying system to ensure even water distribution.
- ★ Equipped with DC24V automatic centralized lubrication pump dedicated to concrete mixer.
- ★ Optional weighting system.
- ★ Optional capacity range 0.5m³ /1.0m³ /1.5m³



▲ MSO 750/500



MODEL	0.5m³	1.0m³	1.5m³	MODEL	A	B	C	D	E	F	G	H	I	J	K	L	M
Dry Filling Capacity (L)	750	1500	2250	MSO750/500	1760	2576	1870	1110	1420	1510	1300	1200	1110	235	235	285	1145
Compacted Yield (L)	500	1000	1500	MSO1500/1000	2000	2921	1955	1176	1505	1750	1554	1440	1350	235	235	285	1334
Mixing Blades (PCS)	14	12	14	MSO2250/1500	2000	3147	1955	1176	1505	1750	1780	1440	1350	235	235	285	1560
Mixing Motor & Power (KW)	2×11	2×22	2×30	MODEL	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
Weight At Empty (T)	3.6	5.05	5.62	MSO750/500	325	1070	260	580	1000	1195	470	800	1744	20	795	1100	750
				MSO1500/1000	325	854	220	811	1332	1384	470	900	1835	20	897	1257	877
				MSO2250/1500	325	1080	220	811	1558	1610	470	900	1835	20	1010	1370	990

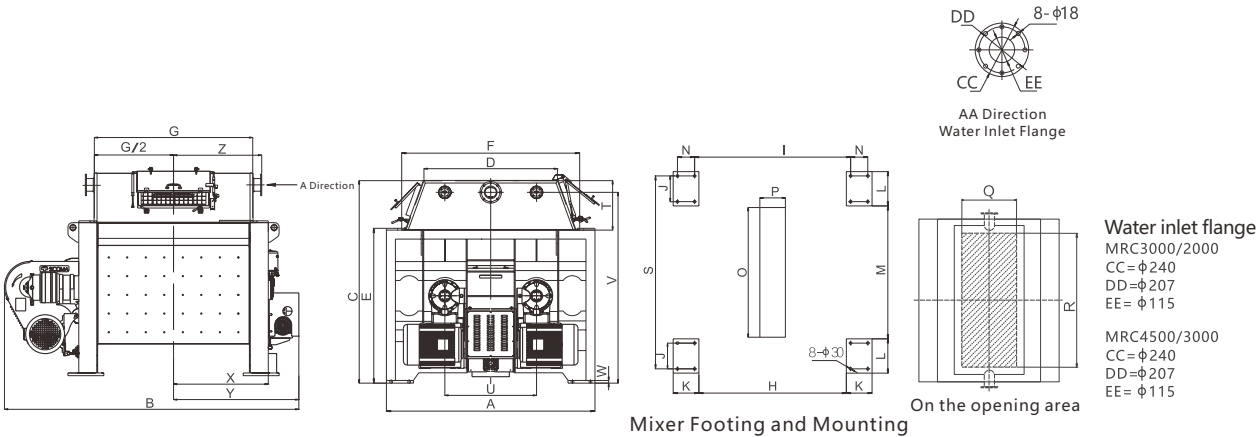
MRC High Grade Concrete Twin Shaft Mixer

MRC 2000/3000



Features:

- ★ Suitable for high-performance concrete mixing such as roller compacted concrete, pipe pile concrete, and high-grade concrete (above C40).
- ★ High power electrical motor can satisfy high-grade and high-performance concrete mixing.
- ★ Large capacity of mixing tank ensures sufficient volume of concrete mixing;
- ★ Enhanced gearbox, which is robust load capacity, high safety factor, stable operation and long service life;
- ★ Equipped with DC24V centralized grease pump dedicated to concrete mixer to provide self-programmed operating time, waterproof, dustproof and super performance.



MODEL	Dry Filling Capacity (L)	Compacted Yield (L)	Mixing Blades (PCS)	Mixing Motor & Power (KW)	Weight At Empty (T)
MRC3000/2000	3000	2000	18	2×55	8.8
MRC4500/3000	4500	3000	20	2×75	10.3

MODEL	A	B	C	D	E	F	G	H	I	J	K	L	M
MRC3000/2000	2320	3581	2252	1485	1722	1980	1962	1720	1820	—	300	400	1756
MRC4500/3000	2600	4127	2270	1773	1740	2260	2374	1720	1820	300	440	400	2120
MODEL	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
MRC3000/2000	200	1294	270	775	1555	2456	550	1020	2122	30	1157	1497	1081
MRC4500/3000	200	1780	270	908	1964	2820	550	1150	2140	30	1360	1755	1287

MAO-Z Oscillating Twin-shaft Concrete Mixer



Features:

- ★ High Mixing Efficiency,Achieves uniform mixing in just 15 to 20 seconds.
- ★ Reduced Consumption of cementitious Materials: The layer of cementitious materials on the aggregate surfaces is thin and uniform, leading to less cement usage.
- ★ Energy Savings: Oscillation reduces friction between mixed materials, significantly lowering mixing resistance and reducing motor load.

Effects of Oscillation on Concrete:

- ★ Increases compressive strength and elastic modulus.
- ★ Enhances resistance to sulfate corrosion.
- ★ Improves hydration and the arrangement of microscopic molecules.
- ★ Improves hydration degree and the microscopic molecules configuration.

Advantages of the Oscillator:

- ★ Oscillation is waveform-based, while vibration is linear. The waveform can balance and superimpose forces, resulting in lower power usage without diminishing oscillation effects, and it has a minimal impact on peripheral equipment. In contrast, linear vibration requires more power and has a greater impact on surrounding components.
- ★ The natural vibration frequency of concrete is close to the oscillation frequency of the oscillating mixer, making it easier to break up clumps and ensure thorough hydration or diffusion of cementitious materials, thereby enhancing product strength and production efficiency. The oscillation also reduces friction in concrete movement, decreasing mixing resistance and effectively lowering the energy consumption of the mixer.
- ★ Experiments have shown that low-power, low-frequency oscillation applied to the mixer does not damage the equipment or surrounding facilities while enhancing the mixing function.

Oscillation Parameters	
Mixing motor&power (KW)	3KW (Optional Frequency Conversion)
Oscillation Frequency (Hz)	24.7(Hz)
Amplitude (mm)	4~6(mm)
Noise Level (dB)	≤90(dB)

UHPC High Performance Concrete Mixer

UHPC 800/5000/8000/10000



Features:

- ★ Equipped with industrial gearbox with strong outputtorque can effectively resolve UHPC material resistance increase after fluidization to ensure stable mixing process.
- ★ The unique design of machine can gently and evenly mix material with its unique reversible spiral mixing system.
- ★ The hydraulic coupling transmits the torque through the variation of liquid moment of momentum.
- ★ It has the functions of flexibility, buffering and overload protection for the power source;
- ★ The unique structure design with piston-type arc barrel discharge door is able to guide high fluidity UHPC materials regularly discharged and avoided splashing;
- ★ It is suitable for mixing ultra-tough concrete dry materials with water.
- ★ The mixing method of this mixer is a perfect mixing solution for UHPC.

MODEL	Capacity	Mixing Motor &power (KW)	Dimensions (mm)	Mixing Shaft Speed (RPM)	Weight At Empty (T)	Output (m³)
UHPC800	800	45x1	3272x1100x1963	25	4.5	16
UHPC5000	5000	90x2	4951x2350x3200	25	22	100
UHPC8000	8000	110x2	6209x2753x3520	25	24.5	160
UHPC10000	10000	315x1	8254x2950x3210	25	30.5	240

Od Fiber Dispersion Dosing Machine

Od 500/1000/2000/3000



Features:

- ★ Utilized advanced, unique dispersion technology to ensure that clumped fibers are evenly dispersed into raw materials before concrete mixing, reducing mixing time.
- ★ Equipped with precise weighing sensors for accurate measurement, allowing for large-capacity storage and small-batch dosing.
- ★ High production efficiency and automated control system, facilitating smoothing integration with batching plant equipment to form an automated production line, enhancing mixing efficiency and concrete product quality.

MODEL	Capacity	Pusher Motor Power (KW)	Dispersing Motor Power (KW)	Discharge Volume (kg/min)	Weight At Empty (T)
Od500	0.5	0.75	0.5	5-20	1.2
Od1000	1	0.75	0.5	10-50	1.5
Od2000	2	1.1	0.75	20-50	2.8
Od3000	3	1.5	1.1	20-100	3.7

MAS Soil Stabilization Mixer

MAS 1500/2000/3000/3500/4000



Features:

- ★ The mixing system adopts upper and lower spiral belt configuration to reduce inefficient zone effect,
- ★ The reverse four-spiral belt mixing structure, the hedging effect is continuously formed during the mixing, which can make the material mixed evenly in short time.
- ★ Equipped with multi stages shaft and well sealed.
- ★ Dual modes of discharge door open with hydraulic or manual operated mode, large size discharge door design can faster discharge material.
- ★ Can meet Large-tonnage intermittent production requirement .

MODEL	Production Efficiency(T/h)	Mixing Motor & Power(KW)	Rotation Speed (RPM)	Mixing Arms and Blades(PCS)	Weight At Empty (T)
MAS 2250/1500	160~200	2×30	36	Four Helical Ribbons and Wear-Resistant Alloy Blades	6.05
MAS 3000/2000	240~280	2×37	36		7.5
MAS 4500/3000	360~420	2×55	32		9.5
MAS 5250/3500	440~500	2×55	32		10.5
MAS 6000/4000	500~560	2×75	28		11.44

MAO-C Continuous Mixer

MAO-C 80/100/150/200/300



Features:

- ★ Utilizes a shallow and elongated mixing drum, enabling fast mixing and improved uniformity as materials move from inlet to outlet.
- ★ No dead zones in the mixing area, ensuring material homogeneity.
- ★ Lightweight mixing arms are bolted directly to the shaft, ensuring stability at high mixing speeds.
- ★ Automatic lubrication system at the shaft head ensures sealing performance and bearing durability.

MODEL	Hourly Output (T/H)	Mixing Motor & Power (KW)	Rotation Speed (RPM)	Mixing Arms And Blades (PCS)	Material Particle Size (mm)	Weight At Empty (T)
MAO-C 80	145-160	18	84	48+4	0-100	2.5
MAO-C 100	180-200	22	105	48+4	0-100	2.6
MAO-C 150	270-300	30	80	42+4	0-120	5.0
MAO-C 200	360-400	37	47	44+4	0-150	5.7
MAO-C 300	540-600	45	50	44+4	0-150	5.9

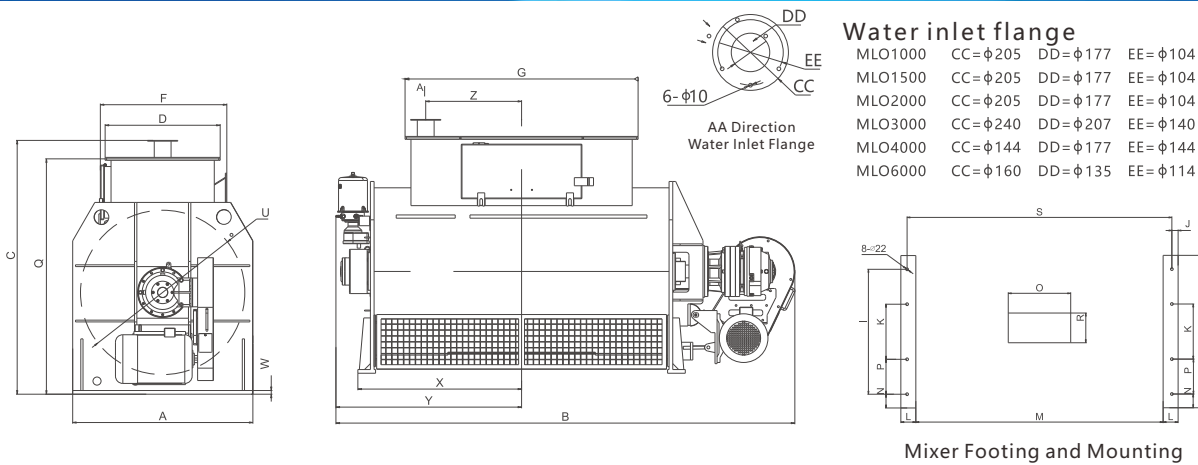
MLO Lightweight Aggregate Concrete Mixer

MLO 1000/1500/2000/3000/4000/6000



Features:

- ★ Unique reversible double-spiral mixing system which can provide high production efficiency
- ★ Discharge door control by pneumatic cylinder.
- ★ Which is rapid and reliable operation.
- ★ Open-type discharge door increase discharging speed and good sealing
- ★ Equipped with DC 24V grease pump system for centralized lubrication system of the mixer, self-programmed running time, water-proof, dust-proof, super performance.
- ★ Polyurethane removable mixing blades help to reduce tank wearing, easy to maintain and assemble.
- ★ Discharge door dimension can be customized according to the size of mixing materials.



MODEL	Effective Volume (L)	Compacted Yield(L)	Number Of Left-Rotation Scrapers (PCS)	Number Of Right-Rotation Scrapers (PCS)	Number Of Small Scrapers (PCS)	Number Of Side Scrapers (PCS)	Mixing Motor & Power (KW)	Weight At Empty (T)
MLO1000	1550	1000	1	1	4	2	11	3.0
MLO1500	1940	1500	1	1	4	2	15	3.4
MLO2000	2530	2000	1	1	4	2	22	4.5
MLO3000	5025	3000	1	1	4	2	45	5.5
MLO4000	6030	4000	1	1	4+2	2	55	—
MLO6000	9160	6000	1	1	4+2	2	63	—

MODEL	A	B	C	D	E	F	G	H	I	J	K	L
MLO1000	1220	2785	1720	780	1300	858	1180	1220	1000	50	441	120
MLO1500	1220	3185	1720	780	1300	858	1580	1220	1000	50	441	120
MLO2000	1220	3785	1720	780	1300	858	2180	1220	1000	50	441	120
MLO3000	1710	3790	2468	1060	2047	996	2160	1710	1400	85	600	200
MLO4000	1710	4285	2468	1060	2047	—	2660	1710	1400	85	600	200
MLO6000	1910	5000	2970	1360	2594	—	3560	1910	1400	85	600	200

MODEL	M	N	O	P	Q	R	S	U	W	X	Y	Z
MLO1000	1580	110	500	279.5	1596	240	1720	1114	25	910	1133	450
MLO1500	1980	110	500	279.5	1596	240	2120	1114	25	1110	1333	650
MLO2000	2580	110	1000	279.5	1596	240	2720	1114	25	1410	1633	950
MLO3000	2460	155	1000	400	2347	240	2690	1628	25	1430	1577	880
MLO4000	3190	155	1000	400	2257	240	3190	1628	25	1680	1832	1130
MLO6000	3560	255	—	400	2964	300	3790	1828	25	1980	2180	—

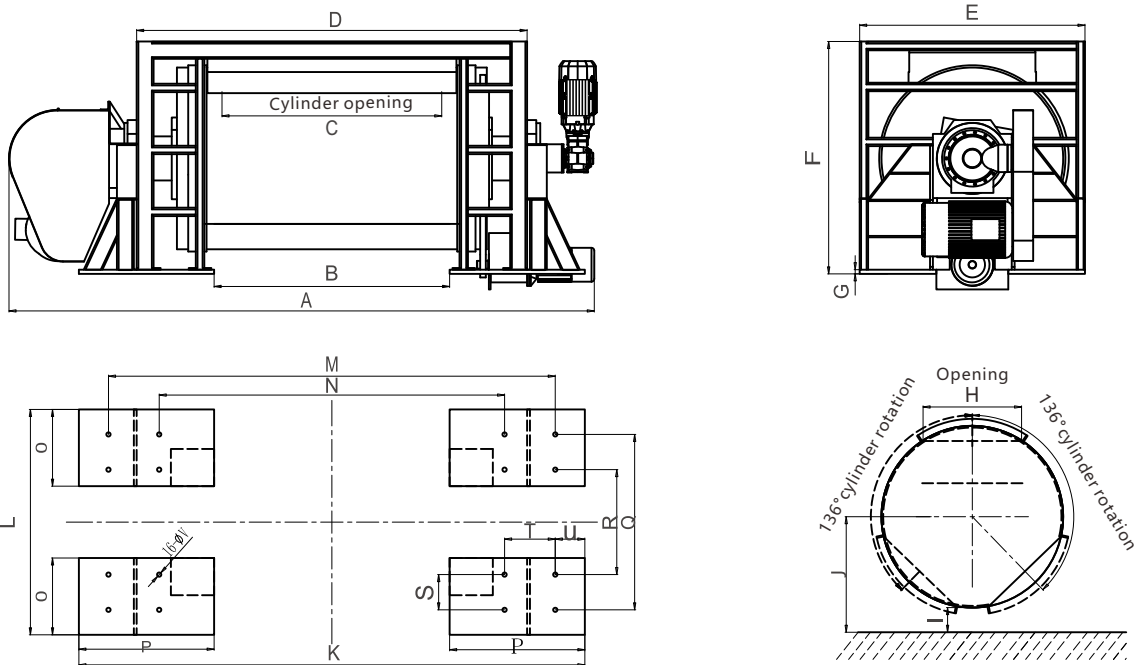
MLO-DS-T Single Shaft Double Speed Mixer

MLO-DS-T 1000



Features:

- ★ Equipped with unique and owned patent mixing system;
- ★ The mixing cycle is ≤3min, Excellent mixing efficiency ;
- ★ Low Energy consumption, strong load capacity and environmental friendly.
- ★ The mixer structure is strong, its performance is stable and reliable.
- ★ The driven and discharge structure is simple and easy to operate and maintain.
- ★ At a specific time, the high speed flying cutter can operated and resolve slurry bales, clump, lumpy and fiber is evenly dispersed after adding lightweight concrete fibers.



MODEL	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
MLO-DS-T1000	4160	1672	1580	2772	1600	1650	30	700	175	820	3952	1600	3172	2452	545	960	1245	745	250	360	30

MODEL	Effective Volume (L)	Compacted Yield (L)	Number Of Left-Rotation Scrapers(PCS)	Number Of Right-Rotation Scrapers(PCS)	Number Of Side Scrapers(PCS)	Number Of Flying Cutters(PCS)
MLO-DS-T1000	1940	1000	1	1	2	12

MODEL	Main Motor Power (KW)	Main Mixing Speed (RPM)	Flying Cutter Motor (KW)	Flying Cutter Speed (RPM)	Drum Motor	Weight At Empty (T)
MLO-DS-T1000	30	50	7.5	424	2	6.0

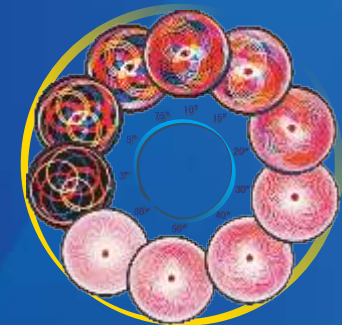
MPC Planetary Mixer

MPC 375/500/750/1000/1250/1500/2000/3000



Features:

- ★ The entire machine adopts a fully sealed design, fully meeting the requirements of dust-free, leak-proof, and pollution-free operations.
- ★ The mixer is highly versatile, suitable for a wide range of materials, especially high-quality, high-strength, dry-hard, UHPC self-compacting concrete, ceramics, chemicals, and other industries.
- ★ The unique Pascal spiral patent operating trajectory from SICOMA ensures high speed, efficiency, and more uniform mixing.
- ★ The mixing system can be configured in multiple ways, offering flexible options with no dead spots during mixing.
- ★ The discharge system uses a hydraulic system, with both manual and automatic modes, and can stop at multiple points.
- ★ Up to four discharge doors can be opened, with direction freely selectable.
- ★ Optional accessories include aggregate skip hoist, weighing system, high-pressure cleaning system, and microwave moisture measurement system.
- ★ Economical and durable, with easy maintenance and long-term supply of spare parts.
- ★ Available in various capacity options ranging from 0.25~3.0m³.



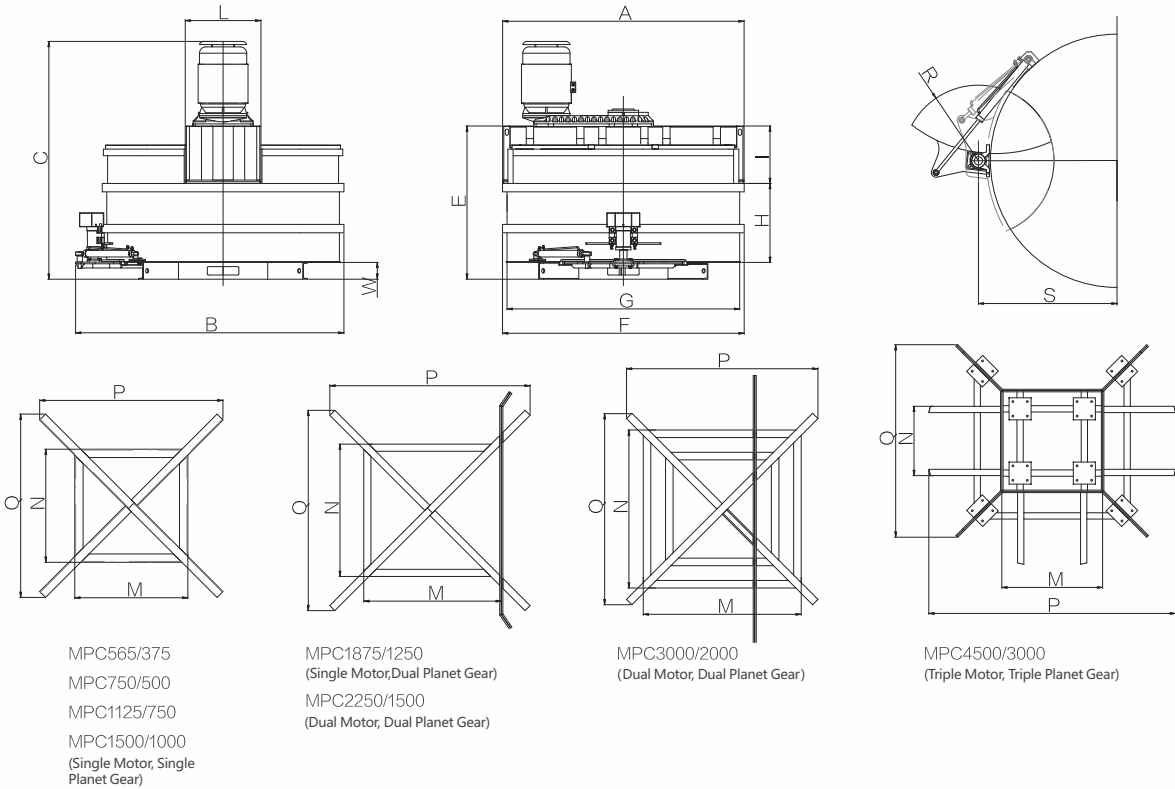
Mixing Effect Diagram



Single Motor Single Planetary Mixer



Planetary Mixer With Lifting System And Weighing System



MODEL	MPC565/375	MPC750/500	MPC1125/750	MPC1500/1000	MPC1875/1250	MPC2250/1500	MPC3000/2000	MPC4500/3000
Compacted Yield (L)	375	500	750	1000	1250	1500	2000	3000
Mixing Motor & Power (KW)	15	22	37	45	45(55)	2×37	2×45(55)	3×45(55)
Number Of Long Revolution Arms (PCS)	1	1	1	1	1	1	1	3
Number Of Short Revolution Arms (PCS)	0	1	1	1	1	1	1	0
Number Of Rotation Mixing Arms (PCS)	3	3	3	3	6	6	6	9
Number Of Rotation Scrapers (PCS)	3	4	4	4	4	4	8	9
Number Of Rotation Scrapers (PCS)	3	3	3	3	3+3	3+3	3+3	3+3+3
Weight At Empty(T)	1.4	2.4	3	4	5	6.3	8.5	16

MODEL	A	B	C	E	F	G	H	I	K
MPC565/375	1870	1903	1760	1119	1678	1678	558	435	290
MPC750/500	2067	2161	1886	1180	1922	1922	509	531	360
MPC1125/750	2270	2371	2187	1321	2102	2102	670	511	330
MPC1500/1000	2300	2556	2265	1459	2302	2302	752	547	327
MPC1875/1250	2600	2751	2265	1459	2502	2502	752	547	327
MPC2250/1500	2910	2973	2476	1604	2702	2702	850	578	365
MPC3000/2000	3706	3801	2474	1689	3522	3522	850	641	376
MPC4500/3000	4351	4595	2492	1747	4120	4120	1018	509	222
MODEL	L	M	N	Q	P	R	S	W	
MPC565/375	480	718	718	1164	1164	480	915	126	
MPC750/500	550	824	824	1336	1336	560	1050	140	
MPC1125/750	630	895	895	1464	1464	610	1140	140	
MPC1500/1000	721	942	942	1610	1610	640	1225	160	
MPC1875/1250	721	1175	1190	1764	1759	610	1325	160	
MPC2250/1500	820	1260	1260	1907	1907	700	1428	180	
MPC3000/2000	1030	2090	2090	2532	2530	700	1845	200	
MPC4500/3000	970	1600	1100	3055	3927	1200	2200	220	

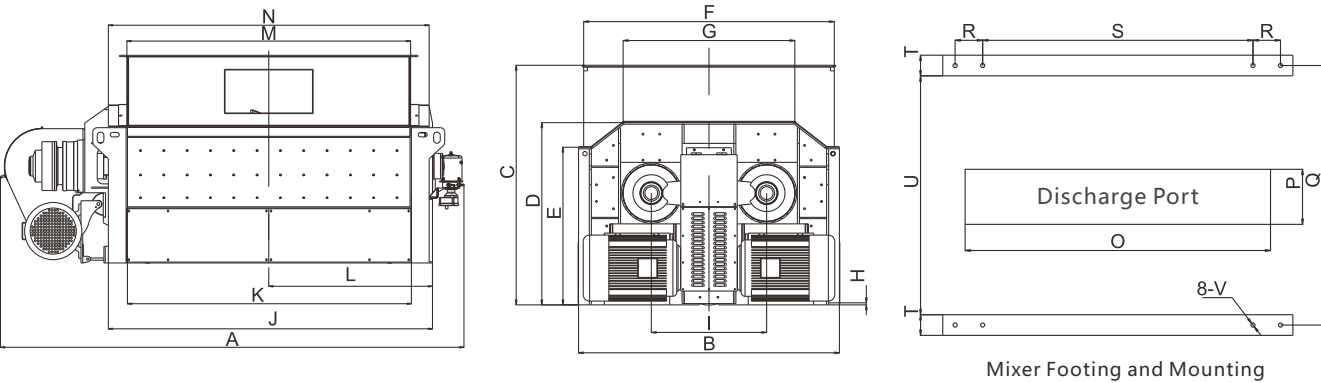
AM Asphalt Mixer

AM 2000/3000/4000/5000



Features:

- ★ Innovative tank design without dead area for mixture homogeneity.
- ★ Energy saving and environmental-friendly, improved mixing efficiency with oil heating preservation system at the tank bottom.
- ★ More stable transmission and higher working efficiency with shaft integrated in one piece structure.
- ★ Rapid discharging guaranteed by large size discharge door design and high temperature-resistant pneumatic cylinder.
- ★ The mixing blade and the liner are made in special chromium wear-resistant castings, which has strong wear resistance.
- ★ Equipped the drive belt with Germany Optibelt Red Power II belt formed in triangle, wear resistance, high temperature resistance;
- ★ High temperature-resistant shaft seal design, equipped an automatic lubricant pump, reducing labor cost



MODEL	Capacity (KG)	Mixing Motor& Power (KW)	Mixing Shaft Speed (RPM)	Number Of Mixing Arms (PCS)	Weight At Empty (T)
AM2000	2000	2×30	41.5	14	8.5
AM3000	3000	2×45	41.5	16	9.5
AM4000	4000	2×55	41.5	18	10.5
AM5000	5000	2×75	41.5	22	12

MODEL	A	B	C	D	E	F	G	H	I	J	K
AM2000	3334	2036	1870	1422	1230	1956	1340	16	900	2079	1705
AM3000	3754	2036	1870	1422	1230	1956	1340	16	900	2499	2125
AM4000	4174	2036	1870	1422	1230	1956	1340	16	900	2919	2545
AM5000	4594	2036	1870	1422	1230	1956	1340	16	900	3339	2965
MODEL	L	M	N	O	P	Q	R	S	T	U	V
AM2000	1054.5	1715	2049	1380	400	1886	200	1125	150	1736	30
AM3000	1264.5	2135	2469	1800	400	1886	200	1545	150	1736	30
AM4000	1474.5	2555	2889	2220	400	1886	200	1965	150	1736	30
AM5000	1684.5	2975	3309	2640	400	1886	200	2385	150	1736	30

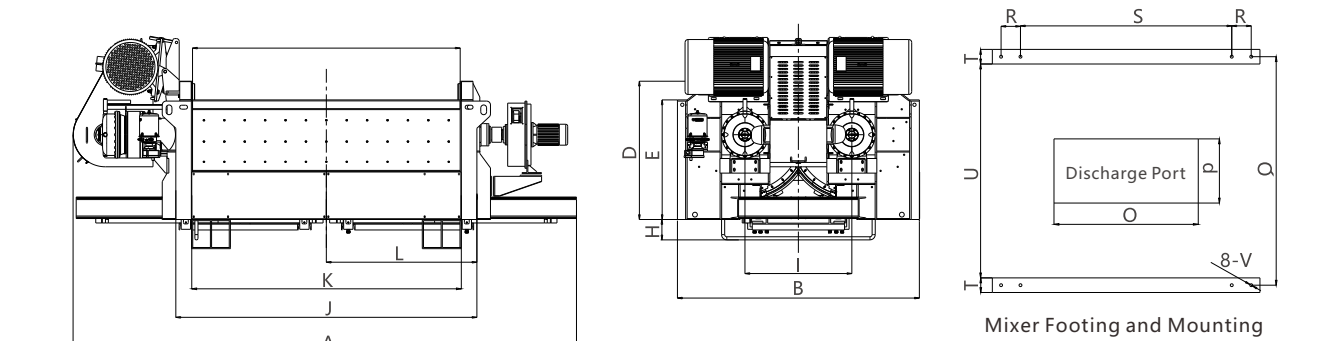
AM-Z Vibration Asphalt Mixer

AM-Z 6000



Features:

- ★ Innovative tank design without dead area for mixture homogeneity.
- ★ Energy saving and environmental-friendly, improved mixing efficiency with oil heating preservation system at the tank bottom.
- ★ Fast discharging speed with a horizontal sliding large size discharge door driven by a high-temperature resistant pneumatic cylinder.
- ★ The mixed blade and the liner are made in special chromium wear-resistant castings, which has stronger wear resistance.
- ★ The homogeneous pits configured on the working surface of blade, which enhanced the friction between material flow and working surface, producing friction phenomenon into upper part of the material, which helps the asphalt to be evenly coated at the surface of the stone. The evenly coating on finished product can increase the strength and stability of the asphalt pavement.
- ★ 25 seconds oscillating operation makes special-shaped asphalt granular coating more homogeneous, reducing asphalt consumption and producing costs, avoiding shaft holding .
- ★ Equipped the drive belt with Germany Optibelt Red Power II, belt is formed in triangle, which is wear resistance and high temperature resistance;
- ★ High temperature-resistant shaft seal design, equipped an automatic lubricant pump, reducing labor cost.
- ★ Suitable in containerized design for station building, it is convenient for rapid disassembly,transportation,splicing and installation.



MODEL	A	B	D	E	G	H	I	J	K
AM-Z 6000	5182	2490	1422	1230	1804	210	1100	3099	2775
MODEL	L	O	P	T	U	V	Q	R	S
AM-Z 6000	1550	1480	660	150	2200	30	2350	200	2175
Host Parameters		Capacity (KG)	Mixing Motor&power (KW)		Spindle Speed (RPM)		Number Of Mixing Arms (PCS)		Weight At Empty (T)
AM-Z 6000		6000	2X90		36		20		13.8
Oscillator Parameters		Oscillating Motor (KG)					Oscillation Frequency (Hz)		
AM-Z 6000		2X3					24.5		

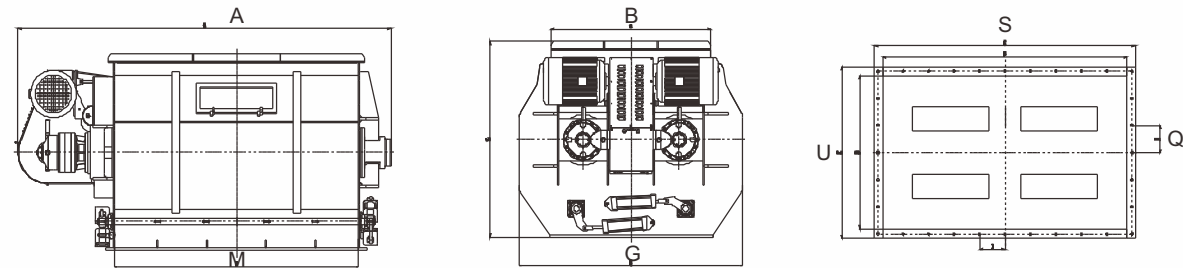
MSD Twin Shaft Dry Mortar Mixer

MSD 110/140/150/180/220/280



Features:

- ★ MSD series twin-shaft dry mortar mixer adopts two horizontal shafts structure, the shafts of mixing arm and blade are symmetrical at 180°, the arm and blade are distributed at 90°, this structure design can ensure full and evenly mixing time at about 180' seconds per cycle, improve mixing efficiency and mixture homogeneity.
- ★ SICOMA self-owned brand enhanced gearbox has double transmission pulley, small size, high load capacity, 1.5 safety factor, long service life, easier to proceed maintenance work.
- ★ Equipped with four large opening discharge doors, fast discharging speed, material residue rate is less than 1%;
- ★ The end of the mixing shaft is equipped with a triple sealing structure including air pressure seal, labyrinth type seal and oil seal to ensure sealing performance.
- ★ It is suitable for mixing dry-mix mortar materials which has much different kind of adhesive. It can satisfy grand volume mixing and high adhesivity and friction coefficient of mixture. Frequently used in construction, building materials production area etc.



MODEL	Total Volume (L)	Compacted Yield (L)	Mixing Motor & Power (KW)	Spindle Speed (RPM)	Weight At Empty (T)
MSD110 (MSD6000)	7000	2000-4200	2*30	32	4.8
MSD140 (MSD7000)	7000	2000-4900	2*37	32	5.0
MSD150 (MSD8000)	9000	3000-5600	2*37	32	6.8
MSD180 (MSD9000)	9000	3000-6300	2*45	32	7.0
MSD220 (MSD12000)	12000	3600-8400	2*45	29	8.0
MSD280 (MSD15000)	15000	4500-10500	2*55	29	9.5

MODEL	A	B	C	D	E	F	G	H	I	J
MSD110	3890	2300	2070	1520	1700	2538	2718	1674	265	270
MSD140	3890	2300	2070	1520	1700	2538	2718	1674	265	270
MSD150	3946	2600	2200	1700	1900	2538	2718	1800	265	260
MSD180	3946	2600	2200	1700	1900	2538	2718	1800	265	260
MSD220	4620	2610	2370	1740	1900	3000	3164	1864	310	260
MSD280	4650	2960	2570	2020	2200	3000	3164	2160	310	265

FAM Dry Powder Mixer

FAM 2000/3000/4800



Features:

- ★ Optimal transmission mode, adopts no-over positioning design good reliability.
- ★ The mixing shaft and fly cutters are perfectly sealed with pressurized sealing device.
- ★ The multilayer fly cutters directly connected with the motor along the tank side rotate correspondingly with the main mixing blades can more evenly mix up anti caking material. They efficiently scatter material bulks, can quickly mix the materials evenly and improve the mixing quality. Mixing uniformity reaches 1:60000.
- ★ Fast and clean discharging with pneumatic discharge device. Large-opening discharge door design, clean discharging, and the residual rate is less than 0.3%;
- ★ Enhanced security with a safety switch on the inspection window Heavy-duty design, Stable and reliable operation.
- ★ 0.6 ~ 6.0m³ volume capacity optional.

MODEL	Total Volume (L)	Compacted Yield (L)	Cylinder Wall Thickness (mm)	Mixing Motor & Power (KW)	Flying Knife Power (KW)	Discharge Port (mm)	Observation Window (PCS)	Weight At Empty (T)
FAM 2000	2000	800-1400	12	37	5.5*3	240*1000	1	2.4
FAM 3000	3000	1200-2100	12	45/55	5.5*4	500*1600	1	3.8
FAM 4800	4800	1920-3360	12	90	5.5*4	800*1600	1	5

FAM Series Dry Powder Machine Selection Instructions:

- The main units shaft ends can be optionally equipped with an automatic lubrication pump for automatic oil supply.
- On FAM2000 and FAM3000 models, the discharge gate is actuated by a pneumatic cylinder; on the FAM4800 model, the discharge gate is actuated by a hydraulic cylinder.
- The mixing shaft can be fitted with a rotational speed sensor capable of outputting a signal.

GSM Inclined Mixer

GSM 500

Features:

- ★ The mixer is tilted at an angle, and the rotating container moves materials clockwise into the mixing zone.
- ★ One or more eccentric high-speed rotors rotate clockwise or counterclockwise and can be adjusted based on material properties.
- ★ Side scrapers assist mixing, prevent sticking on walls/bottom, and accelerate discharge.
- ★ Widely used in building materials, concrete, dry mortar, plaster, sand-lime bricks, ceramics, refractories, glass, battery paste, friction materials, carbon production, casting sand, metallurgy powders, environmental applications, etc.



MODEL	Compacted Capacity (L)	Dry filling Capacity (L)	High-Speed Rotor Motor Power (KW)	High-Speed Rotor Speed (RPM)	Mixing Cylinder Speed (RPM)	Drive Motor Power for Mixing Cylinder (KW)
GSM 500	500	750	22	550	18.8	5.5
Gearbox for Mixing Cylinder Drive (RPM)	Number of High-Speed Rotors (PCS)	Number of Rotor Blades (PCS)	Number of Fixed Side Scrapers (PCS)	Double Solenoid Valve	Hydraulic Motor	Weight at empty (T)
87	1	10	1	50Hz/DC24V	three-phase AC380V 50Hz/2.2KW	2.2

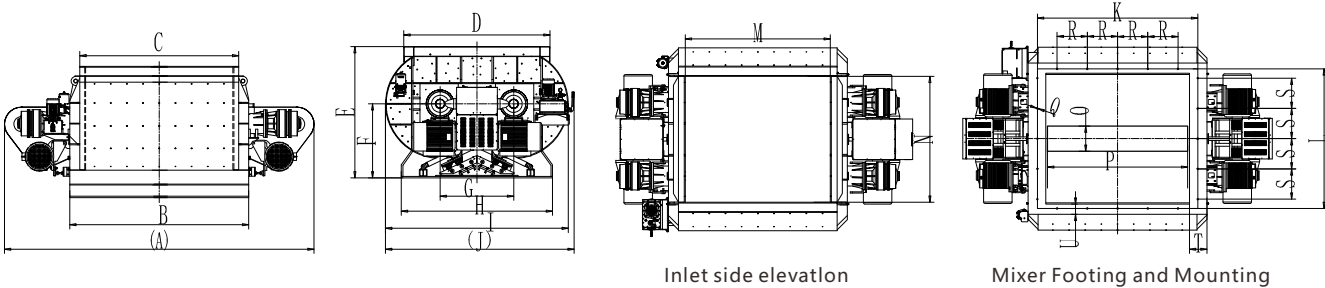
MHW Hazardous Waste Treatment Mixer

MHW-E 6000/9000/10000/12000/15000



Features:

- ★ The mixing scrapers are corrosion-resistant and wear-resistant.
- ★ The tank features excellent sealing and provides uniform mixing performance.
- ★ Large discharge port meets the needs of high-volume mixing and unloading.
- ★ Suitable for mixing treatment of industrial hazardous wastes such as pharmaceutical waste, organic solvent waste, mineral oil waste, flotation waste, dye and paint waste, pesticide waste, preservative waste, non-ferrous metal smelting waste, distillation residues, slag and fly ash, metal or non-metal scraps and debris.



MODEL	Dry Filling Capacity (L)	Compacted Capacity (L)	Mixing Blades (PCS)	Mixing Motor & power (KW)	Weight At Empty (T)
MHW-E6000	9000	6000	16	2x110	26
MHW-E9000-Q	13500	9000	24	4x90	32.2
MHW-E10000-Q	15000	10000	28	4x90	34
MHW-E12000-Q	17500	12000	32	4x110	37
MHW-E15000-Q	22500	15000	40	4x132	42

MODEL	A	B	C	D	E	F	G	H	I	J	K
MHW-E6000	4378	2589	2189	2900	2605	1470	1460	3000	3628	3743	2239
MHW-E9000-Q	6145	3552	3152	2900	2605	1470	1460	3000	3628	3743	3182
MHW-E10000-Q	6460	3872	3472	2900	2605	1470	1460	3000	3628	3743	3502
MHW-E12000-Q	7302	4272	3872	2900	2605	1470	1460	3000	3628	3743	3902
MHW-E15000-Q	8012	4836	4436	2900	2605	1470	1460	3000	3628	3743	4466

MODEL	L	M	N	O	P	Q	R	S	T	U
MHW-E6000	2770	1955	2500	500	1697	30	600	600	350	200
MHW-E9000-Q	2770	2880	2500	500	2780	30	600	600	350	200
MHW-E10000-Q	2770	3200	2500	500	3140	30	600	600	350	200
MHW-E12000-Q	2770	3600	2500	500	1365x2	30	780	600	350	200
MHW-E15000-Q	2770	4164	2500	500	1647x2	30	921	600	350	200

MFO Fly Ash Consolidation Mixer

MFO 500/750/1000/1250/1500/2000/3000/4000



Features:

- ★ Adopted stainless steel hydraulic pipe and straight nozzle, have the advantages of anti-corrosion, anti-clogging, and quickly entering water;
- ★ Adopted cylindrical discharge door which can be anti-adhesion, homogenized mixing material and faster discharge;
- ★ The wear plates of mixer made with stainless steel, which is corrosionresistant and allow a long term usage.
- ★ Shaft ends seal protection is a special structure propriety which is corrosion-resistant and anti -adhesive to dedicate fly ash consolidation.
- ★ The upper cover is made of PP sheet, which is anti-adhesive and allow a long term usage; (optional)
- ★ Our company general concrete mixers can be transformed into a fly ash consolidation mixer.

MODEL	MFO500	MFO750	MFO1000	MFO1250	MFO1500	MFO2000	MFO3000	MFO 4000
Compacted Yield (L)	500	750	1000	1250	1500	2000	3000	4000
Mixing Motor & Power (KW)	11×2	18.5×2	22×2	22×2	30×2	37×2	55×2	75×2
Mixing Blades (PCS)	14	10	12	12	14	14	16	18
Weight At Empty (T)	3.9	4.6	5.35	5.6	5.92	7.8	9.5	11.5

MMO Twin Shaft Vacuum Mixer

MMO 1000/3000/4000/9000/V9000/V13000/V20000



Features:

- ★ The integrated design of mixing arm and blade can effectively reduce the adhesion of materials;
- ★ In the welding process of tank manufacturing, mechanical positioning tool is adopted to ensure the precise welding point, shortening work time for welding, and reduce labor costs.
- ★ The discharge door is driven by an oil cylinder which can provide good sealing performance and quick response speed.
- ★ The open design discharge door located at the bottom of the mixing tank, which can ensure more completely to discharge mixing material
- ★ The driving connection adopted belt and pulley, which can has a overload protection;
- ★ The gearbox with higher factor of safety ensures its good performance and prolongs its service life
- ★ The gearbox with a greater safety factor prolongs its service life while ensuring its good performance;
- ★ Negative pressure of Vacuum mixer tank ≥ 0.02 Mpa

▲ Non-Vacuum Operation



▲ Vacuum Extraction

Vacuum Extraction						
MODEL	Capacity (KG)	Mixing Motor& Power(KW)	Overall Dimension (mm)	Mixing Shaft Speed (RPM)	Number Of Mixing Arms (PCS)	Weight At Empty (T)
MMO1000	1000	2×22	2921×2000×1485	26.5	14	5
MMO3000	3000	2×55	3822×2600×7720	27	20	9
MMO4000	4000	2×75	4507×2600×1720	24	24	12
MMO9000	9000	2×90	3831×3400×2580	22.5	18	17.5

Non-Vacuum Operation						
MODEL	Capacity (KG)	Mixing Motor& Power(KW)	Overall Dimension (mm)	Mixing Shaft Speed (RPM)	Number Of Mixing Arms (PCS)	Weight At Empty (T)
MMO-V9000	9000	2×90	5648×3400×2881	22.5	18	19
MMO-V13000	13000	4×90	5716×4431×3015	22	16	24
MMO-V20000	20000	4×110	6351×5997×2938	22.5	20	31.5

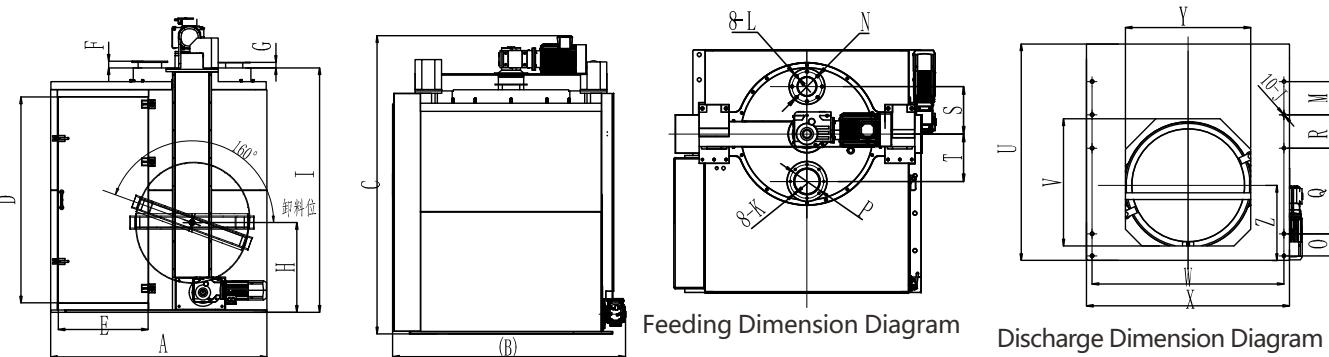
MLK Roller Compaction Mixing Machine

MLK 1000



Features:

- ★ After leveling, the cylindrical body can automatically rise from a low position to a high position, ensuring a good seal between the body and the cover.
- ★ Utilizes an angled planetary motion trajectory for mixing.
- ★ Once the mixing time is complete, the cylindrical body can automatically lower to a low position.
- ★ Large-angle tipping for unloading allows all powdered materials to be discharged at once. The cylindrical body can be vertically aligned to ensure smooth cleaning.
- ★ Residual materials can be effectively removed through a cleaning device, keeping the bottom of the cylindrical body free of residue.
- ★ The cleaning device can automatically move to the working position and return to its initial position after use.
- ★ The entire mixing device is housed within a sealed frame, effectively preventing dust from escaping and protecting workers' health.
- ★ The frame structure is equipped with an inspection door for easy observation and maintenance.



MODEL	Dry Filling Capacity (L)	Compacted Capacity (L)	Number Of Mixing Arms (PCS)	Number Of Side Scrapers(PCS)	Weight At Empty (T)
MLK1000	150	100	4	1	3.1

MODEL	Smash The Motor (KW)	Lifting Motor	Flip Moto (KW)	Cleaning Motor (KW)	Mixing Shaft Speed (RPM)	Side Blade Speed (RPM)
MLK1000	5.5	1.5	1.5	0.25	121	51

MODEL	A	B	C	D	E	F	G	H	I	J	K	L	M
MLK1000	1950	2097	2685	1855	810	60	50	808	2022	30	15	22	300

MODEL	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
MLK1000	240	200	270	771	300	380	380	1950	1145	1730	1830	1129	676

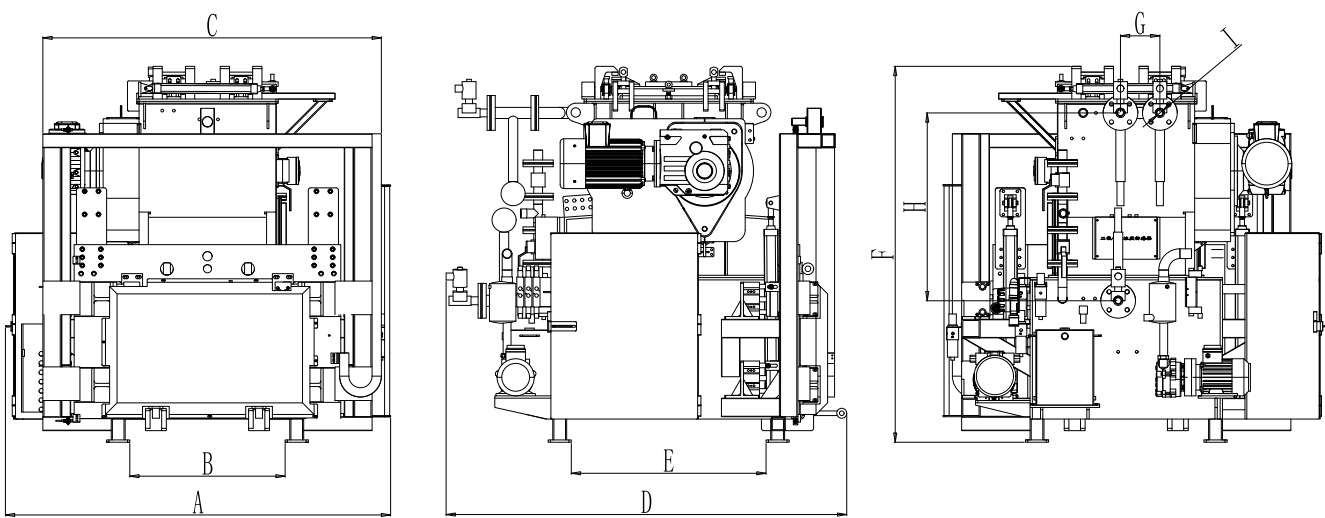
MTO-V Carbon Fixation Test Mixer

MTO-V50



Features:

- ★ The mixer uses vacuum technology and advanced carbon dioxide infusion methods to ensure that carbon dioxide is quickly and completely absorbed by the materials during mixing.
- ★ It provides precise measurements of gas flow and accurate control of pressure.
- ★ During mixing, the concrete reacts chemically with carbon dioxide, producing higher-strength concrete with the same material proportions.
- ★ This process helps lower production costs, improve the quality of the final product, facilitate carbon fixation, and reduce carbon emissions.
- ★ It is widely used in infrastructure projects like bridges, tunnels, water conservancy, hydropower, transportation, housing construction, and nuclear engineering, making it an ideal choice for producing green and innovative concrete.



MODEL	Dry Filling Capacity (L)	Total Volume (KW)	Left Hand Scraper (PCS)	Right-handed Scraper (PCS)	Number Of Side Scrapers (PCS)	Mixing Motor & Power (KW)	Weight At Empty (T)
MTO-V 50	50	139	4	4	4	4	1.96

MODEL	A	B	C	D	E	F	G	H	I
MTO-V 50	1662	670	1460	1728	840	1621	170	810	G1 female thread

HCM Artificial Stone Vertical Shaft Mixer

HCM 250/375/500/750/1000/1250/1500/2000



Features:

- ★ The gearbox has proceed a special process, the surface is smooth,hard, corrosion-resistant and high-temperature resistant.
- ★ Adopted advanced sealing structure design, avoid oil leakage evenin long-term usage.
- ★ The stirring rod is made of special materials, the surface is smooth, and the bottom is equipped with a wear-resistant porcelainsleeve, which is durable and easily replace;
- ★ Dual modes of discharge door opening, hydraulic operated/manual operated, allow multi adjustable stopping positions.
- ★ The discharge door adopts pull-out structure and rotating with a fully open structure.
- ★ The internal lining is specially made with glass material, the gap is small between each area, it is favor to flow materials which can prevent sticking and easy to clean
- ★ The mixing tank is equipped with multiple lateral doors, which is perfectly sealed, it is safe and reliable, easy to enter and exit from inside;
- ★ The whole mixer adopts a fully sealed design to achieve the requirements of dust-free, leak-free, and pollution-free.
- ★ 0.25 ~ 2.0 m³ volume capacity optional.

MODEL	HCM375/250	HCM565/375	HCM750/500	HCM1125/750	HCM1500/1000	HCM1875/1250	HCM2250/1500	HCM3000/2000
Capacity (L)	250	375	500	750	1000	1250	1500	2000
Motor Power (KW)	9.2	15	22	37	45	45(55)	2×37	2×45(55)
Orevolution Speed (RPM)	20	19	21	20	21	15	15	14
Rotational Speed (RPM)	40	40	44	41	44	43+43	30+30	31+31
Number,Of Planetary Carriers (PCS)	1	1	1	1	1	2	2	2
Number Of Mixing Rods (PCS)	6	6	6	6	6	6+6	6+6	6+6
Weight At Empty (T)	1.2	1.7	3	4.2	5.5	6	7.5	9

TMR Vertical Shaft Turbine Mixer

TMR 1000/1250/1500



Features:

- ★ The mixing system is equipped with a spring device to absorb energy consumption and give buffering to the impact of arm&blade from mixing material.
- ★ The adjacent mixing blades are configured inside and outside, which can shear, squeeze, turn up and down.
- ★ Material go back and forth, forming a cross flow, the mixing can be more quickly and evenly;
- ★ Linings are installed at the bottom and internal of the tank. Various material of liners can be selected according to the mixture characteristics.
- ★ Modular structure design for the upper cover system, it can be adjusted in any direction during installation, and can be installed according to the direction of feed inlet, water inlet, and discharge door. The cover equipped with a unique spiral nozzle, the spiral nozzles are configured in cross-distribution, which can clean completely the inside of the mixer;
- ★ A special reducer dedicated to turbine mixer uses the same hydraulic system with the discharge gate to reduce maintenance costs, it is energy saving and environmental protection;
- ★ Suitable for mixing high fluidity mortar concrete , and also suitable for mixing dry hard concrete, such as fine aggregate, powder and lightweight aggregate concrete.

MODEL	Dry filling capacity (L)	Capacity (L)	Mixing motor &power(KW)	Rotation Speed (RPM)	Number Of Mixing Arms (PCS)	Number of Side Scrapers (PCS)	Weight At Empty(T)
TMR 1500/1000	1500	1000	37	22.66	7	2	5.5
TMR 1875/1250	1875	1250	45	22.66	7	2	5.6
TMR 2250/1500	2250	1500	55	22.66	7	2	6.5

MPT Vertical Shaft Planetary Lab Mixer

MPT 50/100/250



Features:

- ★ Application: Lab test, batch plant dosing test, project test, college and school teaching.
- ★ Suitable for Lab test, batch plant dosing test, project test, college and school teaching.
- ★ Can more evenly mixing high-strength, high-viscosity special concrete and powder.
- ★ Manual discharge, easy to operate (optional pneumatic cylinder discharge).
- ★ Economy and durable, easy for maintenance and easy to replace wearing parts;
- ★ Lightweight, self-equipped support frame, easy for transportation and installation.

MODEL	Compacted Yield (L)	Mixing Motor & Power (KW)	Overall Dimension (mm)	Revolution Speed (RPM)	Rotational Speed (RPM)
MPT75/50	50	3	1170×1230×1570	23	54
MPT150/100	100	5.5	1430×1685×1490	22	44
MPT375/250	250	9.2	1550×1845×1515	20	40

MODEL	Number Of Rotation Mixing Arms (PCS)	Number Of Revolution Scrapers (PCS)	Number Of Long Revolution Arms (PCS)	Weight At Empty (T)
MPT75/50	3	1	1	0.65
MPT150/100	3	1	1	0.8
MPT375/250	3	1	1	1.3

MTO Twin Shaft Lab Test Mixer

MTO 50/100/150



Features:

- ★ Mixer tank is made of carbon steel or stainless steel with rigid and stable structure, which has good performance of wear-resistant, corrosion resistance and anti-caking.
- ★ Equipped motor with a converter, which can adjust infinite speed variation from 0 to 50r/min.
- ★ Easy to adjust the mixing speed for test time control;
- ★ Safe and reliable, small space area with low noise.
- ★ Discharge door can be opened flexible for complete discharging.

MODEL	Dry Filling Capacity (L)	Compacted Yield (L)	Mixing Motor& Power (KW)	Number Of Side Scrapers (PCS)	Weight At Empty (T)
MTO75/50	75	50	1×4	16	0.58
MTO150/100	150	100	1×5.5	12	0.85
MTO225/150	225	150	1×7.5	16	1.0