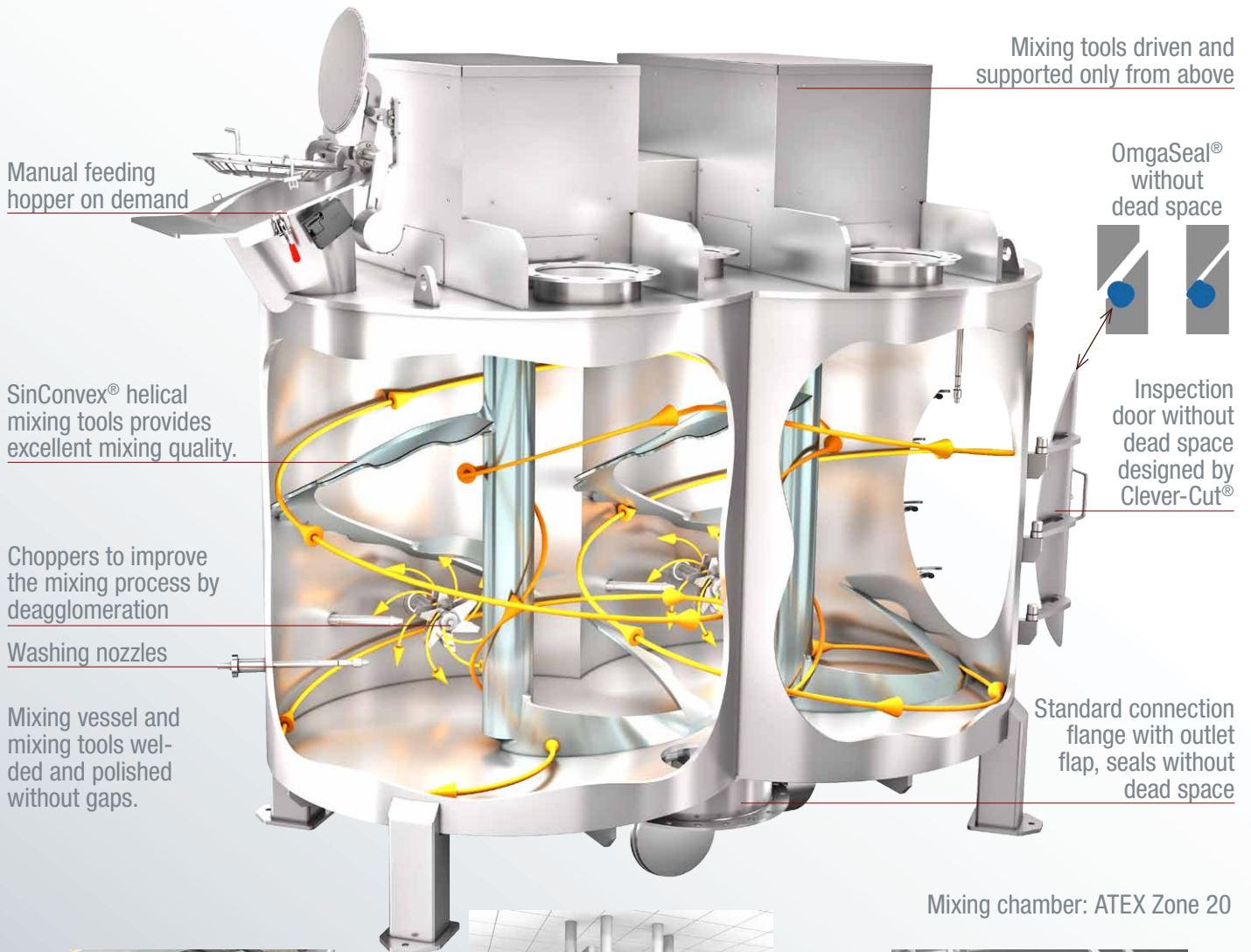


Vertical twin-shaft mixer Type HM

The best mixing quality for dry, moist and viscous materials at variable filling levels in a very gentle process

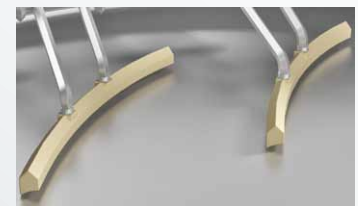
The mixer can be designed to conform to FDA-standards to be used as a sterile mixer and reactor which also meets EHEDG requirements and the 3-A Sanitary Standards.



HM 3000 for food stabilizers

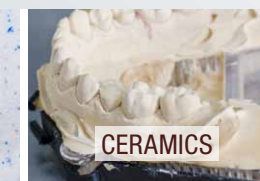


HM 10.000 Stand-Alone Mixing plant



ComDisc® for complete discharge: During the final phase of the discharging, they sweep the ground. Thus, the last remnants are discharged without segregation.

HM-1-7001-2022 EN



User Benefits

- ✓ This precision mixer is universally applicable.
- ✓ The mixing quality can not be exceeded.
- ✓ The energy input and the mixing time are minimal.
- ✓ Mixing tool driven and supported only from above. Everything is fully welded and polished without gaps.
- ✓ The inspection door is especially hygienic - manufactured according to the Clever-Cut® process with OmegaSeal® and seals permanently free of dead space. On request also vacuum-tight or against overpressure.
- ✓ Automatic wet cleaning devices are available on request.

Piloting

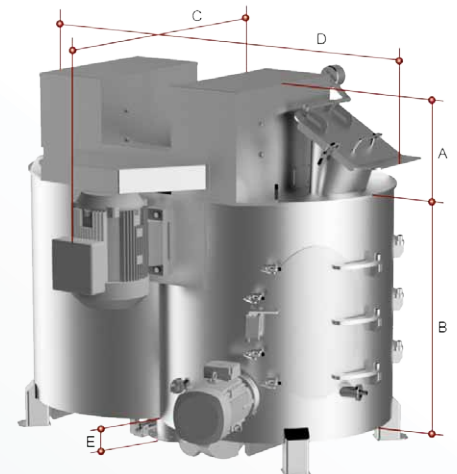
amixon® places special importance on the pilot phase in the test centre. Your mixing processes are simulated here. This way, we support you in your product development phase. amixon® has a main test center in Paderborn (Germany). Further test centers are situated in Japan, Thailand, India, South Korea and the USA.



Technical Data

On request, amixon® manufactures mixer sizes in 100 liter steps from 100 liters to 50,000 liters

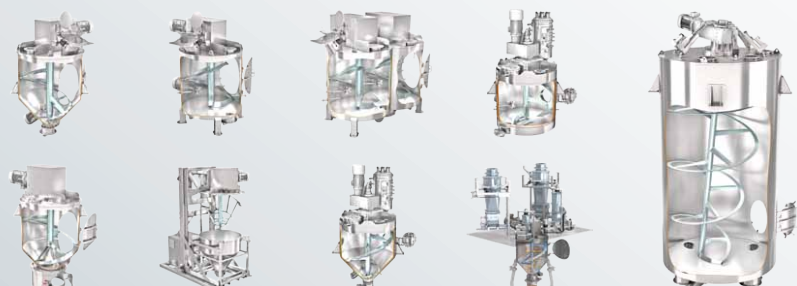
Vertical twin-shaft mixer Type HM The type designation is equal to the batch size in liters. Ideal mixing even at low filling levels.	Approximate gross volume of the mixer	Approximate dimensions of the standard version. Please ask for detailed dimension sheets!					The drive power required can vary widely depending on the bulk density, flow characteristics, rotational frequency and the processing task (such as deagglomeration).		Weight may vary considerably depending on the size of the drive and the type of design. The additional dynamic loads are very low.
		A	B	C	D	E	from	to	
		[liters]	[mm]					[kW]	
100	130	300	480	800	825	145	1	5	900
200	270	350	580	1000	1000	145	3	11	1000
400	530	420	745	1200	1250	145	6	25	1300
4000	5180	700	1560	2300	2700	145	38	133	6500
5000	6470	750	1670	2400	2900	145	46	160	6800
20000	25700	900	2600	3800	5600	145	101	346	32000



- Usually the vessel dimensions are relatively cubic, so that the height of the cylinder corresponds to the diameter. If desired, amixon® can modify the proportions: "low profile" if the height is limited or "slim profile" if the available ground area is limited.
- The rotational frequency can vary widely from about 0,8 m/s to about 3,5 m/s. Usually vertical twin-shaft-mixers operate at low speed.
- As a welding specialist, amixon® is qualified by European, Japanese and American authorities with regard to different materials. The materials in contact with the mixing goods are either mild steel S355J2Ge, Hardox, austenitic stainless steels 1.4301, 1.4541, 1.4571, 1.4404, 1.4539, 1.4529, Duplex stainless steels 1.4462, 1.4162, 1.4363, and Alloy 59-2.4605, Hastelloy C22 and nickel.
- The mixers meet the highest hygienic requirements and comply with the EHEDG guidelines for dry and wet cleaning. The mixers also meet the FDA hygiene guidelines and the design requirements of 3-A Sanitary Standards.



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amixon® manufactures high precision mixers, vacuum mix-dryers, synthesis reactors and granulators with maximum fabrication depth. All components of the amixon®-mixers are made in Germany. The production of the machines takes place exclusively in the amixon®-factory in Paderborn, Germany.

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