

# Conical mixer dryer, Reactor

patented

**Ideal mixing quality for quick and gentle drying,  
moist and viscous materials at variable filling levels**

For materials with  
explosive dust, tip speed  
less than 1 m/s!

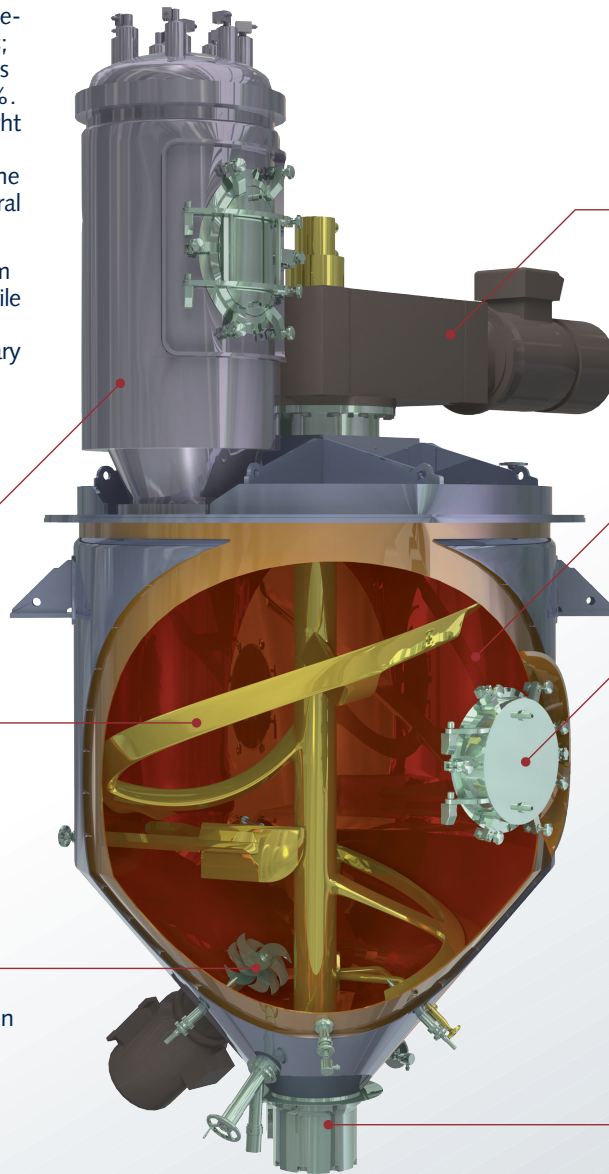
The spiral mixing blade initiates a three-dimensional flow of the mixing goods; conical designed mixing vessel enables powders to be discharged up to 100%. The reactor is vacuum and pressure tight and heatable by steam, thermal oil or water. Fully temperature controlled: the mixing vessel, the mixing arms, the spiral blade.

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

Vapour filter equipped with inspection door on request

SinConcave® spiral blade (patented), driven and supported from above with the advantage of complete discharge

Choppers to improve the drying process by deagglomeration



Gear box equipped with a cooling device

Mixing chamber fully temperature controlled and insulated

Man hole can be located on the top or on the side

On request inspection door designed by Clever-Cut®

On request rotational washing nozzles, dismantable via sanitary flanges

Discharge armature without dead space



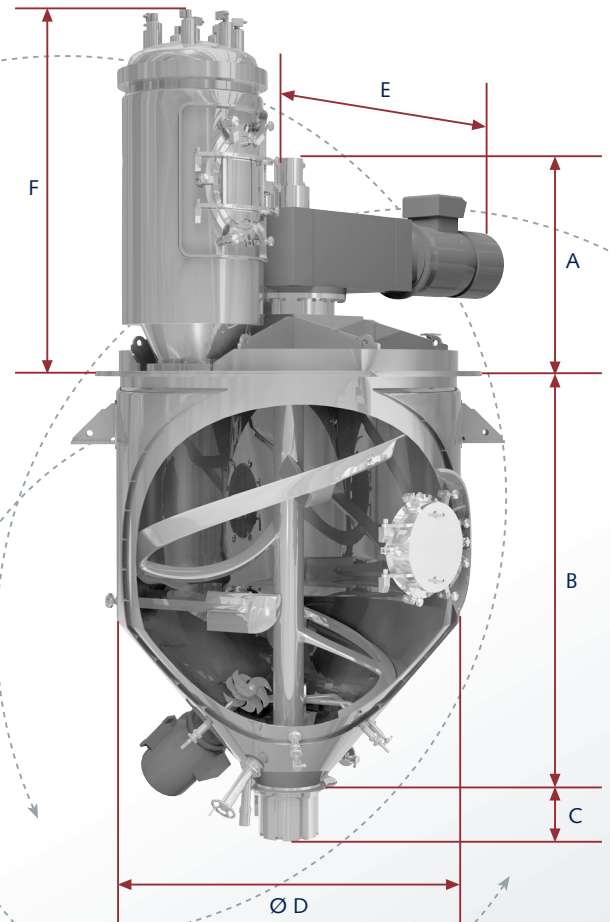
SinConvex® spiral blade (patented), meets the sine curve, creating ideal mixing qualities and best discharge ability

Sterile Reactor located between two floors



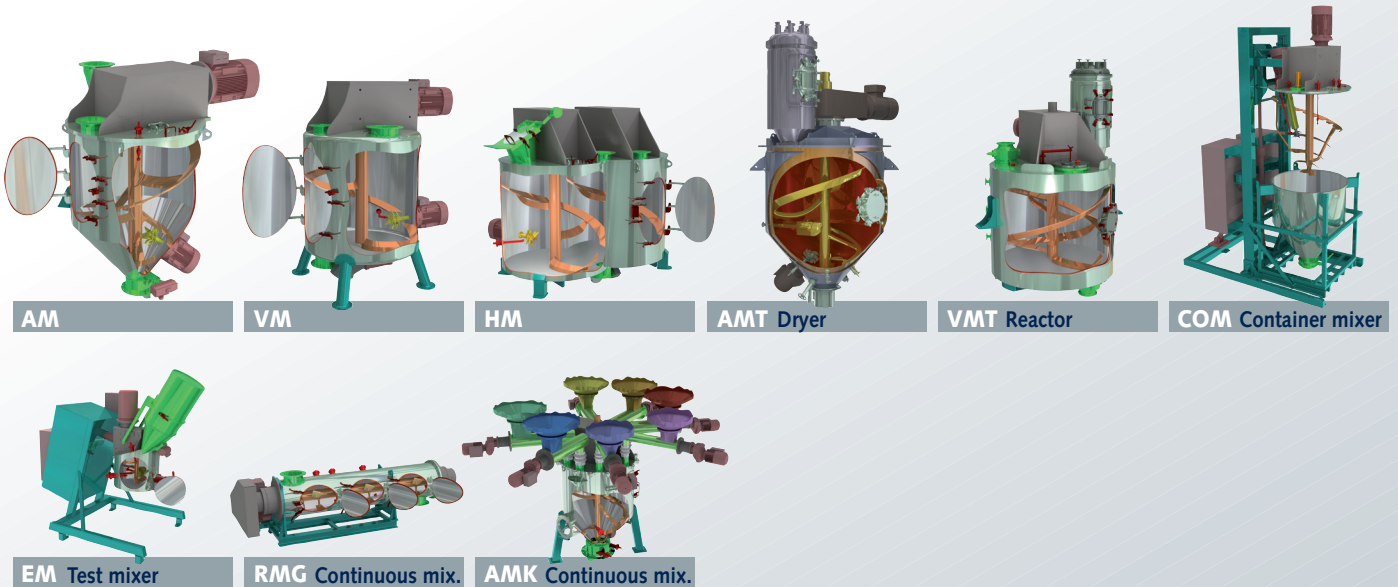
### Conical mixer dryer, Reactor, Model AMT

Model	ca. dimensions in mm, ca. weight in kg						Weight
	A	B	C	D	E	F	
100	480	800	150	700	1200	800	1800
200	580	1000	150	850	1450	1000	2150
400	550	1250	250	1100	1650	1000	2900
600	580	1450	274	1100	1700	1200	3400
800	550	1650	274	1100	1700	1200	3800
1000	700	1700	274	1280	2000	1200	4150
1500	1000	1800	274	1590	2300	1400	5050
2000	1050	2150	274	1590	2350	1400	5750
2500	1050	2650	274	1640	2850	1600	6300
3000	1050	2500	274	1860	2750	1600	7200
4000	1100	2650	300	2020	2500	1800	9000
5000	1100	2600	300	2160	2700	1800	10800
6000	1100	2950	300	2300	2750	2000	12600
7000	1200	3150	330	2420	3000	2000	14400
8000	1250	3350	330	2540	3200	2300	17100
10000	1250	3400	330	2950	3650	2300	19800
12000	1350	3850	340	2950	3600	2500	23400
15000	1450	4200	340	2950	3600	2800	27000



Interim sizes are offered in 100 litre steps. Bigger mixers up to 50 000 litres available on demand. Depending on the user needs the mixer weight may be lower or higher. Please ask for individual dimension sheets.

On request different designs are available, such as slim or low profiled mixing chambers.



amixon® test laboratories are available in Paderborn, Germany, in Memphis, USA and in Osaka, Japan. On request amixon can prepare detailed qualification documents.

We reserve the right to make changes due to progress in process engineering and manufacturing technology.  
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