



VACUUM **HOMOGENIZER** **MIXER**

The vacuum homogenizer mixer is a specialized machine designed for the homogenization of sauces, creams, toothpaste and other similar products. By removing air during processing, the vacuum ensures superior texture and stability. Equipped with both heating and cooling functions, It ensures high-quality homogenization of a wide range of products, making it ideal for industrial-scale production.



Other specifications:



- Particle size reduction down to 2 microns
- No bubble formation, ensuring improved product quality
- No separate pump required for discharge and cleaning
- Integrated CIP nozzle for cleaning without external equipment
- Easy replacement of rotor, stator and spare parts
- Double- and triple-jacket vessel with heating/cooling & temperature control system
- Option for localized heating system
- Fixed anchor-type scraper and baffle
- Homogenizer pump with circulation, discharge and CIP flow path
- Vacuum system with vacuum pump and pressure control
- Mixer lid with clam-shell opening mechanism
- Sight glass with internal lighting for product inspection

Options:



- Butterfly valves with pneumatic actuators
- Side tanks for water, oil and powder phases, equipped with mixer or bottom entry homogenizer
- Raw material feeding via load cell, flowmeter or dosing pump
- Variable speed control of homogenizer pump, scraper and second agitator through inverter installation
- Mirror-polished internal and external surfaces
- Optional lobe pump for material circulation and discharge
- Customizable configurations based on customer requirements
- HMI automation with PLC controller

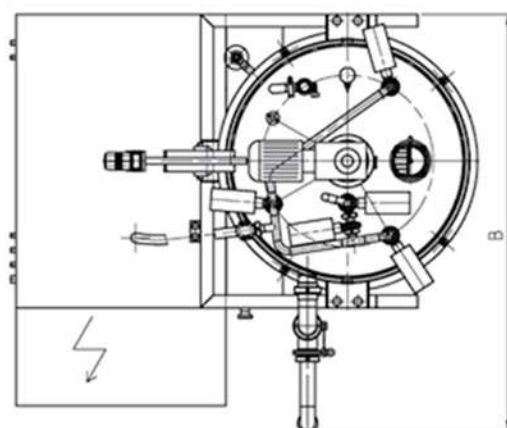
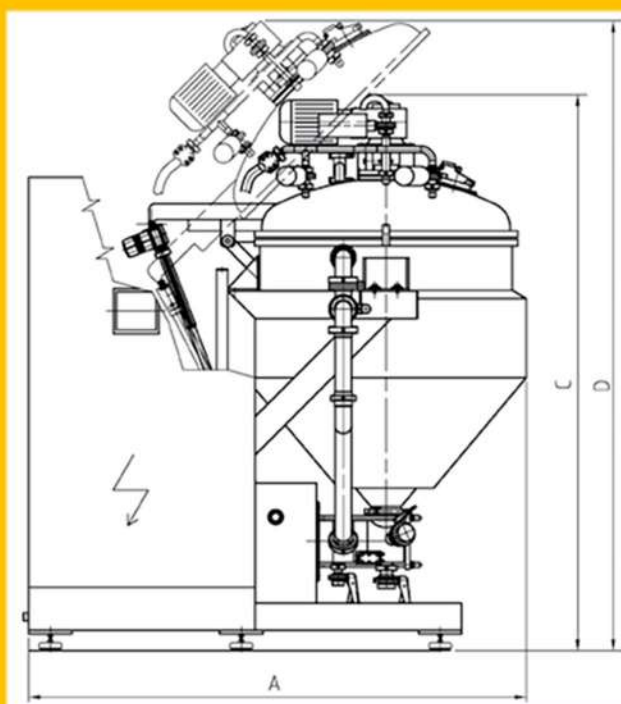
In Industries



- Food Industry:** Various hot and cold sauces, ketchup, mayonnaise, cream fillings, chocolate
- Cosmetics & Personal Care:** Powder foundation, lipsticks, mascaras, masks, hair dyes, nail polishes, lotions, toothpaste, shampoos
- Pharmaceutical Industry:** Medical creams, gels and ointments, ophthalmic formulations, dermatological products
- Chemical Industry:** Adhesives, inks, greases, coatings



Schematic:



working volume	Power consumption (KW)	dimensions (mm)			
		A length	B length	C length	D length
2 - 12	5	1000	600	1300	1000
40 - 250	22	1900	1600	2000	1900
80 - 420	22	2050	1800	2300	2050
80 - 600	34	2250	2100	2550	2250
150 - 850	37	2250	2200	2700	2250
200 - 1100	45	3000	2200	2900	3000
250 - 1500	45	3000	2450	3400	3000



PLEASE SCAN

 Address: No. 10, Sanat Street, Zaghros Street, Zaghros Industrial Park, Shahr-e Qods, Tehran, 3754181190, Iran
 Phone: 02146801050 - 02146801060 - 09120550895
 Website: radanmachine.com
 Email: info@radanmachine.com

CONTACT