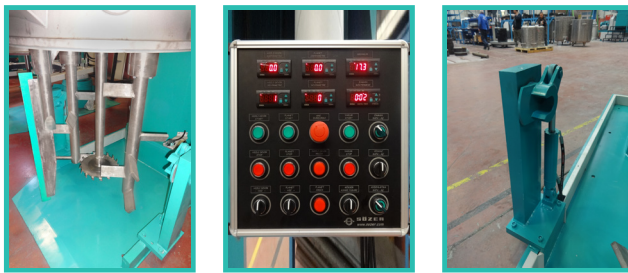


3.2. SMPK SERIES COMBINED PLANET MIXER MACHINES

AREAS OF USE

Combined planetary mixer machines are used in the production of medium and high viscosity products. The range of products that can be produced in this machine type is quite wide. Industrial paints, construction chemicals, putty, silicone, mastic derivative products, sealing and sealing elements, pigment paste, petrochemical products, pastes, adhesives, plastisol, and polyurethane-based products, and products used in agriculture, pharmaceutical, and food industries can be easily produced in combined planetary mixer machines.



STANDARD SPECIFICATIONS

There are two mixing systems on the machine. The first is the dispersion disc operating on the shaft in the center and the second is the two planetary mixing systems on the sides. In addition to the rotation of the mixing wings around its own axis, rotation of the block to which it is connected above increases the mixing efficiency. An efficient and homogeneous mixture is provided in a very short time by the movement of the product from top to bottom and from bottom to top in the vessel with the help of wings placed on these shafts at various angles. In addition, since there are several mixing systems, homogeneous mixing is achieved without heating the product. Apart from the mixing shafts, the scraper arm is also of great advantage in drawing the product in the regions close to the vessel side wall. Both mixing systems are adjusted independent of each other and the frequency inverter technology is adjusted with variable-speed. Aside from the ability to move up and down over their body with the electro-hydraulic system, they have the ability to mix at the desired height. There are cooling motors that are adapted to the main electric motor, allowing long-term operation at low speeds. Vessel side and bottom scraper system, time-adjusted mixing system are offered as standard.

OPTIONAL SPECIFICATIONS

There are many optional specifications such as movable and automatic vacuum system, ex-proof design in ATEX Zone 1 EEx dIIB T4 standards, Temperature measurement system, automatic up and down of the mixer according to the level of the product in the mixing vessel, load-cell weighing system, recipe controlled semi-automatic or fully automatic PC / PLC control system.

Machine Type	SMPK 100-I	SMPK 500-I	SMPK 1000-I	SMPK 1250-I	SMPK 1500-I	SMPK 2000-I
Disperser (Kw)	30	30	45	55	55	75
Planetary Mixer (Kw)	22	22	30	45	45	55
Disperser Speed (rpm)	0-1500	0-1500	0-1500	0-1500	0-1500	0-1500
Planetary Mixing Speed (rpm)	0-80	0-80	0-80	0-80	0-80	0-80
Total Volume (Lt)	100	500	1000	1250	1500	2000
Efficient Volume (Lt)	20 - 80	100 - 400	200 - 800	250 - 1000	300 - 1200	400 - 1600