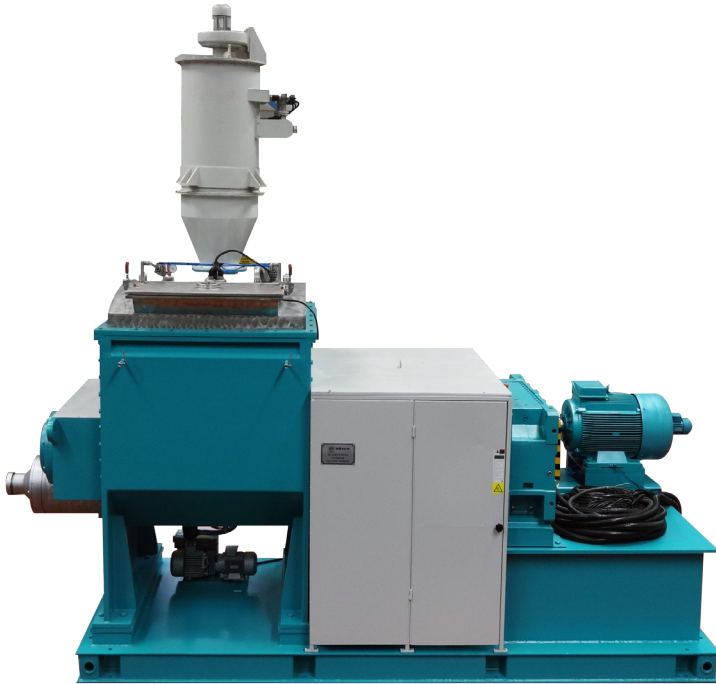


## 4. ZET-MIXER MACINES

### 4.1. SHK SERIES ZET-MIXER MACHINES

#### AREAS OF USE

Zet-Mixer machines are used in the manufacturing of high-viscosity products like hotmelt adhesives, rubber, bmc and smc compound, glass fiber reinforced products, lining production industries, solid fuels and heavy plastisols. Rotation of the specially shaped "Z" mixing pallets with a horizontal mixing system in the vessel at different speeds and in both directions, provides an extremely homogenous kneading and mixing. For this reason, they are widely preferred in the food industry as well.



#### STANDARD SPECIFICATIONS

The internal walls of the mixing vessel made of AISI 304-L quality stainless steel and the mixing pallets made of steel casting are standard. In addition, it is also offered as a standard feature that the product discharge screw (extruder) can work in both directions as well as "Z" mixing pallets. Thanks to the special form of the mixing pallets, it offers an effective mix in a much shorter time than conventional "Z" type mixers. There are two different types of discharge system in the machine. In extruder models, the product inside the vessel is taken out of the vessel with the help of extruder (worm screw). In tilting models, the vessel is rotated at an angle of 110 degrees with the help of pneumatic or, in some models, hydraulic systems, and the product is taken out of the vessel. Zet-Mixer machines are manufactured as laboratory and production models in standard capacities.

#### OPTIONAL SPECIFICATIONS

Double-jacket vessel system for heating or cooling, the mixing pallets with AISI 304 or 316 stainless steel cast-in, the jet filter system, the speed setting of the mixing pallets and extruder systems with a frequency inverter, vacuum systems, ex-proof design in the T4 ATEX Zone 1 EEX dIIB standards, temperature measurement system, recipe controlled semi-automatic or fully automatic PC / PLC control system are optional.

Machine Type	SHK 50	SHK 100	SHK 300	SHK 600	SHK 1000	SHK 2000
Main Engine Power (Kw)	3 - 11	5,5 - 22	11 - 30	22 - 55	45 - 90	90 - 132
Extruder Power (Kw)	1,5 - 5,5	2,2 - 7,5	4 - 15	5,5 - 22	22 - 30	37 - 55
Mixing Speed (d / d)	20 - 30	20 - 30	20 - 30	20 - 30	20 - 30	20 - 30
Total Volume (Lt)	50	100	300	600	1000	2000
Efficient Volume (Lt)	13 - 35	25 - 68	75 - 205	150 - 420	250 - 700	500 - 1400