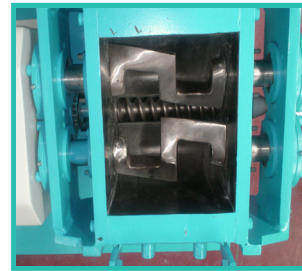


## 9. LABORATORY EQUIPMENT

### 9.3. SHKL SERIES LABORATORY TYPE ZET-MIXER MACHINES

#### AREAS OF USE

These mixers are produced for laboratories for pilot production in the tests or development of products whose viscosity pretty high like hotmelt adhesives, rubber, bmc and smc pulp, glass fiber reinforced products, lining manufacturing industries, solid fuels, and heavy plastisols.



#### STANDARD SPECIFICATIONS

Designed for laboratories, this type of zet-mixer machine is quite compact. The internal walls of the mixing vessel are made of AISI 304-L quality stainless steel and the mixing pallets are made of steel casting. In addition, the ability of the product discharging screw (extruder) to work in both directions on pallets and extruder models is also offered as a standard feature. 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 hydraulic system in some models 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 06	SHK 3	SHK 5
Main Engine Power (Kw)	0,37-1,5	1,5-3	1,5-4
Extruder Power (Kw)	-	0,37-0,55	0,37-0,55
Mixing Speed (rpm)	20 - 30	20 - 30	20 - 30
Total Volume (Lt)	0,6	3	5
Efficient Volume (Lt)	0,15 - 0,42	0,75 - 2,1	1,25 - 3,5