



Since 1946

THE RIGHT CHOICE OF EXCELLENCE

"PROFESSIONAL SOLUTIONS FOR SUSTAINABLE SUCCESS"

"Company Profile and **History...**"



www.sozer.com

1946

Ali Sözer establishes Sözer Machinery with the name "Sözer Motopomp and Machinery Industry, Ali Sözer and His Sons" in his 20 m² workshop in Karaköy, Istanbul. He graduated from the Lathe Section of the Sultanahmet Art School, which was one of the best schools of that era.

1956

Production and service of different pumps used for various purposes is continued in 3 different workshop in Istanbul Küçük Mustafa Paşa.

1965

It moves the production to the 170 m² workshop in Eyüp, Istanbul.

1971

Apart from the existing business field, the company makes the first "mixer paint mixing machine" production by switching to the production of paint production machines of various types and capacities.

1986

Growing unabated, the company performs its first export operation.

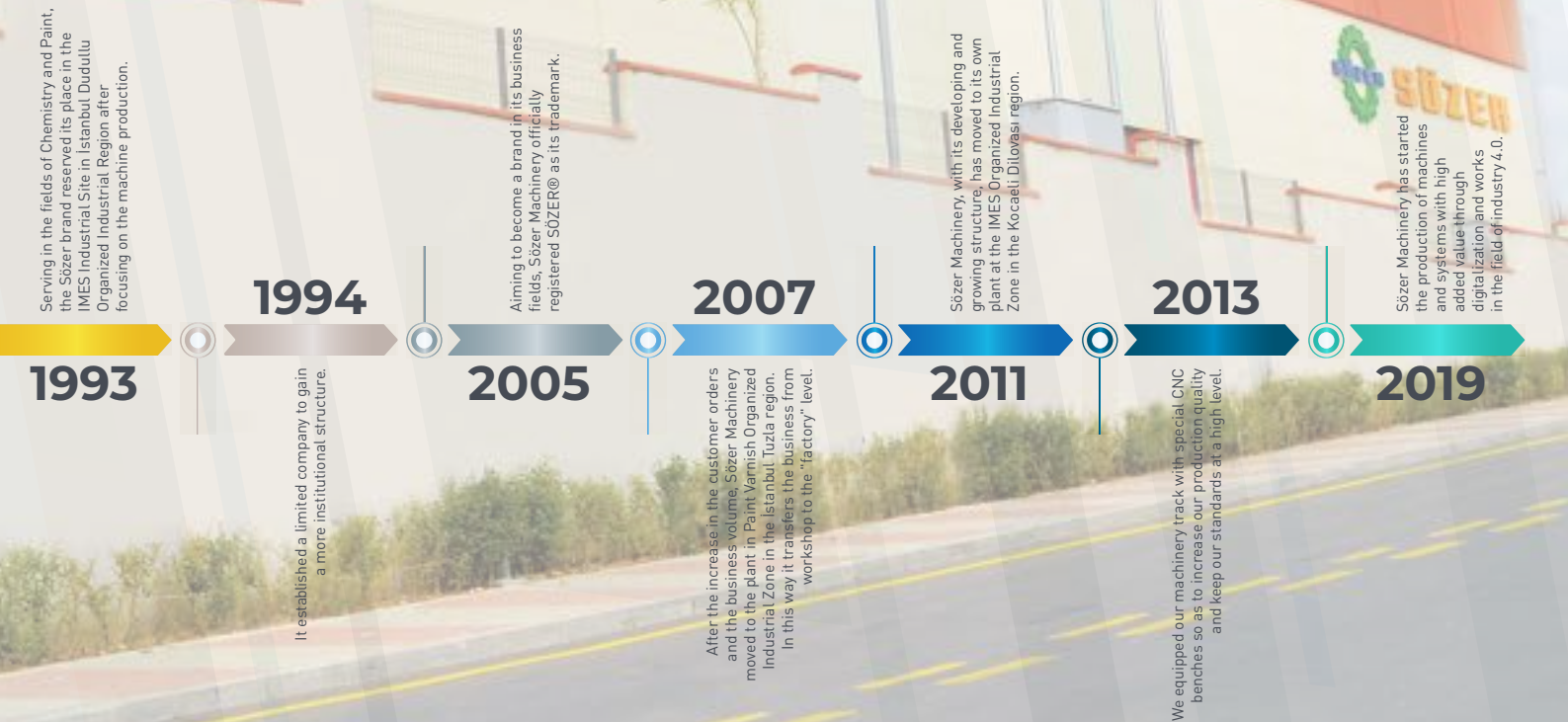
SÖZER MACHINERY, whose foundations were laid in 1946, has been a model company in the production of domestic machinery in Turkey since the second half of the 1900s. In addition to the production of multi-purpose machines and components in the sectors we serve, we can provide design, project design and consultancy services through our extensive knowledge and experience.

In its innovative and wide-range products, **SÖZER MACHINERY** assumes a strong sense of responsibility in each machine or turnkey project, covering every activity from the initial design stage to the installation and operation procedures of the machines. Since it was founded, the company has assured "robust and reliable" machines that would satisfy its business partners for many years.

SÖZER MACHINERY exports approximately 70% of its annual production today. As of the end of 2019, it shares its manufacturing technology and services with contacts in 52 different countries worldwide. Our specialized engineers and technicians perfectly provide design, project design, production after-sale services.

As **SÖZER MACHINERY**, we want to be the solution to your sectoral needs and projects both with our independent machine solutions and with our turnkey projects.

We wish to work with you to realize your projects.



*"The values that define **Sözer Machinery...**"*



Professional
Engineering
Safe
Production

www.SOZER.com

Professional Solutions for Sustainable Success...

to become a preferred brand in the market within the frame of legislation and awareness of responsibility by providing innovative and solution-oriented services to our customers, employees and business partners with our knowledge and strong experience in our operational field.



MISSION

VISION

Our customers **are our benefactors.** Our aims are to find the better, make more qualified, never forget the business ethic and honesty, and get older without becoming obsolete. We want to become stronger and make contribution to the Turkish economy.



PRINCIPLES

The resource we have are to raise the information and technology to a higher level, to use them for customers and business partners, to make differences and policies on behalf of ourselves and for our country and leave lasting superiorities all over the world.

QUALITY POLICY

SÖZER MACHINE INDUSTRY, thinking global and make decision in the local; sees the Total Quality Management as a never-ending lifestyle and journey together with our **"employees"**, **"our partners"**, **"our customers"**, **"our suppliers"**, **"environment"**, **"technology"**, and **"our society"**.

Our principles include the realization of all processes at international quality level and continuous improvement of these processes with the participation of employees, protection of the environment during our activities, manufacturing of the products in the most appropriate manner and in line with the economic and technical requirements of our customers. As a requirement of Quality Management Systems ISO 9001:2008, 14001;2004, 18001:2007, which aims to control every stage of the business process, we aim at high quality and efficiency, low cost and timely delivery.

THE FIELDS WHERE OUR MACHINES ARE USED

- Industrial Paint
- Automotive Paint
- Marine Paint
- Pigment Paste and Coloring Products
- Construction Chemicals
- Wood Varnishes
- Silicone, Paste, Sealant and Seal Compounds
- Printing and Silkscreen Inks
- Hotmelt and Various Adhesives
- Leather Chemicals and Artificial Leather
- Composite Based Products
- Plant and Agricultural Products
- Cosmetic Products
- Plastisol and Various Coatings
- Ceramic Products
- Insulation and Fillers
- Food Products
- Pharmaceutical and Biochemical Industry Products
- Rubber, BMC, SMC Composite Compounds
- Ready-Made Plaster Products
- Interior and Exterior Cladding
- Gas Concrete Products
- Petrochemical Products
- Polyurethane Based Casting Components
- High Viscosity Systems Based On Epoxy and Polysulfide

“THE CORRECT CHOICE OF PERFECTION”



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1.1. SM SERIES HIGH SPEED DISSOLVERS MIXERS

AREAS OF USE

These type of dissolvers are developed to be applied where homogenization and dispersion is needed, such as paints, construction chemicals, floor coatings, plasters, printing inks, pigment pastes, adhesives fillers, mastics casting components, composite materials, cosmetic products, food products and pesticides.



STANDARD SPECIFICATIONS

These type of dissolvers are either floor mounted or platform mounted after a certain capacity. They can be used with fixed vessels or movable (mobile) vessels. In addition to our standard models, they can be produced for your projects according to your desired capacity and engine power. They have variable speed adjustment with Frequency Inverter technology. They can move up and down over their bodies with an electro-hydraulic system, and they can make mixing at the desired height. They have cooling engines adapted to the main electric motor, which allows long-term operation at low speeds. It has a time-adjusted mixing ability as a standard specification.

OPTIONAL SPECIFICATIONS

There are some optional specifications like vessel side and bottom scraper system, movable and automatic vacuum system, ex-proof design in ATEX Zone 1 EEx dIIB T4 standards, Double type disc. Temperature measurement system, automatic up and down of the dissolver 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	SM 3-L	SM 10-L	SM 50	SM100	SM 200	SM 300	SM 500	SM 1	SM 2
Main Motor (Kw)	1,1-1,5	1,5-3	4-7,5	5,5-11	7,5-15	11-22	15-45	30-75	55-90
Mixing Speed (rpm)	0-3000	0-3000	0-1500	0-1500	0-1500	0-1500	0-1500	0-1500	0-1500
Total Volume (Lt)	3	10	50	100	200	300	500	1000	2000
Efficient Volume (Lt)	0,6-2,4	2,8	10-40	20-80	40-160	60-240	100-400	200-800	400-1600

* For higher capacity models, see platform type mixers.

1. MIXERS



1.2. SM.2MIL SERIES BUTTERFLY MIXERS

AREAS OF USE

They are used in the production of sealants, printing inks, polyester paste, silicone products, adhesives, wall paste, PU casting compounds. The butterfly mixer works together with the high-speed dispersion disc to ensure mixing, homogenization and dispersion in a short period.



STANDARD SPECIFICATIONS

These type of mixers are either floor mounted or platform mounted after a certain capacity. They can be used with fixed vessels or movable (mobile) vessels. In addition to our standard models, they can be customized for your projects according to your desired capacity and engine power. They have double-shaft designs. The mixing shaft speeds are set independent of each other, while the frequency inverter technology has variable-speed adjustment. The side scraper system is available as a standard specification. They can move up and down over their bodies with an electro-hydraulic system, and they can make mixing at the desired height. The cooling engines that allow long-term operation at low speeds and time-adjusted mixing ability as a standard specification.

OPTIONAL SPECIFICATIONS

Movable and automatic vacuum system, ex-proof design in ATEX Zone 1 EEx dIIB T4 standards, Double-type disc, 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 full automatic PC / PLC control system are optional.

Machine Type	SM 10-2MIL	SM 100-2MIL	SM 300-2MIL	SM 500-2MIL	SM 1-2MIL	SM 2-2MIL	SM 3-2MIL	SM 5-2MIL
Disperser (Kw)	1,5 - 3	5,5 - 11	11 - 22	15 - 45	30 - 75	55 - 90	75 - 110	90 - 132
Butterfly Mixer (Kw)	4 - 5,5	7,5 - 15	15 - 30	30 - 55	55 - 90	75 - 110	90 - 132	110 - 162
Disperser Speed (rpm)	0 - 3000	0 - 1500	0 - 1500	0 - 1500	0 - 1500	0 - 1500	0 - 1200	0 - 1200
Butterfly Speed (rpm)	0 - 700	0 - 300	0 - 300	0 - 300	0 - 300	0 - 300	0 - 300	0 - 300
Total Volume (Lt)	10	100	300	500	1000	2000	3000	5000
Efficient Volume (Lt)	2 - 8	20 - 80	60 - 240	100 - 400	200 - 800	400-1600	600-2400	1000-4000

1.3. SM.3MIL SERIES TRIPLE-SHAFT MIXERS

AREAS OF USE

Silicone-based products, heavy printing inks, sealants, mastic adhesives, pastes, epoxy and polysulfide based high viscosity systems can be used in all areas where products need to be blended and homogenized in a short time. It has a wide range of applications as high and low speed mixing under vacuum can be applied simultaneously.



STANDARD SPECIFICATIONS

These type of mixers are either floor mounted or platform mounted after a certain capacity. They can be used with fixed or mobile vessels. In addition to our standard models, they can be customized in accordance with your capacity and motor power for your projects. They have triple-shaft designs. The mixing shaft speeds are independent of each other and the frequency inverter technology has a variable-speed adjustment. Side scraper system and vacuum system are standard features. They can move up and down over their bodies with an electro-hydraulic system, and they can make mixing at the desired height. The cooling engines that allow long-term operation at low speeds and time-adjusted mixing ability as a standard specification.

OPTIONAL SPECIFICATIONS

Ex-proof design in ATEX Zone 1 EEx dIIB T4 standards, Double-type disc, 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 are optional.

Machine Type	SM 10-3MIL	SM 100-3MIL	SM 300-3MIL	SM 500-3MIL	SM 1-3MIL	SM 1,5-3MIL	SM 2-3MIL	SM 3-3MIL	SM 5-3MIL
Disperser (Kw)	1,5 - 3	5,5 - 11	11 - 22	15 - 45	30 - 75	45 - 75	45 - 90	55 - 90	75 - 132
Butterfly Mixer (Kw)	4 - 5,5	7,5 - 15	15 - 30	30 - 55	55 - 90	55 - 90	75 - 110	90 - 132	110 - 162
Anchor Mixer (Kw)	0,75 - 1,5	4 - 5,5	7,5 - 11	11 - 15	15 - 30	22 - 45	30 - 55	30 - 55	45 - 55
Disperser Speed (rpm)	0 - 3000	0 - 1500	0 - 1500	0 - 1500	0 - 1500	0 - 1500	0 - 1500	0 - 1200	0 - 1200
Butterfly Speed (rpm)	0 - 1000	0 - 400	0 - 400	0 - 400	0 - 400	0 - 400	0 - 400	0 - 400	0 - 400
Anchor Speed (rpm)	0 - 100	0 - 20	0 - 20	0 - 20	0 - 20	0 - 20	0 - 20	0 - 20	0 - 20
Total Volume (Lt)	10	100	300	500	1000	1500	2000	3000	5000
Efficient Volume (Lt)	2 - 8	20 - 80	60 - 240	100 - 400	200 - 800	300-1200	400-1600	600-2400	1000-4000

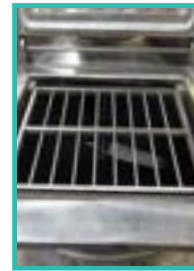
1. MIXERS



1.4. SM.I.SBT SERIES HIGH SPEED STATIONARY DISSOLVERS

AREAS OF USE

The high speed mixer is a compact form of machines produced as a closed system. They are machine types used for the production of paints, construction chemicals, floor coverings, plasters, printing inks, pigment pastes, adhesives, fillers, mastics, casting components, composite materials, cosmetics, food products and pesticides etc.. They can also be used as coloring mixers.



STANDARD SPECIFICATIONS

The stationary mixers, which are often mounted on a platform, can also be mounted on the ground on their feet. They are mixer types suitable for the production of large-capacity products at one time. In addition to our standard models, they can be produced in accordance with your capacity and motor power for your projects. They are mixers with shredder dispersion rotors. High speed stationary mixers are manufactured with frequency inverter technology having a variable-speed adjustment. The cooling engines that allow long-term operation at low speeds and time-adjusted mixing specifications are standard.

OPTIONAL SPECIFICATIONS

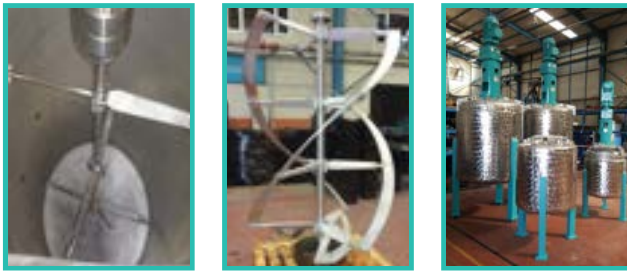
The side scraper system, automatic vacuum system, the ex-proof design in ATEX Zone 1 EEX dIIB T4 standards, double-type disc, temperature measurement system, load-cell weighing system, recipe controlled semi-automatic or fully automatic PC / PLC control system are optional.

Machine Type	SM 500-I.SBT	SM 1-I.SBT	SM 2-I.SBT	SM 3-I.SBT	SM 4-I.SBT	SM 5-I.SBT
Disperser (Kw)	15 - 45	30 - 75	55 - 90	75 - 110	90 - 110	110 - 132
Disperser Speed (rpm)	0 - 1500	0 - 1500	0 - 1500	0 - 1500	0 - 1200	0 - 1200
Total Volume (Lt)	500	1000	2000	3000	4000	5000
Efficient Volume (Lt)	100 - 400	200 - 800	400 - 1600	600 - 2400	800 - 3200	1000-4000

1.5. SM.A.SBT SERIES STATIONARY LOW SPEED (AGITATOR) MIXERS

AREAS OF USE

Low-speed (agitator) mixer machines equipped with heavy-duty power are widely used in all areas where products under heavy industrial conditions require intensive and homogeneous mixing at low speeds. With its superior service factor and strong motor-reducer structure, it provides a homogeneous mixture in a very comfortable way even under the most severe conditions. They are also used for gas concrete production, base and coloring mixer and stocking tanks. They are the preferred mixer types for the production or storage of high tonnage products.



STANDARD SPECIFICATIONS

Low-speed stationary mixers, which are often mounted on a platform, can also be mounted on the ground on their feet. During the mixing process, the strong structure and design of the mixing wings make difficult mixing conditions very simple. Top and bottom housing of the mixing shaft provides extra strength to itself. Easy dismantling and installing of the mixing shaft makes the maintenance easier. In addition to our standard models, they can be customized for your projects according to your desired capacity and motor forces. They are mixers with various designs of wing or pallet structures. Mixing is made very effectively with special engineering plastics at the ends of these wings, having a larger surface area and higher strength than the wings. The mixing speed can be either a fixed speed or adjustable speed with frequency inverter-technology.

OPTIONAL SPECIFICATIONS

Ex-proof design in ATEX Zone 1 EEx dIIB T4 standards, Double-type disc, 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 are optional.

Machine Type	SM 1-A.SBT	SM 2-A.SBT	SM 3-A.SBT	SM 4-A.SBT	SM 5-A.SBT
Agitator (Kw)	2,2 - 11	5,5 - 15	7,5 - 22	11 - 30	15 - 30
Agitator Speed (rpm)	0 - 20	0 - 45	0 - 45	0 - 60	0 - 60
Total Volume (Lt)	1000	2000	3000	4000	5000
Efficient Volume (Lt)	200 - 800	400 - 1600	600 - 2400	800 - 3200	1000-4000

1. MIXERS

1.6. SM SERIES PLATFORM TYPE MIXERS

AREAS OF USE

It is a model of high-speed mixer machines designed in high capacities for platforms. They are used in the production of paints, construction chemicals, floor coverings, plaster, printing inks, pigment pastes, adhesives, padding materials, mastics; casting components, composite materials, cosmetic products, food products, and pesticides, etc..



STANDARD SPECIFICATIONS

In platform type mixers, production can be made in 1,2,3 or 4 vessels with a single machine. They are ideal mixers for large capacity productions. In addition to our standard models, they can be produced for your projects according to your desired capacity and engine power. Frequency inverter technology, on the other hand, has variable-speed adjustment. They can move up and down over their bodies with an electro-hydraulic system, and they can make mixing at the desired height. They have cooling engines adapted to the main electric motor, which allows long-term operation at low speeds. It has a time-adjusted mixing ability as well.

OPTIONAL SPECIFICATIONS

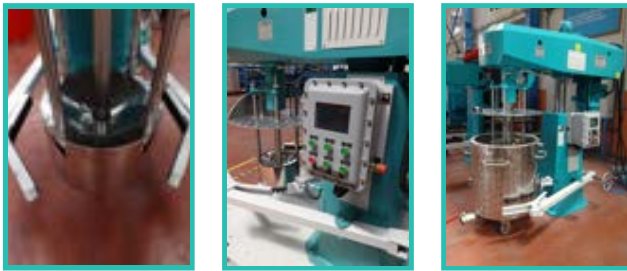
Many specifications are optional such as vessel side and bottom scraper system, movable and automatic vacuum system, ex-proof design in ATEX Zone 1 EEx dIIB T4 standards, Double-type disc, Temperature measurement system, automatic up and down of the mixer according to the level of the product in the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

Machine Type	SM 1-I	SM 2-I	SM 3-I	SM 4-I	SM 5-I	SM 7-I	SM 8-I	SM 10-I
Disperser (Kw)	30 - 75	55 - 90	75 - 90	90 - 110	110 - 132	132 - 160	160 - 200	185 - 315
Disperser Speed (rpm)	0-1500	0-1500	0-1200	0-1200	0-1200	0-1200	0-1200	0-1200
Total Volume (Lt)	1000	2000	3000	4000	5000	7000	8000	10000
Efficient Volume (Lt)	200 - 800	400 - 1600	600 - 2400	800 - 3200	1000 - 4000	1400 - 5600	1600 - 6400	2000 - 8000

2.1. SBM SERIES BASKET-MILL MACHINES

AREAS OF USE

They are widely used in the production of industrial paints, automotive repair paints, marine paints, leather paints, wood varnishes, various coatings, printing inks, screen printing inks, ceramic products, herbal pesticides, wax based materials and pigment and colorants where wet milling is required.



STANDARD SPECIFICATIONS

The milling basket with a superior wet milling feature used in the machine is designed to ensure a high milling efficiency of the product. Thanks to its high-efficiency product flow, the disc, which acts as a pump, which is located under the milling basket and contributes to dispersion, has the ability to complete the operation effectively in a short time. Both the milling basket and the jacket of the vessel provide effective temperature control. All surfaces in contact with product are made of stainless steel. The milling beads in the basket play a huge role in this machine. It has a variable-speed adjustment with the frequency inverter technology. Aside from the ability to move up and down over their body with the electro-hydraulic system, they have the ability to mill at the desired height. There are cooling motors that are adapted to the main electric motor, allowing long-term operation at low speeds. Time-adjusted milling and temperature measuring system are standard.

OPTIONAL SPECIFICATIONS

Mobile and automatic vacuum system, ex-proof design in ATEX Zone 1 EEX DIIb T4 standards, load-cell weighing system, recipe controlled semi-automatic or fully automatic PC/PLC control system are optional.

Machine Type	SBM 10-L	SBM 100-I	SBM 300-I	SBM 500-I	SBM 1-I	SBM 2-I
Main Engine Power (Kw)	1,5 - 3	11 - 22	15 - 22	22 - 37	37 - 75	55 - 90
Milling Speed (rpm)	0-3000	0-1500	0-1500	0-1500	0-1000	0-1000
Total Volume (Lt)	10	100	300	500	1000	2000
Efficient Volume (Lt)	2 - 8	20 - 80	60 - 240	100 400	200 - 800	400 - 1600

3. PLANETARY MIXER MACHINES

3.1. SPK SERIES PLANETARY MIXER MACHINES

AREAS OF USE

The planetary mixers are machines which are often preferred in the manufacturing of products having medium-range viscosity. They are commonly used in the pharmaceutical and food sector as well as in the production of construction chemicals, paste, silicone, sealant, pastry, sealing and sealing components, adhesive, plastisol and polyurethane based products.



STANDARD SPECIFICATIONS

In addition to rotating around its own axis, these machines with a planetary mixing system have two mixing shafts that move around in the vessel by rotating the block to which it is connected. 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 at various angles on these shafts. 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. It has a variable-speed adjustment with the frequency inverter technology. 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. Time adjusted mixing is a standard specification.

OPTIONAL SPECIFICATIONS

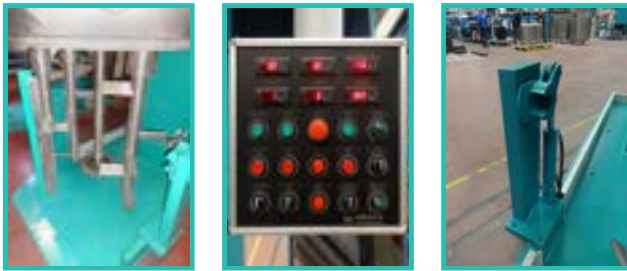
There are some optional specifications such as movable and automatic vacuum system, ex-proof design in ATEX Zone 1 EEx dIIB T4 standards, Double-type disc, Temperature measurement system, automatic up and down of the mixer according to the level of the product in the mixing vessel, load-cell weighing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

Machine Type	SPK 50-I	SPK 250-I	SPK 500-I	SPK 1000-I	SPK 1500-I	SPK 2000-I
Main Engine Power (Kw)	2,2 - 5,5	5,5 - 15	15 - 45	30 - 75	45 - 90	55 - 110
Mixing Speed (rpm)	0-80	0-80	0-80	0-80	0-80	0-80
Total Volume (Lt)	50	250	500	1000	1500	2000
Efficient Volume (Lt)	10 - 40	50 - 200	100 - 400	200 - 800	300 - 1200	400 - 1600

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

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

5.1. SKBM SERIES HYDRAULIC PRESS-OUT MACHINES

AREAS OF USE

It is widely used to discharge high viscosity products of various specifications from the production vessels or even use with the filling unit. Generally used in the construction chemicals manufacturing sector, the machine is able to press-out even the most intense products out of the vessel without any difficulty and perform filling or discharging process, thanks to its structure and operating system.



STANDARD SPECIFICATIONS

Hydraulic press-out machines which have working principle with electro-hydraulic system can be used not only for vessel discharging but also for filling. Thanks to the filling unit of the machine, it is possible to fill the buckets, cans or cartridges or both at the desired ranges provided that pre-production notification is made. The filling unit makes the filling process in a semi-automatically either volumetric or gravimetric way according to the type and filling range of the product. By specifying the filling range, the filling cylinder diameter is selected, and a specific filling range is presented to the user. It can fill from 500 gr to 30 kg as standard in models with filling unit. They are manufactured to serve vessels of standard and certain capacity of press-out machines. By changing the pressure plate, they can also serve vessels of various diameters. The chemical resistant O-ring seal around the pressure plate, which is suitable for the inner diameters of the vessels, ensures complete sealing. The maximum pressure applied by the hydraulic piston to the product in the vessel through the pressure plate is 180 bar and this pressure is adjustable by the operator depending on the viscosity of the product.

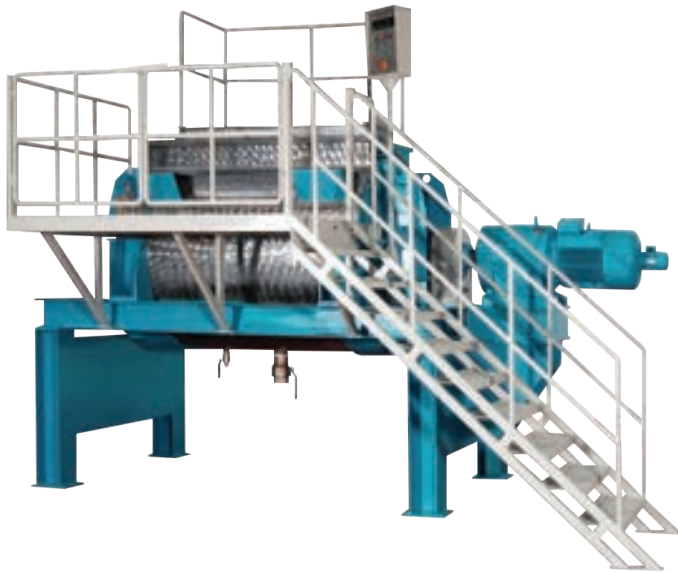
OPTIONAL SPECIFICATIONS

The system that provides the plugging the back of the cartridge in the models with cartridge filling unit, ex-proof design in ATEX Zone 1 EEx dIIB T4 standards, additional filling unit, semi-automatic or fully automatic PC / PLC control system with recipe control are offered as optional features.

Machine Type	SKBM 500	SKBM 1000	SKBM 1500	SKBM 2000
Main Engine Power (Kw)	7,5	7,5	7,5	11
Pressure (Max Bar)	180	180	180	180
Hydraulic Stroke (mm)	1000	1000	1200	1600
Pressure Plate Diameter (mm)	900	1000	300	600
Discharge Volume (Lt)	500	1000	1500	2000

6. HORIZONTAL MIXER MACHINES

6.1. SMP SERIES HORIZONTAL MIXER MACHINES



AREAS OF USE

Horizontal mixer machines are generally used for mixing high viscosity materials with at least a degree of fluidity such as satin plaster, putty, sealant, paste, sealants, polyurethane-based products, and pre-paint application systems. They are also types of machines that can be used to stock finished products. Horizontal mixer machines are an attractive machine type for the production of high viscosity products thanks to their high-power transmission despite their large machine dimensions.



STANDARD SPECIFICATIONS

The horizontal mixer machines have wings placed at regular intervals on the horizontal shaft in the vessel. The arc-shaped pallets at the ends of these arms have polyethylene scraper blades resistant to chemical products. With the help of strong structure arms, the product in the vessel can mix very homogeneously in a very short time. Thanks to the scraper blades, the mixing time is shortened, and the inside of the vessel is peeled off and the cleaning process for the next production is also assisted. As standard, all surfaces in contact with the product are made of AISI 304 quality stainless steel. It has an built-in platform for convenient raw material loading. As a standard, mixing speed can be adjusted with speed control frequency inverter. Cooling system is used to prevent high temperatures and performance degradation of sealing equipment used in Mixer shaft bearings.

OPTIONAL SPECIFICATIONS

Ex-proof design in ATEX Zone 1 EEX DIIb T4 standards, load-cell weighing system, recipe controlled semi-automatic or fully automatic PC/PLC control system are optional.

Machine Type	SMP 1700-I	SMP 2500-I	SMP 3500-I	SMP 7000-I
Main Engine Power (Kw)	22	30	37	55
Mixing Speed (rpm)	0-35	0-35	0-35	0-35
Total Volume (Lt)	1700	2500	3500	7000
Efficient Volume (Lt)	340 - 1360	500-2000	700-2800	1400-5600

7.1. SHSM SERIES PLASTER MIXER MACHINES

AREAS OF USE

Plaster mixer machines are generally used for the homogeneous and effective mixing of the products which are denser than the paint containing the particles such as sand or aggregate in plaster style, which is used in exterior coating applications. Since the mixing process is carried out at a low speed, sand and aggregate-like particles can be mixed very homogeneously in the mixture.



STANDARD SPECIFICATIONS

Plaster mixer machines are designed in two different ways: fixed or movable models. Fixed models are usually placed on the platform because of their large capacity. In the movable models, the machine can be manufactured with electro-hydraulic system, which can move up and down over its own body or serve up to four around the machine. In the plaster mixer machines with low-speed mixing system, the mixing process is carried out by the angled conical cups. In addition to our standard models, they can be produced in accordance with your desired capacity and engine power according to your projects. Time-adjusted mixing is a standard feature.

OPTIONAL SPECIFICATIONS

The edge and base scraper system, automatic vacuum system, the ex-proof design in ATEX Zone 1 EEX dIIB T4 standards, temperature measurement system, weight measuring system, recipe controlled semi-automatic or fully automatic PC / PLC control system are optional.

Machine Type	SHSM 1	SHSM 2	SHSM 3	SHSM 5	SHSM 8
Main Engine Power (Kw)	15-30	18,5-45	22-55	30-75	45-90
Mixing Speed (rpm)	0-500	0-500	0-500	0-500	0-500
Total Volume (Lt)	1000	2000	3000	5000	8000
Efficient Volume (Lt)	200-800	400-1600	600-2400	1000-4000	1600-6400

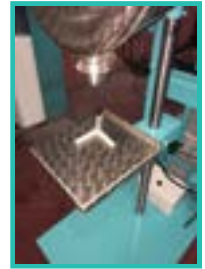
8. FILLING AND WEIGHING MACHINES



8.1. STM - P SERIES LIQUID PRODUCT FILLING AND WEIGHING MACHINES

AREAS OF USE

In addition to being used for paint filling and weighing, especially in the chemical industry, these are the types of machines in which all kinds of liquids of suitable viscosity with fluidity in the cosmetic and food industry are weighed first and then semi-automatically filled. Liquid product filling and weighing machines are quite serial, practical and easy to clean machines. It is capable of filling and weighing up to 6 - 30 pieces per minute (depending on the volume of the product container to be filled and the viscosity of the product) in any desired range from 500 gr to 30 kg.



STANDARD SPECIFICATIONS

The machine is equipped with a pumping system as standard. The level detection system in its own filling vessel automatically activates and deactivates the pump until the product in the production vessel runs out and keeps the filling tank full. Weighing and filling quantity inputs are made electronically with the help of the load cell and indicator system which is standard. An intelligent indicator system makes automatic calibration for each filling and performs very precise filling. All surfaces that come into contact with liquid such as machine vessel, filling nozzles, level measuring rod are manufactured from AISI 304-L quality stainless steel material. The machine is supplied with two different filling nozzles for small and large fillings. The machine is manufactured on a wheeled chassis as standard. Therefore, it can be moved to the desired location. The height of the weighing scale in which the empty container is placed is designed to be adjustable. The machine needs 6 bars of compressed air to operate.

OPTIONAL SPECIFICATIONS

Different sizes of nozzle systems, lid closing and conveyor lines, ex-proof design in ATEX Zone 1 EEX dIIBT4 standards, recipe controlled semi-automatic or fully automatic PC/PLC control system are optional.

Machine Type	STM-P
Weighing Range (Kg)	0,5 - 30
Pump Power (KW)	3 - 5,5
Vessel Volume (Lt)	200
The Necessary Air Pressure (Bar)	6

8.2. STM-PTY SERIES INTENSIVE PRODUCT FILLING AND WEIGHING MACHINES

AREAS OF USE

Especially in the chemical industry, it is a type of machine where products such as putty, grease, printing ink, which have high viscosity without their own fluidity, are first weighed and then semi-automatically filled. Intensive product filling and weighing machines are very fast, practical and easy to clean. It is capable of filling and weighing up to 6 - 30 pieces per minute (depending on the volume of the product container to be filled and the viscosity of the product) in any desired range from 500 gr to 30 kg.



STANDARD SPECIFICATIONS

The machine has a helical-eccentric screw pump system as standard. By means of the pump system, the nozzles are fed and ensures the filling to be performed effectively. There are two filling nozzles in the machine as standard. Both filling nozzles have separate load cells and indicators. Thus, both sides can be filled at the same time if desired. Thanks to the smart indicator system, automatic filling can be performed in every filling and very precise filling can be realized. The machine is supplied with two different filling nozzles for small and large fillings. The height of the weighing scale in which the empty container is placed is designed to be adjustable. The machine needs 6 bars of compressed air to operate.

OPTIONAL SPECIFICATIONS

Different sizes of nozzle systems, lid closing and conveyor lines, ex-proof design in ATEX Zone 1 EEX dIIBT4 standards, recipe controlled semi-automatic or fully automatic PC/PLC control system are optional.

Machine Type	STM-PTY
Weighing Range (Kg)	0,5 - 30
Pump Power (KW)	7,5 - 15
The Necessary Air Pressure (Bar)	6

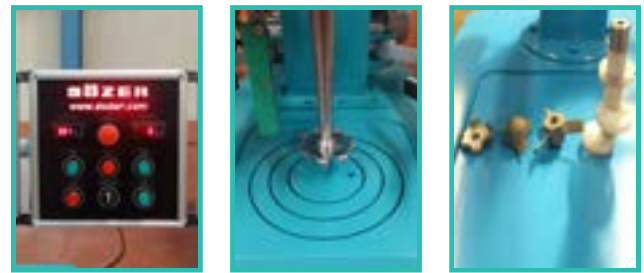
9. LABORATORY EQUIPMENT



9.1. SML SERIES LABORATORY TYPE HIGH SPEED DISSOLVER MACHINES

AREAS OF USE

These mixers developed for laboratories for pilot production purposes in trials or product development where homogenization and dispersion is required such as paints, construction chemicals, floor coatings, plasters, printing inks, pigment pastes, adhesives; fillers, sealants, casting components, composite materials, cosmetic products, food products and pesticides.



STANDARD SPECIFICATIONS

These mixers, designed for laboratories, are very practical and have a very compact design. In addition, it has a very strong design with its own table as standard. In this respect, they can easily perform highly homogeneous mixing, dispersion and milling up to a certain level. As standard, two different diameter mixer propellers are supplied with the machine. In addition to our standard models, they can be manufactured for your projects according to your desired capacity and engine power. It has variable-speed adjustment with the frequency inverter technology. It has a time-adjusted mixing property.

OPTIONAL SPECIFICATIONS

Different types of mixing equipment, the specification of moving up and down over its own body with an electro-hydraulic system, a scraper system movable on the edge and base, automatic vacuum system, double-type disc propeller, temperature measurement system, the ex-proof design in ATEX Zone 1 EEX dIIB T4 standards, recipe controlled semi-automatic or fully automatic PC / PLC control system are optional.

Machine Type	SM 3-L	SM 10-L	SM 50-L
Main Engine Power (Kw)	0,37 - 2,2	1,1 - 3	3 - 7,5
Mixing Speed (rpm)	0 - 3000 / 6000 / 12000	0 - 3000 / 6000 / 12000	0 - 1500 / 3000
Total Volume (Lt)	3	10	300
Efficient Volume (Lt)	0,6 - 2,4	2 - 8	10 - 40

9.2. SBML SERIES LABORATORY TYPE BASKET-MILL MACHINES

AREAS OF USE

These machines are developed for laboratories for pilot production or test applications where wet grinding and milling is required for the manufacturing of industrial paints, automotive repair paints, marine paints, leather paints, wood varnishes, various coatings, printing inks, screen printing inks, ceramic products, herbal and agrochemicals, wax-based materials and pigment and coloring products.



STANDARD SPECIFICATIONS

This type of basket-mill machines designed for laboratories is very practical and compact. Milling basket with a superior wet milling feature, which is used in the machine, has been designed to ensure high milling of the product. Thanks to its high-efficiency product flow and the propeller operating under the milling basket which also contributes to dispersion, it has the feature of completing the operation effectively in a short time. Both the milling basket chamber and the wall of the vessel provide effective temperature control. All wet surfaces are made of stainless steel. The milling beads in the basket play a large role in this machine. The frequency inverter technology has variable-speed adjustment. Time adjustment and temperature measurement systems are standard.

OPTIONAL SPECIFICATIONS

The ability of moving up and down over its own body with an electro-hydraulic system, mobile and automatic vacuum system, ex-proof design in ATEX Zone 1 EEX dIIB T4 standard, recipe controlled semi-automatic or fully automatic PC / PLC control system are offered as optional features.

Machine Type	SBM 3-L	SBM 10-L	SBM 50-L
Main Engine Power (Kw)	0,55 - 3	1,5 - 4	4 - 11
Milling Speed (rpm)	0-3000	0-3000	0-1500
Total Volume (Lt)	3	10	50
Efficient Volume (Lt)	0,6 - 2,4	2 - 8	10 - 40

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

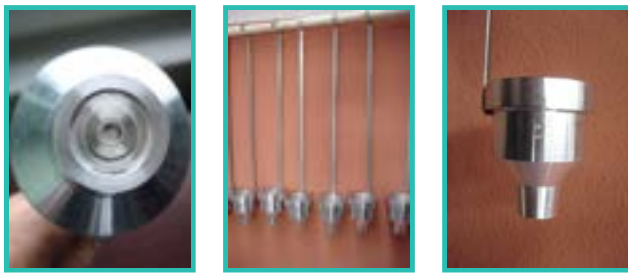
Double-jacket vessel system for heating or cooling, the mixing pallets with AISI 304 or 316 stainless steel cast-in, the jet filter system, the speed setting of the mixing pallets and extruder systems with a frequency inverter, vacuum systems, ex-proof design in the T4 ATEX Zone 1 EEX dIIB standards, 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

9.4. SDC SERIES DIN VISCOSITY FLOW CUPS

AREAS OF USE

It is widely used for fast and efficient comparison of low viscosity fluids in the laboratory. It is often preferred to measure the viscosity of products such as paint, varnish, and ink.



STANDARD SPECIFICATIONS

The main body is manufactured from rigid aluminum in accordance with DIN 53211 standards in the CNC machining center. The hole orifice made of stainless steel is placed in the Din Cup outlet hole with an accuracy of ± 0.02 mm. The Din Cup is completely polished inside and out, minimizing waste of time in terms of cleaning. The viscosity of any liquid to be measured is expressed as the time of passage through a certain hole diameter from the Din Cup with a volume of 100 ml. Keeping the inner geometry and structure of the cup as same, the outlet holes can be manufactured as 2, 3, 4, 6 and 8 mm as standard. The time of transition is measured by the chronometer.

OPTIONAL SPECIFICATIONS

The tripod carrier on which Din Cup will be placed, the handle to be used by dipping in to the product are optional.

Product Type	SDC 2	SDC 3	SDC 4	SDC 6	SDC 8
Hole diameter (mm)	2	3	4	6	8
Viscosity Range [Centipoise]	10 - 50	35 - 300	50 - 800	300 - 1500	500 - 500

* Values applies to materials that are between transition time 20-200 sec.

10. AUXILIARY EQUIPMENT



10.1. SM KK SERIES MIXING VESSELS AND STOCKING SILOS

AREAS OF USE

Mixing vessels and storage silos, designed as low and high capacity, are used for production with different types of mixer machines as well as for the transportation of the mixing product from one place to another or for stocking of finished products and raw materials. While the low capacity mixing vessels are used as mobile, i.e. with wheels on the base, the high capacity vessel models are designed to be placed on the platform or stand on their own support legs.



STANDARD SPECIFICATIONS

Mobile, i.e. wheeled, vessels are generally preferred up to 2000 liters. The models with capacities over 2000 liters are used as bottom dished, fixed legs, placed on the floor or installed on the platform. The outlet sleeve of the wheeled type is located at the point where the vessel base and the side wall meet, and in the leg or platform-mounted types, it is located in the center of the bottom dish. As standard, wheeled vessels have catch bars on their sides to move the vessel. Vessel capacities are manufactured from 1 liter to 10,000 liters for use in production and from 1,000 liters to 40,000 liters for use in stocking. Vessels are generally made of AISI 304-L stainless steel material. It is also possible to make a material choice according to the chemical structure of the product.

OPTIONAL SPECIFICATIONS

AISI 316 quality stainless steel or different types of stainless-steel materials can be preferred as the production material. Vessel designs can be optionally customized to your production process. Vessels can be manufactured with double jacket as an option for heating and cooling purposes. Special valves can be installed on the vessel outlet sleeves as an option. The vessels can be designed to hold vacuum and the wheel materials can be selected in different types in mobile vessels.

10.2. SPVR SERIES DISSOLVER MACHINE DISCS

AREAS OF USE

The mixing discs, which give the mixing and dispersion ability to the machine and suitable for working at high speeds during the production of low and medium viscosity products with dissolver machines, are widely used in almost all industries.



STANDARD SPECIFICATIONS

The most functional feature is that the dissolver machine discs reach homogeneous mixture in a short time without increasing the temperature of the product to be mixed thanks to the special wing structure. The special structure of the wing angles has also been developed to minimize the dispersion process. \varnothing 40 mm to \varnothing 900 mm in the desired dimensions, 2 mm to 4 mm in various thicknesses as standard AISI 304-L quality stainless steel material is produced as balance free. The discs that are produced are delivered ready to assemble by opening connection holes upon request. In order to obtain the ideal mixture, the mixing disc diameter and the production vessel diameter should be 1/3. The choice of disc diameter is proportional to the motor power of the dissolver, the maximum mixing speed and the diameter of the production vessel. An improperly selected disc leads to loss of dispersion and prolongation of the manufacturing process. Experienced engineers provide the right choice of propeller selection.

OPTIONAL SPECIFICATIONS

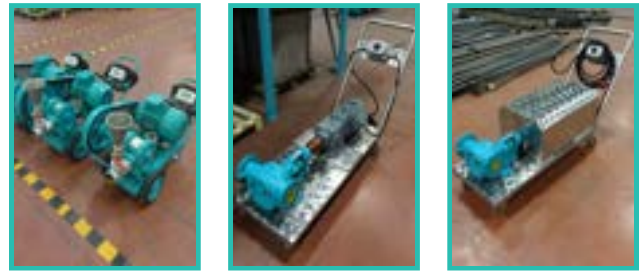
The mixing discs can optionally be manufactured from AISI 316 stainless steel and the fins can be diamond-tipped. Diamond-tipped discs reduce the wear time of the blades to minimum. Double disc turbo disc and window type special disc production can also be made as an optional.

10. AUXILIARY EQUIPMENT

10.3. SDP SERIES LIQUID TRANSFER PUMPS

AREAS OF USE

It is widely used for the transfer of various viscosity liquids, especially any kind of paint or low viscosity chemicals, which can come to the pump inlet with its own fluidity.



STANDARD SPECIFICATIONS

The pump body is completely made of cast iron material and the gear group is subjected to special heat treatment to extend the wear time. Thanks to the special bronze bearings, extremely quiet operation feature is added to the pump. The pump is a forced pump gear. It is manufactured according to various fluidity rates and is manufactured as a single pump or motor-chassis coupled as standard. As standard, it is driven by being coupled to the belt pulley system and electric motor. There is an intake funnel and valve on the inlet side. It has a mobile feature thanks to its wheels under the connection frame. The gears are specially hardened by cementation.

OPTIONAL SPECIFICATIONS

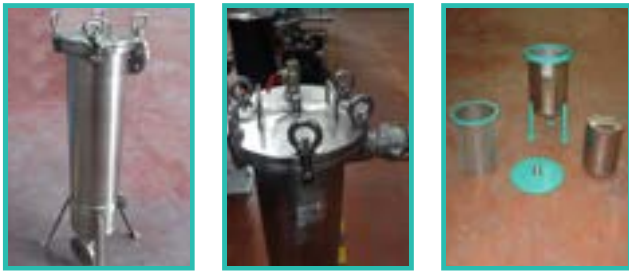
Ex-proof feature in ATEX Zone 1 EEx dIIB T4 standards, production of pump body and gears from stainless material, speed control frequency converter and speed adjustment of the pump are offered as optional properties.

Pump Type	SDP 1 1/4	SDP 2
Engine Power (Kw)	1,1 - 3	2,2 - 4
Capacity (Lt / Hour)	250	750

10.4. SBF SERIES GAF TYPE OR PUMP FILTER UNITS

AREAS OF USE

They are commonly used for the sieving and filtration of foreign substances, unwanted large particles in the product after transferring the products with less viscosity (paint, ink) before or after being transferred from one place to another.



STANDARD SPECIFICATIONS

They are produced in two different types, one is a Gaf type bag filter system and the other is a pump-coupled system. All surfaces that come into contact with the product are manufactured from AISI 304-L quality stainless steel material, including the filter sieve wire. As a standard, the capacity of the filter works completely in proportion to the pump flow rate, thanks to its design, which is established on pressing the filter of the product that is desired to be filtered by a pump. With the easy cleaning possibility, you can switch between colors without wasting time. Product entry to the filter is made from the top. Thanks to the system in the filter, the product entering the filter are directed towards the sieve wire and forced to pass through the sieve. The product passing through the sieve wire flows down the inner surface of the outer chamber by draining towards the filter base and exits through the lower outlet. The filter units are fitted on a flat surface with legs on the outer edge surface as standard. The sieve mesh pore is again 25 mesh as a standard size.

OPTIONAL SPECIFICATIONS

Optional specifications are that filtering sieve wire pore size can be used upon request, all surfaces in contact with the product are produced from AISI 316 quality stainless steel material, the filter unit is pump-coupled.

10. AUXILIARY EQUIPMENT



10.5. SKKU SERIES CAN CLOSING UNITS

AREAS OF USE

It is widely used in all kinds of production industries in the areas where it is necessary to close the can with a cap after the product is filled into the cans with a flip-off cap. It is frequently preferred in chemical industry applications for the closure of cans of various sizes, especially in the paint manufacturing industry. Press and filling machines are among our frequently preferred products.



STANDARD SPECIFICATIONS

The can closing unit is designed for the closure of all plastic buckets or tin cans. It is also possible to work with cans of various sizes with its adjustable feature. Pneumatic driven unit needs 6 Bar compressed air. According to the can dimensions, the closing cylinder group has an adjustment mechanism that enables the up and down movement. There is a brake system to fix the closing cylinder group at the desired height. It is possible to adjust with its own air conditioner which regulates the air pressure. As standard, the system is operated with a pedal or two-hand buttons, thereby the closing table moves downwards, and the lid is easily closed.

OPTIONAL SPECIFICATIONS

They are optional with roll or motor band systems.

10.6. SSE SERIES VIBRATING SIEVE UNITS

AREAS OF USE

They are machinery products widely used in the process of filtering and sorting of all kinds of viscous products with their own fluidity, through the method of vibrating.



STANDARD SPECIFICATIONS

Filtering and sorting can be done easily by placing the vibrating sieve unit directly under the product vessel. The unit is manufactured as mobile as a standard. This makes it very practical to use. With its easy cleaning feature, the time to get ready for reuse is reduced to a minimum. All surfaces in contact with the product are polished and made of AISI 304-L stainless steel material. The vibrating sieve part is manufactured as standard on hard rubber mold springs. It is driven by 0,75 kw electric motor as a single model. It rises from the base on three legs. Sieve part can be easily removed and cleaned in color changes. The internal diameter of the sieve is 0450 mm as standard, and the sieve wire pore size is 25 mesh.

OPTIONAL SPECIFICATIONS

Ex-proof in ATEX Zone 1 EEX dIIB T4 standards and optional use of filter wire pore size is offered as optional features.

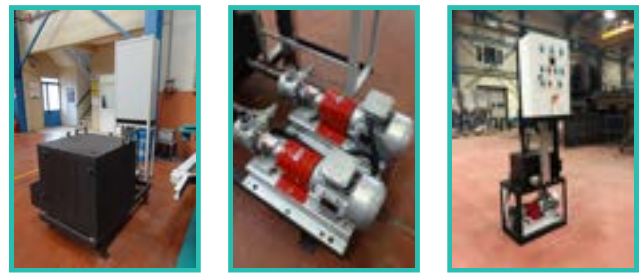
10. AUXILIARY EQUIPMENT



10.7. SKYU SERIES HEAT TRANSFER OIL UNITS

AREAS OF USE

They are widely used in all kinds of industrial production, where it is necessary to give additional temperature to the environment, especially in chemical industry mixer applications, and in the case of heating and circulating the heat transfer oil in double jacket mixer vessels. They are frequently used for heating the circulating oil in order to provide heat transfer in the walls of mixing vessels or in the walls of Zet-Mixer Machines.



STANDARD SPECIFICATIONS

Thanks to the compact structure of the heat transfer oil units, the main feature of the device is that the heat transfer oil temperature is increased to the desired degrees and circulated by means of the pump. The oil is brought to the desired temperature by means of the resistances in the hot oil tank within its structure. The desired temperature is kept constant with the thermostat on the unit. The oil heated by the hot oil pump is circulated by pushing the desired place. They are heat resistant up to 220 degrees. The tank, where the heat transfer oil is hot, is painted with high heat resistant paint. In addition to the standard models, they can be manufactured in different capacity units according to the volume to be heated.

OPTIONAL SPECIFICATIONS

Being Ex-proof in ATEX Zone 1 EEX dIIB T4 standards, PLS control system, selection of heat transfer oil pump capacity and adaptation of backup pump system as bypass line are offered as optional features.

Machine Type	SKYU 100	SKYU 250	SKYU 500
Pump Engine Power (Kw)	0,37	0,75	1,1
Pump Capacity (m3/hour)	0,1	0,75	1,5



11. TURNKEY PROJECTS

PREFERRED AREAS

The basis of turn-key projects lies in the most effective use of advanced technology, high experience and efficiency principles. They are full project works where the engineering, design, and implementation principles are fully applied. It is preferred in future-oriented investments in all production sectors, particularly in the chemical industry thanks to the technological advances. Fully automatic, semi-automatic and manual operating systems can be installed in our full plant projects in line with the request of our business partners. There are differences in the machine tracks used in automatic or manual operating systems. For this reason, the selected machines and auxiliary equipment is designed to operate most efficiently under the high experience and knowledge of our company. We negotiate the architectural project with our business partners who wish a turn-key project and present the most suitable project type to them.



GENERAL SPECIFICATIONS

There are two types of raw material feeding systems that we use extensively in our fully automatic production projects. These are automatic vacuum feeding systems for powder raw materials and automatic pump systems for liquid raw materials. Both feeding systems can be with automatic dosing system. All raw materials are automatically sent to the production mixers via pipelines according to the order and quantity on the prescribed basis. All these operations can be monitored step by step on the central control screen. Within the project, all software and automation processes can be developed and adapted to the project in line with the request of our business partner.

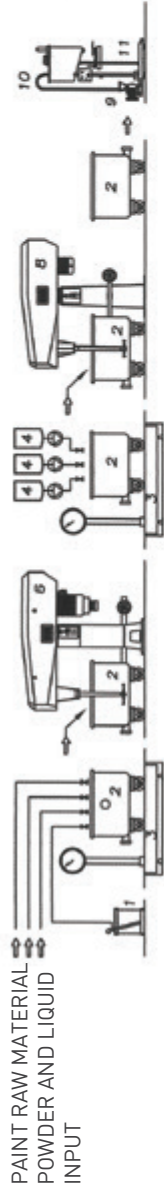
In turn-key projects, manufacturing of silos and tanks, all raw material transfer systems, pipelines, production mixer machines, finished product stock tanks, coloring tanks, filling and packaging lines manufacturing, automation and software systems that will control the whole project constitute the main lines of the project. All weighing and measuring systems used in the projects, PC/PLC systems used in automation and other industrial devices are preferred among the products with the most suitable structure in line with our field experience of more than 70 years. Since all raw materials and products are sent through pipes in our fully automatic projects,

the absence of any dust in the production environment provides a great advantage to the user company. Operator errors and related performance variability are minimized in production lines operating independently of manpower. We offer the pleasure of developing and implementing automation and software under the responsibility of a single company including all machines, devices, silos, tanks, pipelines, weighing and measuring systems, pneumatic control systems and finally the filling-packaging machines used in turn-key projects. In order to get more detailed information about turnkey projects, you can contact our experienced engineers.

PRODUCTION LINE MACHINES AND EQUIPMENT

START 

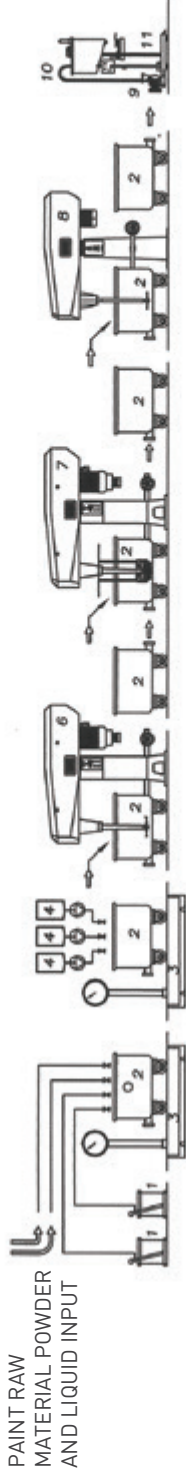
END 



CELLULOSIC (PLASTIC) PAINTS PRODUCTION LINE

START 

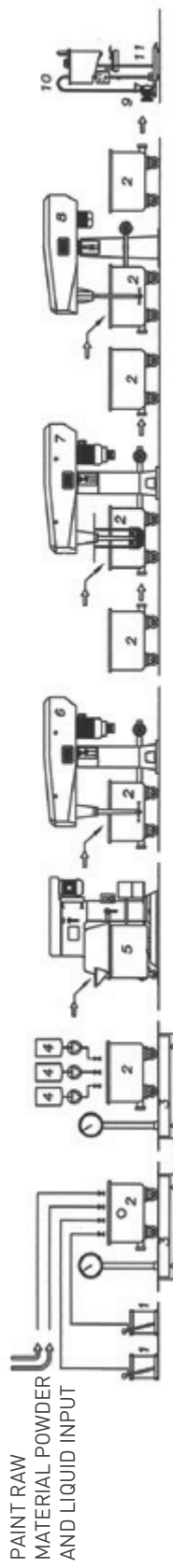
END 



SYNTHETIC (OIL) PAINTS PRODUCTION LINE

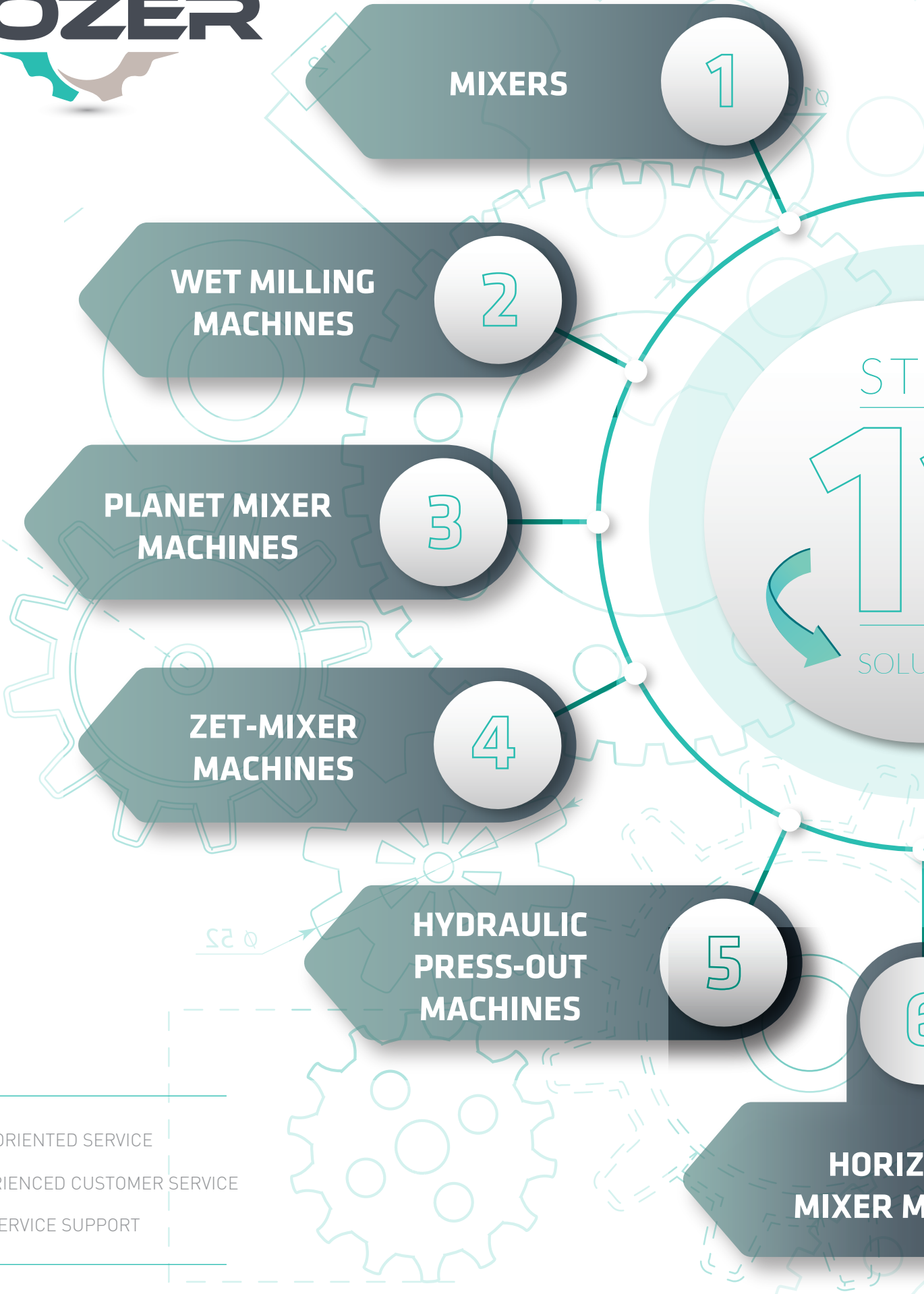
START 




END 



MARINE PAINTS AND INDUSTRIAL PAINTS PRODUCTION LINE

- 1- VESSELS WITH PUMP
- 2- MIXING VESSEL
- 3- SCALE
- 4- BINDER INPUT (SOLVENT, ALKYD)
- 5- PLANETARY MIXER
- 6- MAIN MANUFACTURING MIXER
- 7- BASKET-MILL MILLING MACHINE
- 8- COLORING MIXER
- 9- PUMP
- 10- FILTER
- 11- FILLING MACHINE



-  TIME ORIENTED SERVICE
-  EXPERIENCED CUSTOMER SERVICE
-  24/7 SERVICE SUPPORT

MANUFACTURING
GETTING DEVELOPED
MAKING DEVELOPED

11

TURNKEY
PROJECTS

10

AUXILLARY
EQUIPMENT

9

LABORATORY
EQUIPMENT

8

FILLING AND
WEIGHING
MACHINES

7

PLASTER
MIXER MACHINES

5
HORIZONTAL
MACHINES

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is a company which puts high priority to the customer satisfaction and continues its work based on this principle. Approaching 11 fields in the industry with the slogan

"11 STEPS 11 SOLUTIONS"

the company proved itself with the principle of being a solution rather than a problem and gained the trust.



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WITH THE EXPERIENCE...



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