
KILINC
industry

KILINÇ INDUSTRY, which set out to serve in all stages including the process design of the Industrial Facilities, basic engineering, detail engineering, machinery and equipment production, electrical automation, assembly and commissioning processes and takes its energy from customer satisfaction, offers solutions in the domestic market with alternative designs, decreases the dominance of imported products and contributes to the national economy by preventing high import costs. The main service and production group includes the following;

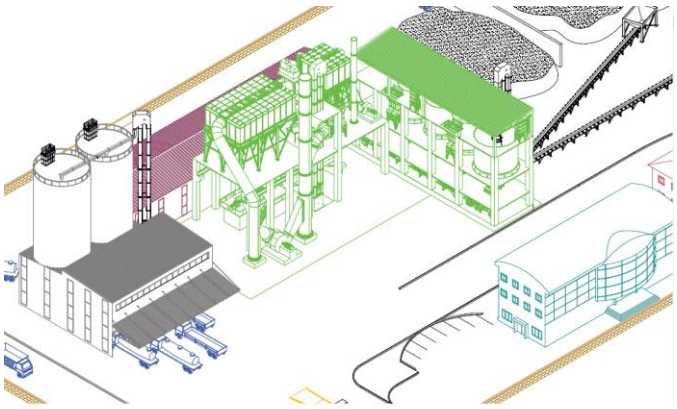
1. CONSULTANCY SERVICES
2. ENGINEERING SERVICES
3. KEY TURN FACILITY INSTALLATION
4. MACHINERY AND EQUIPMENT PRODUCTION
5. TECHNOLOGIC PRODUCTION
6. CONCRETE BATCHING PLANTS
7. CRUSHING AND SCREENING PLANT
8. ELECTRICITY AND AUTOMATION
9. SERVICE AND MAINTENANCE

1. CONSULTANCY SERVICES

KILINÇ INDUSTRY conducts feasibility studies in economic and technical fields such as the technology and equipment selection required, the relationship between investment budget and operating cost, and the suitability of investment time for market conditions for entrepreneurs who decide to invest in the facility. We offer innovative solutions by taking into consideration the changing requirements and competitive conditions of the businesses, guiding the domestic and international investment plans correctly and analyzing all the processes from project planning to commissioning with a realistic perspective and experience.

2. ENGINEERING SERVICES

Focusing on customer satisfaction, **KILINÇ INDUSTRY** offers the following services;



- Process design and basic engineering services
- Preparing P&I diagram,
- Preparing general layout pictures,
- Preparing business plans covering all
- processes,
- Determining the technical characteristics of instruments and equipment,
- Preparing detailed projects,
- Preparing reinforced concrete and steel projects,
- Preparing Mechanical and Technological Manufacturing pictures,
- Piping Engineering,
- Preparing instrumentation and automation projects

3. KEY TURN FACILITY INSTALLATION

Following the new technologies with high production efficiency at home and abroad, **KILINÇ INDUSTRY** offers alternative solutions to its customers for turnkey industrial plant installation projects including engineering, construction works, equipment production, structural and technological steel manufacturing, domestic and international equipment supply, installation and commissioning processes with its expert staff and knowledge.

We continue to work with all our energy to realize projects in many industrial plants, especially in the Cement, Mining, Chemical, Glass Industry and Iron & Steel sectors.

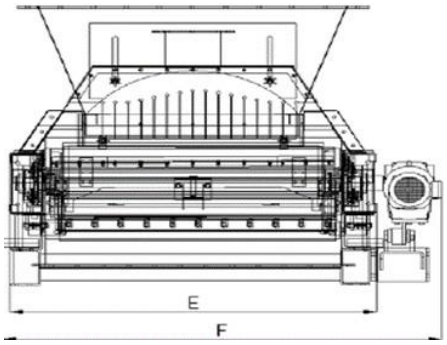
4. MACHINERY AND EQUIPMENT PRODUCTION

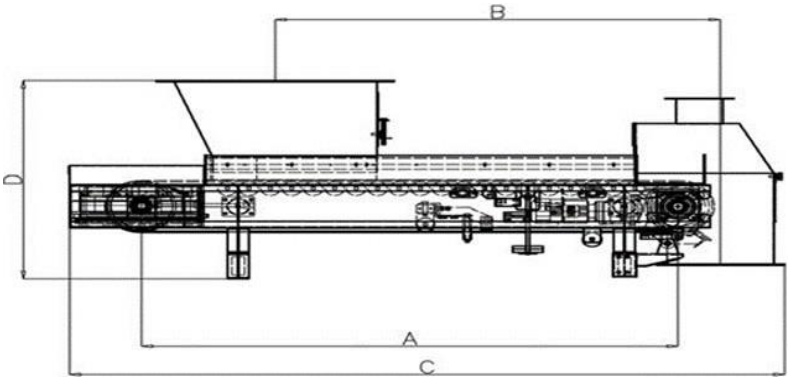
KILINÇ INDUSTRY determines the machines and equipment needed by the enterprises in investment, revision, capacity increase or different process applications according to the needs and presents them to the customers. Operating costs are reduced and machinery and equipment that require less maintenance and downtime directly increase production efficiency thanks to the machinery and equipment group brought into the business by making the right choice in terms of technology and process suitability.
Design and Production group Machinery & Equipment;

4.1. DOSING BELT FEEDER

It is designed to feed the granular materials to the system in accordance with the desired recipe with an accuracy of ± 0.5% - 1% in the capacity range of 0.1 tons to 600 tons / hour.
Dosing Belt Feeder are used especially in Cement Plants, Grinding, Gypsum and Calcite Production Plants, Iron-Steel Factories, Mining and Chemical Plants. The main advantages and equipment of the Dosing Belt Feeder, which directly affects the product quality and production costs of the facilities are as follows;

- ✓ Low service and maintenance costs thanks to its robust and quality equipment,
- ✓ Chassis designed and sized in accordance with the existing system,
- ✓ The use of sealed closed bearings in weighing and carrier rolls that do not require lubrication,
- ✓ Motor and reducer group with high service factor,
- ✓ Optional exproof instrument selection,
- ✓ Adjustable tensioning system,
- ✓ Capability of dosing with ± 0,5% accuracy,
- ✓ Siemens control system,
- ✓ Selection of belt suitable for high temperature material feed,
- ✓ Remote access via Profi-Bus.





SIZE CARD										
	Belt Width mm				Distance Pulley to Pulley P/P in mm					
	800	1000	1200	1400	1800	2000	2500	3000	3500	4000
A	1200	1400	1650	1850	1800	2000	2500	3000	3500	4000
B	1430	1630	1880	2080	1300	1500	2000	2500	3000	3500
C	800	1000	1000	1200	2700	2900	3400	3900	4400	4900
D	1470	1470	1470	1670	1300	1300	1300	1300	1300	1300
E	1220	1420	1620	1790		2900	3400	3900		
F	1500	1700	1900	2220						

P/P	1000	1500	2000	2500	3000	3500	4000	4500	5000	5500	6000
650	•	•	•	•	•						
800		•	•	•	•	•	•				
1000			•	•	•	•	•	•	•		
1200			•	•	•	•	•	•	•	•	•
1400				•	•	•	•	•	•	•	•

4.2. BELT SCALE

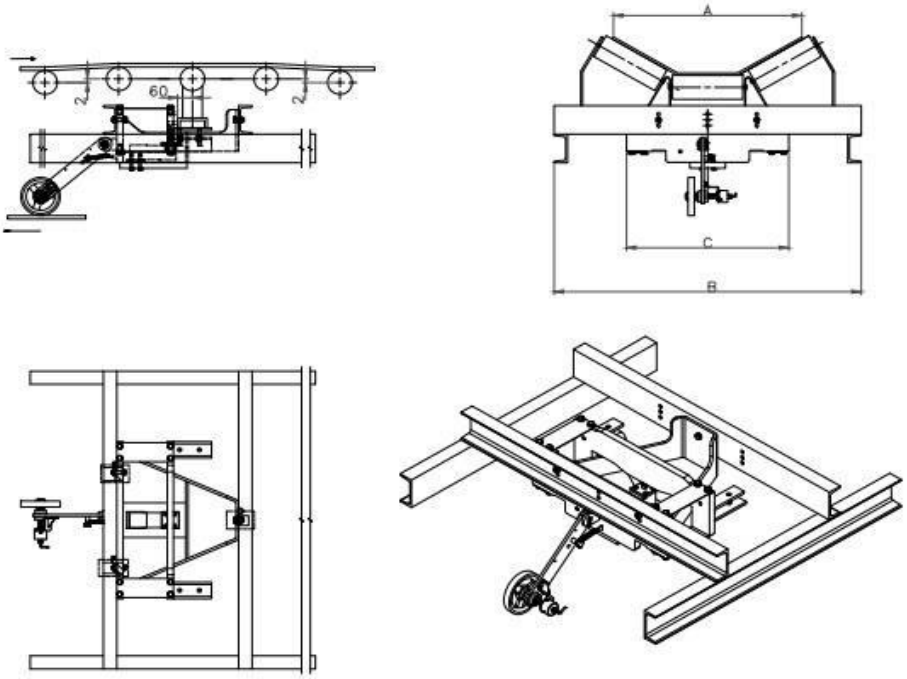
Used in industrial facilities to measure the amount of flow of materials carried by belt conveyor in weight. Belt Scales that can be applied on belt conveyors with a carrying capacity of 6000 t/hour can weigh with an accuracy of ± 1%.

General usage areas include;

- Recording of raw material, intermediate and final product quantities,
- Applications requiring pre-feed control,
- Applications requiring tonnage control and load limit alarm,
- Packaging systems
- Commercial weighing applications.

Advantages and Equipment;

- ✓ Easy assembly to the existing conveyor thanks to its compact structure,
- ✓ Precision weighing load cell,
- ✓ Weighing roll group without balancing,
- ✓ Terminal box for cable connections,
- ✓ Long-lasting galvanized or epoxy paint application
- ✓ Assembly kit,
- ✓ Speed measurement sensor,
- ✓ Easy-to-use controller,
- ✓ Profi-bus communication module.



SIZE CARD

BELT SIZE A (mm)	400	500	650	800	1000	1200	1400
LENGTH B (mm)	700	800	950	1150	1350	1600	1800
LENGTH C (mm)	450	450	450	660	660	660	660

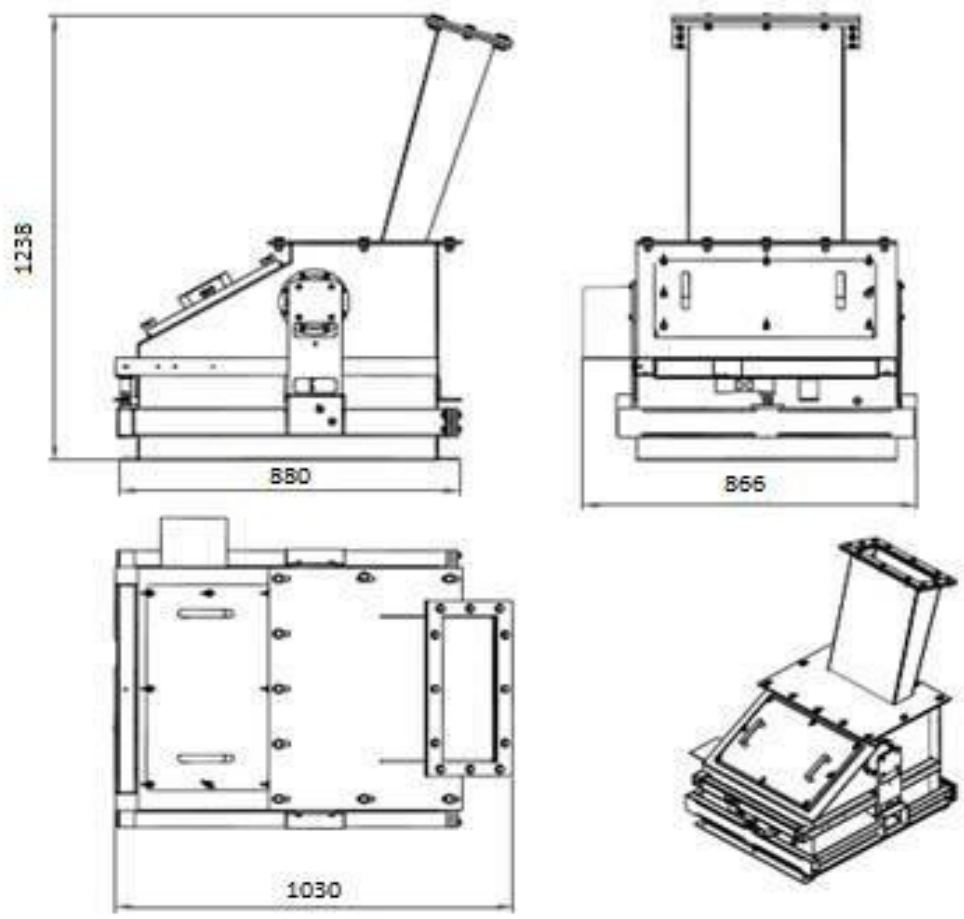
4.3. IMPACT PLATE SCALE

The Impact Plate Scale, which can weigh precisely in uninterrupted and free flowing granule and powder material measurements, operates on the principle of converting the force created by the material flowing from the feed chute onto the weighing plate to the flow rate with the help of the load cell. The Impact Plate Scale used for the measurement of flows from 1 t/hour to 1000 t/hour flow can measure with an accuracy of ± 2%. It is used for materials up to 30 mm in flow rate and material quantity determinations.

It is also preferred in the measurement of many materials such as ground coal, fly ash, raw material, fertilizer, which are used to measure the amount of product from product separators, especially in cement, gypsum and calcite plants after grinding in the mill.

Advantages and Equipment;

- ✓ Weighing hot material up to 120°C,
- ✓ Feed chute that can be designed according to the existing system,
- ✓ Dust insulation and sealing elements,
- ✓ Assembly and connection kit,
- ✓ Maintenance-free load cell module,
- ✓ Control system with optional indicator or PLC,
- ✓ Standard profi-bus communication module.



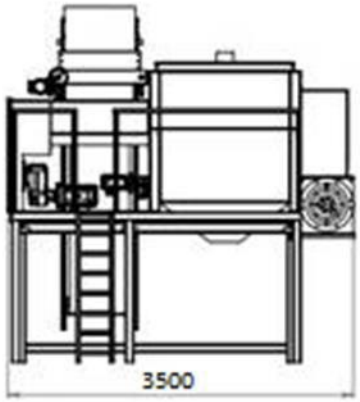
CAPACITY (m³/h)	FLOW RATE	WEIGTH	AMBIENT TEMPERATURE	MATERIAL TEMPERATURE	MATERIAL GRAIN STRUCTURE	GRAIN SIZE
400	Max. 400 m3/h	~170 kg	-30°C - 60°C	Max. 120°C	Dust or Granule (liquid)	Max. 10mm (30mm for one particle)
750	Max. 750 m3/h	~255 kg	-30°C - 60°C	Max. 120°C	Dust or Granule (liquid)	Max. 10mm (30mm for one particle)
1250	Max. 1250 m3/h	~410 kg	-30°C - 60°C	Max. 120°C	Dust or Granule (liquid)	Max. 10mm (30mm for one particle)

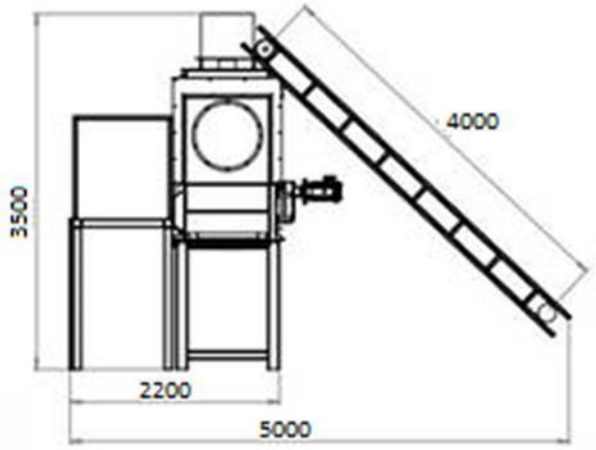
4.4. PACKAGE SHREDDER

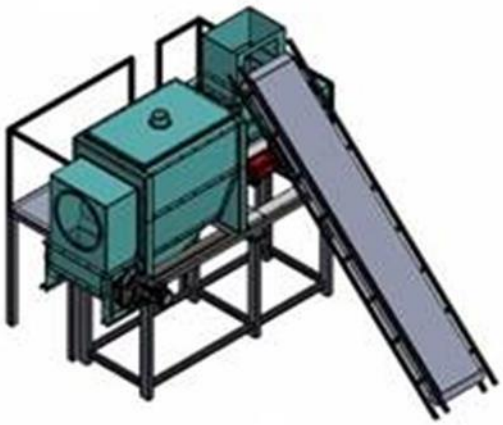
The main design purpose is to separate the packaged products from their paper or plastic bags and feed them to the return line. While the product taken from the cut and shredded bag is supplied back to the system, the shredded bags are collected in a chamber for use in recycling. The system, which is generally used for the recycling of products outside the standard weighing tolerances after packaging, is also used for the shredding the intermediate packages in production lines depending on customer request.

It is used in many industrial facilities as well as cement, mining and chemical plants. Equipment with a maximum capacity of 300 packs/hour is offered to the service of its customers, especially by leak-proof and washable design for the separation of chemical products. Equipment of package shredder;

- ✓ Bag and pack shredder blade system,
- ✓ Insulation system preventing dusting,
- ✓ IP65 protected panel and operator panel with touch screen,
- ✓ Control System,
- ✓ Emergency notification,
- ✓ Automatic and manual operating modes,
- ✓ Profibus, Profinet, Hardwire communication infrastructure.

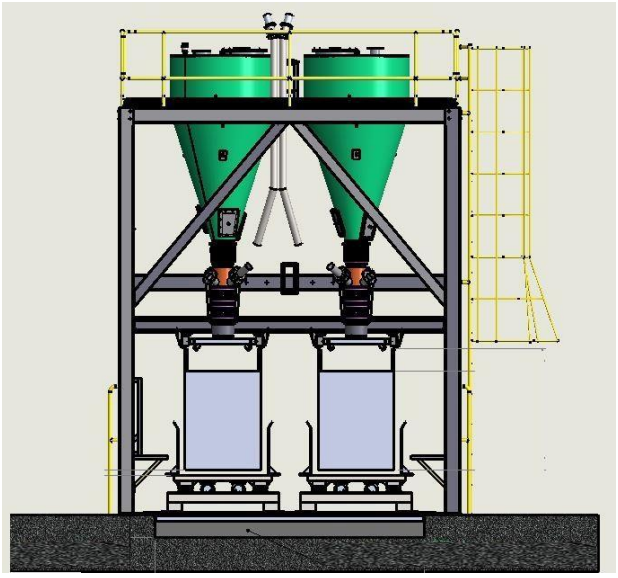






The bag feed band is designed in dimensions suitable for the plant layout and the size of the bag to be shredded. The product separated from the shredded bags is carried to the system for refilling by the screw conveyor after product separation. Another application is filling and transporting the product to the Big-bag bag connected to the machine product outlet line.

4.5. BIG-BAG FILLING MACHINE



It is designed for filling powder and granular materials in desired set values into big-bag sacks. Working principle of the big-bag filling machine consisting of pre-feed unit, weighing hopper, load cells, big-bag connection group, pneumatic cylinders and product discharge outlet;

The weighing hopper is filled with the set screw conveyors at the specified set value, connected to the big-bag discharge outlet and the dust collection system is activated, the big-bag is inflated with the help of the fan before the discharge, and when the filling starts, the rotten air in the bag and the dust formed in the environment are absorbed for quick and easy filling.

Advantages and Equipment;

- ✓ 20-120 t/hour capacity according to customer request,
- ✓ IP65 protected panel and operator panel with touch screen,
- ✓ Weighing system capable of weighing with ± 0,5% precision,
- ✓ Chassis suitable for big-bag transportation by using forklift or crane,
- ✓ Bag inflation system for fast and efficient filling,
- ✓ Filtration system preventing dusting,
- ✓ Emergency notification,
- ✓ Automatic and manual operating modes,
- ✓ Profibus, Profinet, Hardwire communication infrastructure.

4.6. SAMPLER

It is used to collect samples from raw materials, intermediate products, fuels and final products in powder and granule form in industrial plants at certain time intervals. Depending on the place to be sampled and the physical properties of the sample to be taken, it is designed as a sampler on the conveyor belt, an air in-belt sampler and a shovel-type sampler from pouring chutes.

4.6.1. SAMPLER ON CONVEYOR BELT

It is used to collect samples from the flowing material carried on the belt conveyor. Sampling shovel and rotational speed are set according to the desired sample amount, and samples are taken from the belt as much as the required amount in one go. Samplers produced by **KILINÇ INDUSTRY**;

It can take samples from conveyor belts between 500 mm and 1600 mm width, in the capacity range of 1 t/hour to 1000 t/hour and speeds up to 6 m/second. It is used in Cement, Mining and Chemical plants, especially Coal Power Plants.

Advantages and Equipment;

- ✓ Easy assembly to the existing conveyor chassis thanks to its compact structure,
- ✓ Long life and low service cost thanks to the hammer system designed for the belt tonnage,
- ✓ Capability to collect samples in different amounts,
- ✓ To sampling ability in various amount,
- ✓ Top covering and insulation parts in order to prevent dust,
- ✓ IP65 protected panel,
- ✓ Adjustable automatic and precise operation thanks to PLC system,
- ✓ Profibus communication infrastructure.
- ✓ Warning sensors for work safety

4.6.2. AIR BELT SAMPLER

The Air Belt Sampler, mounted on the air belt line as a 1mt module, allows sampling of the desired amount without affecting the overall air and material flow balance of the transport system. The pneumatic driven system produced by **KILINÇ INDUSTRY** activates the sampling mechanism at the times set and ensures homogeneous sampling from the material passing through the pneumatic belt and transferred to the transport container. The equipment produced for air belt modules in the range of 200 - 500mm in general can be designed vertically or horizontally upon request, and it is frequently used in lines carrying powder material in cement and mining facilities.

Advantages and Equipment;

- ✓ Modular and counter flanged production for ease of installation in the system,
- ✓ Durable pneumatic drive system,
- ✓ Insulation parts preventing dusting,
- ✓ Standard maintenance cover for easy maintenance and control,
- ✓ IP65 protected panel,
- ✓ Automatic and precise operation thanks to programmer system,
- ✓ Profibus communication infrastructure.

4.6.3. SHOVEL SAMPLER

Such samplers are designed to collect samples from the spill points. The material taken from the pouring chute with the help of the sampling shovel is transferred to the sample container during the transfer of the materials conveyed by the transport equipment to the other equipment. It is produced with pneumatic or electric motor drive option according to the suitability of the place to be sampled. It is especially used in cement and power plants to collect samples from 300°C materials and flows of 5000 tons/hour.

Advantages and Equipment;

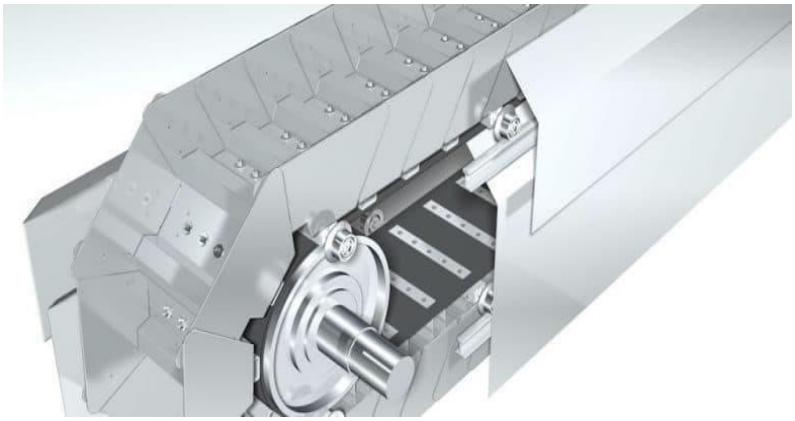
- ✓ It can be connected to the existing system from any point with its compact structure,
- ✓ Motor and pneumatic driven design according to the connection place,
- ✓ Insulation system preventing dusting,
- ✓ Capability of operation at 300°C temperature,
- ✓ IP65 protected panel,
- ✓ Automatic sampling at desired set values thanks to PLC system,
- ✓ Profibus communication infrastructure.

4.7. APRON WEIGH FEEDER

It is designed for the transportation of high-temperature materials, especially corrosive, aggressive and non-fluid materials at direct material pouring points under large tonnage hoppers and silo. It is preferred for transporting and feeding abrasive materials such as hot clinker, coal, clay, limestone, aggregate, slag and petroleum coke. The steel apron feeder, with its hanging and single-point dynamic weighing possibility, allows dosing of materials up to 500 tons/hour and maximum 300°C with an accuracy of ± 1%.

Main areas of use;

- ✓ Cement Industry
- ✓ Energy Industry
- ✓ Glass Industry
- ✓ Mining Industry
- ✓ Iron Steel Industry
- ✓ Refineries
- ✓ Chemistry Industry



Advantages and Equipment;

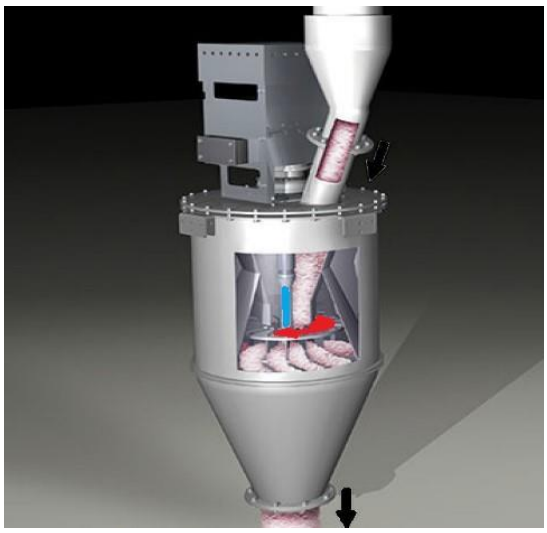
- ✓ Wear and temperature resistant pallet system,
- ✓ Feed and spill chute design in accordance with the existing system,
- ✓ Observation and maintenance covers for inspection and maintenance,
- ✓ Durable pallet carrying wheel system,
- ✓ Automatic lubrication system,
- ✓ Main chassis and carrier steels resistant to high tonnage,
- ✓ Siemens S7 Series control system,
- ✓ Siemens Siwarex U weighing module,
- ✓ Specially designed hanger weighing platform,
- ✓ Load cell with high weighing precision,
- ✓ Optionally, remote or on-site control option of the system,
- ✓ Profibus, Profinet, Hardwire communication infrastructure.

4.8. CORIOLIS TYPE FLOW METER

The mass flows can be measured with Coriolis feeder, with volatile materials in granular and powder form hitting the rotor inside the scale during free fall, taking into account the center and friction forces. Coriolis feeder, which are often used in coal and ash feed lines in industries such as Cement, Energy, Mining and Chemicals and Construction Chemicals, allow working in smaller areas with its physical structure on the vertical axis. Coriolis feeder can weigh with an accuracy of ± 1%. **KILINÇ INDUSTRY** designs and manufactures alternative equipment by considering the capacity, temperature and abrasiveness of the material.

Advantages and Equipment:

- ✓ Weighing hot material up to 120°C,
- ✓ Easy mounting thanks to its vertical structure,
- ✓ Insulation system preventing dusting,
- ✓ Load cell with high weighing precision,
- ✓ Automatic calibration,
- ✓ Control panel with Siemens PLC System,
- ✓ Standard Profibus and Profinet communication module,
- ✓ Weighing capacity from 5 t/h to 80 t/h,
- ✓ Weighing up to 5 mm particle size.



4.9. ROTARY VALVE

Cell wheel is generally used in air-pneumatic transmission systems and various storage systems to provide controlled discharge of the material from equipment such as silo, hopper, cyclone, filter, mixer. **KILINÇ INDUSTRY** cell wheel transfers the granular or powdered material to the equipment such as conveyor, screw conveyor or mixer through the discharge outlet using the rotor flaps inside it by means of the driver after dosing at desired flow. Depending on the place of use in the process, it is also called air lock, star feeder, rotary wheel transmitter, rotary valve.

Advantages and Equipment;

- ✓ Feeding and pouring flange structure that can be designed according to the existing system,
- ✓ Dust sealing and outboard bearing drive system,
- ✓ Driver option for controlled flow,
- ✓ Hardox, stainless and steel wing - body structure suitable for the material supplied.

- ✓ Main body
- ✓ Wing group
- ✓ Shaft and bearing group
- ✓ Outer cover group
- ✓ Electricity board

4.10. BELT CONVEYOR

It is a general purpose transport equipment used for horizontal or inclined transmission of a wide variety of products to different distances. Belt conveyors of different sizes and lengths are used in all industrial facilities. Material transport in belt conveyors is provided by a rubber belt that is stretched between the tension drum and the drive drum driven by the electric motor and supported by carrier rollers.

The conveyor belt can be produced from PVC, polyurethane, rubber and mat material depending on the properties of the product to be transported. It is also suitable for the transporting the boxed, bulk and packaged products. Main advantages and equipment of belt conveyors;

- ✓ Durable chassis and carrier equipment suitable for carrying capacity,
- ✓ Filter suction lines at feeding and pouring points,
- ✓ Scraper system that prevents material accumulation on the belt,
- ✓ Low energy consumption with high energy efficient motors,
- ✓ Rubber belt that can carry a maximum of 170°C material,
- ✓ Capacity range of 1 ton/hour -20.000 tons/hour,
- ✓ Ability to transport materials at a slope of 21 °,
- ✓ Ability to transfer products at a speed of 6-10 m/s

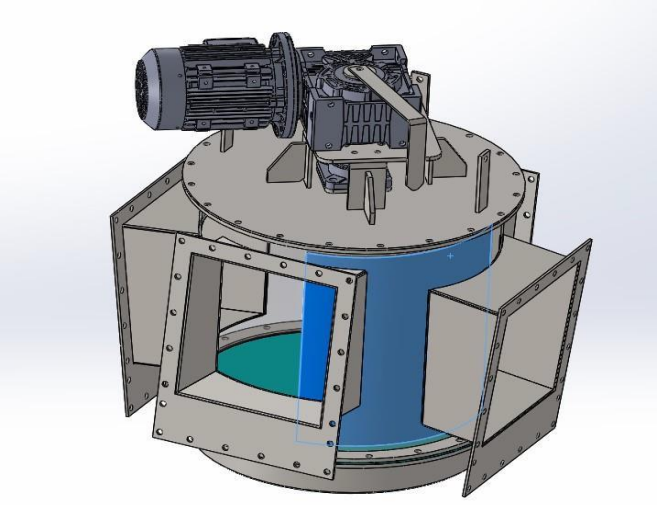
4.11. AIR SLIDE SYSTEMS

Air slide are used for pneumatic transport of powder products such as cement, alumina, gypsum and fly ash. Pneumatic belts consist of two sections separated by a porous air belt cloth. Low pressure air is supplied to the lower section. This air passing from the pores to the upper part creates a kind of lubrication effect on the air belt cloth and fluidizes the material. Thanks to this lubrication effect, the feeding material can be transported with high tonnage and low energy in air belts placed at an angle of 6-8 degrees.

KILINÇ INDUSTRY produces air slide and steering flaps in the range of 20 m3/h and 1500 m3/h carrying capacity and offers it to its customers.

Advantages and Equipment;

- ✓ Durable chassis and carrier equipment suitable for carrying capacity,
- ✓ Sealed body preventing dusting,
- ✓ Selecting a cloth with high air permeability,
- ✓ Material flow in large tonnages,
- ✓ Low energy requirement,
- ✓ Low investment costs, low service costs,
- ✓ Compact design for easy maintenance and repair.



4.12. SCREW CONVEYOR& FEEDERS

Screw conveyors are used for angular or horizontal transport of bulk materials. It consists of main parts such as screw body, ball screw, bearing and motor-reducer. The conveying angle of the screw conveyor varies according to the usage area, screw conveyors can convey material at a maximum angle of 90 °. The feeding and pouring nozzles of the screw conveyor can be placed anywhere on the screw conveyor and the pouring nozzles can be designed as more than one.

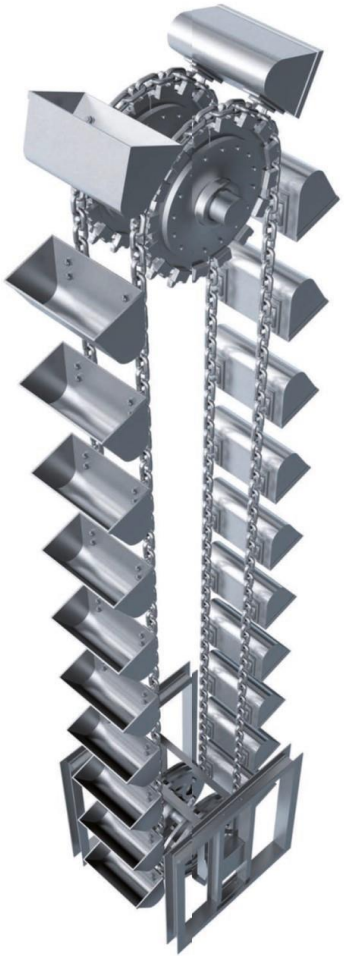
Advantages and Equipment;

- ✓ Body and leaf selection according to the material transported,
- ✓ Enclosed and insulated body preventing dusting,
- ✓ Transporting material at the desired flow rate using the driver,
- ✓ Maintenance-free durable pipe chassis,
- ✓ Material transfer at an angle of 90 °,
- ✓ Low energy consumption,
- ✓ Low investment costs, low service costs,
- ✓ Compact design for easy maintenance and repair.

4.13. BUCKET ELEVATOR

Bucket elevators produced by **KILINÇ INDUSTRY** provide an economical transportation of materials at the desired capacity, height and flow**.** The drive unit is located at the top and braked motors are used. The tensioning unit is located at the bottom and ground connection. It can be manufactured from galvanized steel, painted steel or stainless steel according to the properties of the material to be transported. The tow element is made of belt or chain, and the buckets are made of steel or plastic material according to the capacity and material type. The top cap is manufactured in two parts and, if desired, the friction surfaces are covered with a wear plate. Chain Speed is set between 1.0-1.9 m/sec. Elevators are manufactured in appropriate size and capacity according to the needs of the customer. The supply can be fed to the elevator from the bottom or directly through a feed chute depending on the type of material to be transported.

Generally, the materials with small pieces and low resistance to scooping are supplied directly from the base, and the materials which have large pieces, are abrasive and resistant to scooping are supplied directly to the elevator.



Advantages and Equipment:

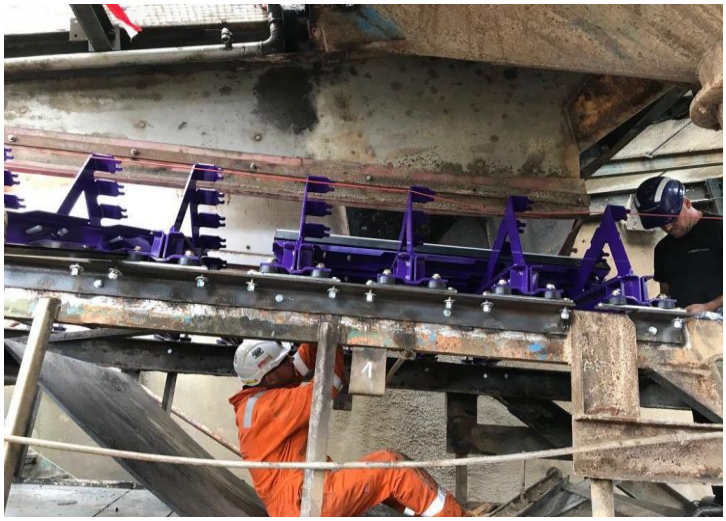
- ✓ High strength carrying-towing elements,
- ✓ Enclosed and insulated body preventing dusting,
- ✓ 2 sight covers on the head of the drive unit that allow easy access and maintenance,
- ✓ 2 sight covers for easy access at the foot of the elevator system and 2 mobile lids to facilitate cleaning,
- ✓ Capability of carrying materials at different speeds with optional driver application,
- ✓ Rubber coated drum preventing skidding,
- ✓ IP55 drive motor with low energy consumption,
- ✓ Wear resistant, reinforced bucket design.

4.14. SCRAPER FEEDING SYSTEM

In industrial plants, there is a problem of sticking, clods and clogging, especially in the pouring of damp and non-fluid materials under the hoppers with high tonnage and narrow pouring outlet. These problems, which are tried to be solved with manpower in most enterprises, pose a danger in terms of occupational safety and also cause loss of production. The Scraper Feeding System is mounted underneath the silo, allowing the flow to be regular and to be supplied with 0.5% precision. Maintenance, repair and labor costs of the companies decrease and their competitive power increases in the market.

Advantages and Equipment;

- ✓ Chassis and carrier system that is resistant to wear and suitable for heavy loads,
- ✓ Lama connection system with easy maintenance and replacement,
- ✓ Dosing with 0.5%-1% precision,
- ✓ Scraper design that prevents the problem of clods and sticking,
- ✓ Filter connection flanges,
- ✓ Ability to feed the material at a temperature of 160°C,
- ✓ Full compatibility with Profi-Bus communication systems,
- ✓ Remote access via Profi-Bus.



4.15. HYDRAULIC BRIQUETTING MACHINE

It is designed for briquetting of powder and small micron sized materials. It is especially used to facilitate the use of powder products in the plant or to decrease transportation costs for sales (export). The briquetting machine is produced for briquetting calcite powder, coal powder, aluminum powder, iron ore powder, clinker, kaolin and activated carbon .

Briquette molds are manufactured in different sizes and briquets made with hydraulic system are of high density and resistant to impacts. Advantages and Equipment:

- ✓ Briquetting without additives and at a low cost,
- ✓ Durable bearing and drive system,
- ✓ Drive motor with EFF1 energy efficiency,
- ✓ Calibration that can be done from the field (local) or control centers (remote) with a PC,
- ✓ SIEMENS S7-Series control system,
- ✓ Material briquetting at 150°C temperature,
- ✓ Remote access via Profi-Bus.

5. TECHNOLOGIC PRODUCTION

KILINÇ INDUSTRY is taking firm steps towards becoming a brand preferred by industrial facilities, especially cement factories, with its establishment purpose, and serves its customers in the design, manufacturing, foreign supply, installation and commissioning processes of the Technological Equipment needed by the industry.

The main service and production group includes the following;

- ✓ Raw Material Transport and Feeding Unit,
- ✓ Dust Holding Cyclone,
- ✓ Bag Emission Filter,
- ✓ Bag Production Filter,
- ✓ Gas and Piping Lines,
- ✓ Electrostatic Filter,
- ✓ Damper Flaps,
- ✓ Pneumatic and Semi-Pneumatic Powder Material Delivery Lines,
- ✓ Farin and Coal Mills,
- ✓ Rotary Kiln Pre-Calcination Systems,
- ✓ Rotary Kiln and Cooling Unit,
- ✓ Seperator System Manufacturing,
- ✓ Fly Ash Dosing and Delivery Unit,
- ✓ Cement Grinding Equipment,
- ✓ Packaging and Loading Units,
- ✓ Silo Discharge Systems.

6. CONCRETE BATCHING PLANTS

Concrete is mostly used in the construction industry, in the construction of dams, canals, roads, buildings, bridges and other structures. The components required during the formation of concrete are gravel, sand, water and cement. These components are mixed in proportion to the recipes of the concrete class to obtain different grades of concrete. Concrete Batching Plants are divided into two as a process:

6.1. DRY CONCRETE BATCHING PLANTS:

Aggregate, cement, water and additives are weighed and poured into truckmixers. Mixing is completed in truckmixers in these systems which do not have a mixer. The design and production of truckmixers must be made in accordance with this mode of operation.

6.2. WET CONCRETE BATCHING PLANTS:

Aggregate, cement, water and additives are weighed and transferred to the mixer, mixing continues until homogenous concrete is obtained and then poured into the transmixers. The plants which are mostly preferred in the sector are wet power plants. Concrete batching plants in our range of production;

6.2.1 MOBILE CONCRETE BATCHING PLANT

Mobile Concrete Batching Plants, produced in the capacity range of 30-60-100-120 m3/hour are preferred for the construction sites that need to be replaced in a short time. General features;

- Fully automatic control, monitoring and reporting,
- Compressor and Air Dryer mounted on the Main Chassis,
- Hydraulically installed Cement Silo,
- Connection infrastructure ready for generator application,
- Minimum infrastructure expenses for temporary site settlement,
- Quality and low cost production thanks to precise dosing and weighing unit,
- Compact structure that can be transported by semi-trailer,
- Installation lines and connection apparatus to meet the need,

TECHNICAL SPECIFICATIONS	**MOBILE *35***	**MOBILE *60***	**MOBILE *100***	**MOBILE *130***	**MOBILE *160***
THEORETICAL CAPACITY (m3/h)	30	60	100	120	160
MIXER TYPE	PLANET SINGLESHAFT	PLANET SINGLESHAFT TWINSHAFT	SINGLESHAFT TWINSHAFT	TWINSHAFT	TWINSHAFT
MIXER CAPACITY (Lt)	750	1500	3000	4500	6000
COMPACTED CONCRETE (Lt)	500	1000	2000	3000	4000
AGGREGATE HOPPER (m3)	40	40 (4x10)	120 (4x30)	120 (4x30)	160 (4X40)
CEMENT WEIGHING HOPPER (Kg)	300	500	1000	1500	2000
WATER WEIGHING HOPPER (Lt)	150	250	500	750	1000
ADDITIVE WEIGHING HOPPER (Lt)	20	40	40	40	40
CEMENT SILO	*WELDED/BOLTED*	*WELDED/BOLTED*	*WELDED/BOLTED*	*WELDED/BOLTED*	*WELDED/BOLTED*
SCREW CONVEYOR	⍉193	⍉219	⍉273	⍉273	⍉273
AUTOMATION SYSTEM	WE ARE USING **SCHNEIDER / SIEMENS** EQUIPMENTS				
COMPRESSOR	√	√	√	√	√
CONTROL CABIN	√	√	√	√	√

6.2.2. STATIONARY CONCRETE BATCHING PLANT

- General characteristics of the stationary concrete batching plant, which is produced in the capacity range of 30-60-100-120-150 and 180m3/h;
- Fully automatic control, monitoring and reporting system,
- Low operation and maintenance costs,
- Compact design and fast assembly opportunity,
- High availability and wear resistant mixer structure,
- Quality and low cost production thanks to precise dosing and weighing systems,
- Strong chassis and equipment design that can operate in severe weather conditions,

Stationary Concrete Batching Plants are preferred for large projects with high tonnage concrete needs.

STATIONARY CONCRETE BATCHING PLANT					
TECHNICAL SPECIFICATIONS	***STATIONARY 60***	***STATIONARY 100***	***STATIONARY 130***	***STATIONARY 160***	***STATIONARY 200***
THEORETICAL CAPACITY (m3/h)	60	100	120	160	200
MIXER TYPE	PLANET SINGLESHAFT TWINSHAFT	SINGLESHAFT TWINSHAFT	TWINSHAFT	TWINSHAFT	TWINSHAFT
MIXER CAPACITY (Lt)	1500	3000	4500	6750	7500
COMPACTED CONCRETE (Lt)	1000	2000	3000	4500	5000
AGGREGATE HOPPER (m3)	80-100	100-120	120-160	160-300	180-300
AGGREGATE WAITING HOPPER (Kg)	2000	3000	7000	10000	12000
CEMENT WEIGHING HOPPER (Kg)	500	1000	1500	2250	2500
WATER WEIGHING HOPPER (Lt)	250	500	750	1250	1500
ADDITIVE WEIGHING HOPPER (Lt)	40	50	50	50	50
CEMENT SILO	*WELDED/BOLTED*	*WELDED/BOLTED*	*WELDED/BOLTED*	*WELDED/BOLTED*	*WELDED/BOLTED*
SCREW CONVEYOR	⌀219	⌀273	⌀273	⌀323	⌀323
AUTOMATION SYSTEM	WE ARE USING **SCHNEIDER / SIEMENS** EQUIPMENTS				
COMPRESSOR	√	√	√	√	√
CONTROL CABIN	√	√	√	√	√

6.2.3. COMPACT CONCRETE BATCHING PLANT

Compact concrete batching plants can be installed and operated in narrow places due to their compact design and bucket type. These types of power plants, which are preferred due to easy installation and transportation, also have high strength that can work under heavy conditions.

COMPACT *CONCRETE BATCHING PLANT*				
TECHNICAL SPECIFICATIONS	**COMPACT *35***	**COMPACT *60***	**COMPACT *100***	**COMPACT *130***
THEORETICAL CAPACITY (m3/h)	30	60	100	120
AGGREGATE TRANSFER	KOVALI TİP *BUCKET*	KOVALI TİP *BUCKET*	KOVALI TİP *BUCKET*	KOVALI TİP *BUCKET*
MIXER TYPE	PLANET SINGLESHAFT	PLANET SINGLESHAFT TWINSHAFT	SINGLESHAFT TWINSHAFT	TWINSHAFT
MIXER CAPACITY (Lt)	750	1500	3000	4500
COMPACTED CONCRETE (Lt)	500	1000	2000	3000
AGGREGATE HOPPER (m3)	40 (4x10)	40 (4x10)	120 (4x30)	120 (4x30)
CEMENT WEIGHING HOPPER (Kg)	300	500	1000	1500
WATER WEIGHING HOPPER (Lt)	150	250	500	750
ADDITIVE WEIGHING HOPPER (Lt)	20	40	40	40
CEMENT SILO	*WELDED/BOLTED*	*WELDED/BOLTED*	*WELDED/BOLTED*	*WELDED/BOLTED*
SCREW CONVEYOR	⌀193	⌀219	⌀273	⌀273
AUTOMATION SYSTEM	WE ARE USING **SCHNEIDER / SIEMENS** EQUIPMENTS			
COMPRESSOR	√	√	√	√
CONTROL CABIN	√	√	√	√

6.2.4.WORKSITE CONCRETE BATCHING PLANT

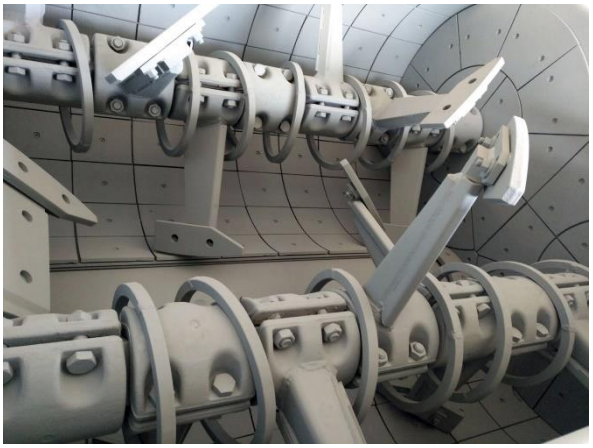
Mini concrete batching plants can be easily and quickly installed and easily carried thanks to their mini design. It can be transported with one tractor or with a 40 ft single container. It has very low operating and maintenance costs. It is especially preferred in project works, because it does not require any foundation work and it can be carried easily.

MINI MOBILE *CONCRETE BATCHING PLANT*	
TECHNICAL SPECIFICATIONS	**MINI MOBILE *30***
THEORETICAL CAPACITY (m3/h)	30
MIXER TYPE	SINGLESHAFT
MIXER CAPACITY (Lt)	750
COMPACTED CONCRETE (Lt)	500
AGGREGATE HOPPER (m3)	20 (4X5)
CEMENT WEIGHING HOPPER (Kg)	250
WATER WEIGHING HOPPER (Lt)	130
ADDITIVE WEIGHING HOPPER (Lt)	20
CEMEN FEEDER	BIG BAG SYSTEM
SCREW CONVEYOR	⌀193
AUTOMATION SYSTEM	WE ARE USING **SCHNEIDER / SIEMENS** EQUIPMENTS
COMPRESSOR	√
CONTROL CABIN	√

6.3. MIXERS

6.3.1. TWINSHAFT MIXERS

Twinshaft mixers work by driving two shafts with the motor-reducer group. The mixture is homogenized with the help of arms mounted on the shafts and pallets mounted on the arms. It is the most frequently used type of mixer.



TWINSHAFT *MIXERS*					
TECHNICAL SPECIFICATIONS	**1M3**	**2M3**	**3M3**	**4,5M3**	**5M3**
LOADING CAPACITY (Lt)	1500	3000	4500	6750	7500
COMPACTED CONCRETE CAPACITY (Lt)	1000	2000	3000	4500	5000
ENGINE POWER (Kw)	2X22	2X37	2X55	2X90	2X110
SIDE WEARING	HARDOX	HARDOX	HARDOX	HARDOX	HARDOX
BODY WEARING	NI-HARD-4	NI-HARD-4	NI-HARD-4	NI-HARD-4	NI-HARD-4
MIXING PADDLES	NI-HARD-4	NI-HARD-4	NI-HARD-4	NI-HARD-4	NI-HARD-4
AUTOMATIC LUBRICATION SYSTEM	ILC/SKF	ILC/SKF	ILC/SKF	ILC/SKF	ILC/SKF
WATER DISTRIBUTOR	√	√	√	√	√
HYDRAULIC DISCHARGE DOOR	√	√	√	√	√
MAINTENANCE COVER AND SAFETY VALVE	√	√	√	√	√
EMERGENCY BUTTON	√	√	√	√	√

6.3.2. SINGLESHAFT MIXERS

The investment cost of singleshaft mixers mixing with one shaft is much lower than twinshaft mixers. It is widely used in small capacity plants.

SINGLESHAFT *MIXERS*		
TECHNICAL SPECIFICATIONS	**0,5M3**	**1M3**
LOADING CAPACITY (Lt)	750	1500
COMPACTED CONCRETE CAPACITY (Lt)	500	1000
ENGINE POWER (Kw)	22	45
SIDE WEARING	HARDOX	HARDOX
BODY WEARING	HARDOX	HARDOX
MIXING PADDLES	NI-HARD-4	NI-HARD-5
AUTOMATIC LUBRICATION SYSTEM	ILC/SKF	ILC/SKF
WATER DISTRIBUTOR	√	√
HYDRAULIC DISCHARGE DOOR	√	√
MAINTENANCE COVER AND SAFETY VALVE	√	√
EMERGENCY BUTTON	√	√

6.3.3. PLANET MIXERS

It is a mixer model that provides more homogeneous mixing, especially preferred in precast plants. Unlike twinshaft mixers and single shaft mixers, the motor & reducer group is on the top and positioned vertical to the ground.

PLANET *MIXERS*			
TECHNICAL SPECIFICATIONS	**0,5M3**	**1M3**	**2M3**
LOADING CAPACITY (Lt)	750	1500	3000
COMPACTED CONCRETE CAPACITY (Lt)	500	1000	2000
ENGINE POWER (Kw)	22	45	55
SIDE WEARING	HARDOX	HARDOX	HARDOX
BODY WEARING	HARDOX	HARDOX	HARDOX
MIXING PADDLES	NI-HARD-4	NI-HARD-5	NI-HARD-6
AUTOMATIC LUBRICATION SYSTEM	ILC/SKF	ILC/SKF	ILC/SKF
WATER DISTRIBUTOR	√	√	√
HYDRAULIC DISCHARGE DOOR	√	√	√
MAINTENANCE COVER AND SAFETY VALVE	√	√	√
EMERGENCY BUTTON	√	√	√

7. CRUSHING AND SCREENING PLANT

KILINÇ INDUSTRY designs and implements with its expert staff in all processes from the design of crushing and screening plants to the selection of machinery and equipment, the design of the crushing-screening plants to the selection of machinery and equipment.

Crushing and Screening Plants are the production facilities for the processing of ores produced in the mining industry and for the crushed stone production (asphalt, concrete, road material etc.) in the construction industry. Engineers from mining, construction, geology, machinery, electrical & electronics and business branches collaborate in the design of such facilities.

7.1.BUNKER AND FEEDING SYSTEM

Feeders are used in crushing and screening plants to increase the capacity where regular feeding is needed, to control the material sizes going to the crushers and to ensure continuous feeding. KILINÇ INDUSTRY manufactures vibro feeders, belt feeders and vibrating feeders for use in crushing and screening plants. Feeder group that can be manufactured with legs with various heights depending on the material capacity, material type and feed height;

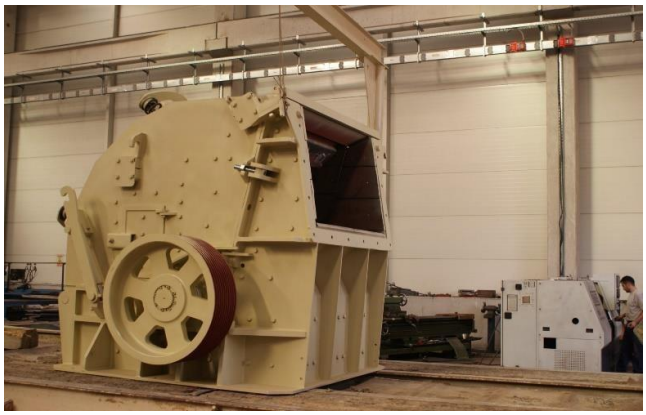
- Vibrating Feeders,
- Belt Feeders,
- Vibro Feeders,
- Sub-Bunker Vibrating Feeders.

7.2.CRUSHER

KILINÇ INDUSTRY manufactures Jaw Crusher, Cone Crusher, PrimaryImpactCrusher, Secondary Impact Crusherand Tertiary Impact Crusher. Crushers reduce the size and hardness of the material to be crushed and provide the transition to the next process.

Primary crushers are used to obtain smaller grain products such as stone chips, and secondary crushers are used for sizing high, medium and low hardness materials. The main types of crusher produced are as follows;

- Jaw Crushers,
- Cone Crushers,
- Primary Impact Crushers,
- Secondary Impact Crushers,
- Tertiary Impact Crushers,



7.3 SIEVE

Sieves, one of the most critical equipment in crushing screening plants, are divided into two groups as fixed and mobile sieves. While selecting the sieve, the capacity of the material to be sieved, the humidity and whether it is washed are taken into consideration. The selection of the materials used in the manufacturing phase directly affects the maintenance and repair costs during operation.

The main types of sieve;

- Standard Fixed Sieve,
- Grid Sieve,
- Drive Sieve,
- Horizontal Sieve.

7.4 WASHER

Screw washers produced in single helix or double helix options depending on the need are generally used to remove the water from the materials that have been washed and mixed with water. Since the sand in the mixture poured into the helix is heavier than other materials, it collapses to the bottom and is pulled up and drained with a screw conveyor, and the water flows from the drain sluices and is separated by transferring to the drain channel and the sedimentation pool. Additionally, the following products are also included in the product range;

- Screw Washers
- Sieve-Top Washers
- Dewatering Sieve
- Bucket Washers

8. ELECTRICAL& AUTOMATION

In addition to providing the enterprises with mechanical solutions, **KILINÇ INDUSTRY** is the solution partner of its customers especially in Electrical & Automation applications that directly affect system efficiency and production quality. By establishing the automation infrastructure to ensure that all production processes can be monitored and controlled, it increases the instantaneous reflex capabilities of the enterprises and offers quality production at low cost.

Automation and Control System installations are provided in production facilities, especially;

- ✓ Cement Factories,
- ✓ Grinding Facilities,
- ✓ Power Plants,
- ✓ Glass Industry
- ✓ Mining and Chemistry Facilities.

9. SERVICE AND MAINTENANCE

KILINÇ INDUSTRY acts with the principle of customer satisfaction and completes its after-sales operations in accordance with the brand value in the delivery, commissioning, training and periodic maintenance practices of the machinery and equipment it sells. It makes utmost efforts to stock up spare parts that may be required by the facilities and offers them to the service of the company as soon as possible upon request. By informing its customers about periodic maintenance after sales, it contributes to extending the lifetime of the equipment and minimizing maintenance costs, as well as carefully examining the feedback from each customer and guiding the future designs.

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