



WHY SADE? ABOUT US

Those who are with us in every moment of life from the beginning to the end... Those whose support we always felt with us... We call them "friends". And those we trust until the end in business life... That's why we call them "partners". The solution partner has the professional opinion to offer you whatever you need. Or the one who is always ready for the expectation of quality production.





all you need in milling industry With its dynamic and experienced staff, it offers all the productions in the process from the establishment of a feed factory, from grain storage and transfer to product transportation and loading.

SADE MAKİNA

whatever you need with a partnership you can trust









FEED FLAKE TRANSPORTATION PROFROG with SADE QUALITY

5 SMÇD	HAMMER MILL
7 SMPK	MIXER
9 SMM	MOLASSES MACHINE
11 SMPD	PREMIX DOSING
13 SMPP	PELLET PRESS
15 SMPS	PELLET COOLER
17 SMGM	GRANULE MACHINE
19 SMPE	PELLET SIFTER
21 SMJF	JET FILTER
23 SMA	DUST ASPIRATOR
25 SMOP	AUTO. FEED PACKAGING



Hammer Mill

Hammer mills are used in the feed industry, in the grinding of cereal products and by-products and in some other industrial plants to reduce the granilization of raw materials and by-products, and in grinding processes to bring feed raw materials to digestible sizes. It is produced in desired capacities.

APPLICATION FIELD

Flour, semolina, and maize mills

- Feed mills
- Food industry (tea, malt, peas & nuts, coffee, tobacco processing plants etc.)

SADE

- Chemical industry (plastic, paint,
- detergent and similar products)
- Wood industry

• Non-metal industry (lime, cement, soil plants, etc.)

WORKING PRINCIPLE

Product should be fed into the hammer mill regularly with a suitable and speed controlled feeder, on which also generally has a magnet against any possible.

Particle size reduction process is carried out between a cylindrical sieve jacket and rotor fitted hammers. The product is grinded by the impact of the hammers with a very high-speed rotational movement. After reaching the desired particle size, the product is forced to move out of the perforations of the rotary sieve jacket. Then final product is collected in an outlet bunker.

The machine can work in two rotational directions, and product feed can be controlled by a diverter gate accordingly.

FEATURES & ADVANTAGES

- Robust construction
- Two way working direction
- Minimized vibration levels
- Elctro pneumatically controlled
- pivoted deflection plate • Direct connection of motor shaft and
- the rotor • Hardened steel hammers and rods
- for extended life
- Easy perforated screen and hammer replacement
- Safety switch on covers

OPTIONS & ACCESSORIES

- Hammer mill feeder
- Temperature monitoring of grinding
- chamber
- Customized hammer design



FEED MACHINERY SECTION









technical features

model	motor kW	motor rpm	capacity t/h
SMÇD 760/5	37	1500	5
SMÇD 950/10	90	1500	10
SMÇD 950/15	110	1500	15
SMÇD 1100/20	132	1500	20
SMÇD 1100/30	160	1500	30
SMÇD 1100/50	250	1500	50

dimensions						
model	А	В	с			
SMÇD 760/5	1400	1450	1750			
SMÇD 950/10	1730	1750	1900			
SMÇD 950/15	1730	1750	2200			
SMÇD 1100/20	1730	1750	2525			
SMÇD 1100/30	1730	1750	2850			
SMÇD 1100/50	1730	1750	3450			



Mixer SMPK

It is designed and manufactured to homogeneously mix different raw materials milled in the mill moving free-flowing in the process with or without the addition of liquid. The mixture of ground raw materials can be provided with a mixing accuracy of 1/100000. It is produced in desired capacities.

APPLICATION FIELD

- Feed production facilities
- Coating
- Dry powder
- Chemical industry etc.

WORKING PRINCIPLE

Mixers are used in feed mills and mix feed additives and ready mixes by paddles pushed back and forth while rotating in one direction.

FEATURES & ADVANTAGES

- Mixing time, 1-4 minute
- Mixing efficiency, CV8-10
 Electropneumatically controlled
- Electropheumatically controlled discharge system
- The possibility of incorporating liquids
- Capacities from 500 to 12.000 litres
 Shaft on heavy duty self aligning
- roller bearings • No stratification and no dead spots
- Driven by geared motor



FEED MACHINERY SECTION









technical features				dimensions					
model	motor kW	motor rpm	capacity t/h	 model	А	В	С		
SMPK 5	18,5	33	10	SMPK 5	2800	1850	1725		
SMPK 10	22	33	15	SMPK 10	3100	2150	1980		
SMPK 15	22	33	20	SMPK 15	3400	2350	2125		
SMPK 20	30	33	30	SMPK 20	3800	2525	2300		
SMPK 30	45	33	35	SMPK 30	4100	2800	2550		



Molasses Machine

desired properties by providing the appropriate additive for the appropriate feed. It provides continuous and homogeneous mixing with its liquid spraying system and can be easily cleaned thanks to its wide lids. It is produced in desired capacities.

APPLICATION FIELD

 Feed production facilities • Other moistening applications in food industry

WORKING PRINCIPLE

Molasses machines are produced in two different types as double and single shaft. The angles of the paddles on the body can be adjusted. In this way, the product can be mixed homogeneously with molasses.

FEATURES & ADVANTAGES

- High capacity and efficiency
- Adjustable paddles.
 Dynamic and static balanced rotor.
- Ergonomic maintenance covers.
- Safety sensors
- Homogeneous mixing











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model	motor kW	motor rpm	capacity t/h
SMM 460 /20	15	620	5
SMM 460/24	22	620	10
SMM 630/24	30	620	15-20
SMM 630/30	37	620	30

dimensions									
model	А	В	с						
SMM 460/20	1150	2900	1250						
SMM 460/24	1200	2900	1350						
SMM 630/24	1250	2900	1450						
SMM 630/30	1300	2900	1550						

Premix Dosing

It is used in feed industry, chemical industry etc. It ensures that products such as vitamins and minerals that need to be added in low amounts in the products produced are added by precise weighing.

FEATURES & ADVANTAGES

- High precision
- Consistent results
- Easy calibration

APPLICATION FIELD

- · Feed production facilities
- · Chemical industry

WORKING PRINCIPLE

The loss in weight dosing is a gravimetric device that receives material from an upstream, and accurately doses the required amount into a downstream typically through a screw feeder. The feeder's operation is regulated by the amount of material in the hopper. The bunker is positioned on a loadcell, which continuously provides weighing information and conducts signals to the processor through the PLC. The speed of the screw feeder is constantly adjusted by the PLC for accurate results.

Set values are defined by the operator and entered on the panel or SCADA system. The special PLC software above continuously controls the feed amount, and any fluctuation from the set range is prevented. The system works very preciesly that it is able to perceive any change in flow characteristics.







technical features				dimensio	ensions		
model	motor kW	motor rpm	capacity t/h	model	А	В	С
SMPD 4	4x0,55	44	0,5-5	SMPD 4	1200	4550	1200
SMPD 6	6x0,55	44	0,5-5	SMPD 6	1200	4550	1800
SMPD 8	8x0,55	44	0,5-5	SMPD 8	1800	4550	1800
SMPD 12	12x0,55	44	0,5-5	SMPD 12	1800	4550	2200



Pellet Press

It is produced for pressing various products such as cattle and sheep feed, poultry feed, fish feed, organic fertilizer, plastic scrap, garbage, waste, wood stone, bran, meal, cotton dew. It is produced in desired capacity and tonnage.

APPLICATION FIELD

Feed production facilities
 Wood industry

· Plastic industry

WORKING PRINCIPLE

The result of conditioning and pelleting process starch is gelatinized. Pelleting technology is also used for pelleting wheat bran, bagasse, wood, plastic, paper, sewage sludge, chicken manure, classified MSW and chemicals. Die hole sizes usually range from 1.6 mm to 22 mm.

FEATURES & ADVANTAGES

- Steel housing in welded construction
- The rotor, mounted on the mainshaft
- runs on two long life bearings
- V-belt drive transmission
- Stainless steel hinged door
- Manually adjusted two rolls head
- Dies in chromium steel (X46Cr13)
- Die is bolted on feed conePneumatically controlled overload
- protection device
- Safety microswitch for hinged doorDie hoist
- Permanent magnet













technical features

model	motor kw	roll diameter	roll pieces	pellet area	roll speed
SMPP Ø453*112	55	Ø210	2	1650	7,4
SMPP Ø520*132	110	Ø250	2	2156	8,5
SMPP Ø520*175	132	Ø250	2	2858	8,5
SMPP Ø660*230	200	Ø320	2	4868	6,1
SMPP Ø760*230	250	Ø350	2	5491	7,1
SMPP Ø900*250	315	Ø365	2	7068	7,3
SMPP Ø1200*230	560	Ø500	2	13194	6,1

dimensions							
	model	А	в	с			
	SMPP Ø453*112	2000	1250	1700			
ĺ	SMPP Ø520*132	2450	1650	2300			
	SMPP Ø520*175	2450	1650	2350			
	SMPP Ø660*230	2740	1890	2700			
	SMPP Ø760*230	2950	1950	2900			
	SMPP Ø900*250	3330	2290	4020			
	SMPP Ø1200*230	3610	2780	5190			



Pellet Cooler SMPS

It is used for cooling granular and granular materials in the food and feed industry. Vertical cooling principle with reverse air flow provides effective cooling. Easy to install. Energy saving is high. It is produced in desired

APPLICATION FIELD

- · Pellet feed production facilities
- · Corn and barley flake plants
- Wood industry
- Plastic industry

WORKING PRINCIPLE

Pellet coolers are consist of three sections

- Cooling column
- Discharge grid system
- Collection hopper

FEATURES & ADVANTAGES

- Side walls with one transparant inspection door
- Level control sensors
- · Collecting hoper
- Rotary valve with electric motor
- Exhaust hood
- Pellet spreader
- Unloading mechanism
- · Electropneumatically driven sliding
- grid discharge system
- · Single deck or double deck design



FEED MACHINERY SECTION







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technical features

model	cubic meter m ³	capacity t/h
SMPS 1250x1250	2.3	5-10
SMPS 1500x1500	3.4	5-10
SMPS 1900x1900	5.4	10-20
SMPS 2250x2250	7.6	10-20
SMPS 3000x3000	13.5	20-30

model	A	В	с
SMPS 1250x1250	1895	1725	2220
SMPS 1500x1500	2505	1770	2745
SMPS 1900x1900	3000	2270	3320
SMPS 2250x2250	3395	2620	3540
SMPS 3000x3000	4090	3600	4340

dimensions



It is a machine that crushes the pelletized product into granules by means of rollers. The product taken from the feeding screw is evenly distributed between the rolls. The roller balls are adjusted according to the desired grain size and the crushing process is carried out. It is produced in desired capacities.

APPLICATION FIELD

Pelleted feed production facilities
 Wood industry

• Plastic industry

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WORKING PRINCIPLE

The product taken from the feeding screw is evenly distributed between the rollers. Roll balls are crushed according to the desired grain size. It is produced in desired capacities.

FEATURES & ADVANTAGES

- \cdot Roll adjustment assembly with
- overload protection device • Each roller is driven seperately by
- means of electric motor
- Heavy hardened and fluted
- longitudinally press rollers • Rolls are mounted in heavy duty self-
- aligning bearings
- Installed in a sturdy steel housing flap
 Pneumatically operated by-pass
- Low noise level











tec	hnical features			dimensions							
model	power kw	capacity t/h		model	А	В	с				
SMGM 2 250/2	0,75 - 7,5 - 11	5-15	SM	1GM 2 250/2	2700	1250	1375				
SMGM 4 250/4	2x0,75 - 2x7,5 - 2x11	15-30	SM	1GM 4 250/4	2700	1250	1900				



Pellet Sifter

With the help of vibrating screen technology and different screen widths, it helps to separate products according to grain size and to remove foreign objects, and to ensure that materials with the same granule size enter the process. Vibro sieves are generally machines with a strong construction structure and maximum sieving. The vibration movement provided by vibro motors allows the incoming product to be classified as desired. They are produced in desired capacities.

APPLICATION FIELD

· Pelleted feed production facilities

Wood industry
Plastic industry

WORKING PRINCIPLE

It allows the separation of the products in the product that do not comply with the standard into groups. The sieve capacity may vary depending on the sieve hole size. Thanks to its special design, easy sieve change and production can be done in minimum waiting times.

FEATURES & ADVANTAGES

Centrifugal vibratory

• In electric vibrators, the impact intensity can be adjusted according to the process situation.

- High capacity.
- Compact and lightweight design.
- Body covers for easy intervention.



FEED MACHINERY SECTION









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tec	hn	cal	fea	ture

model	sifter width	sifter length	capacity t/h	motor kw	stroke mm	sifting area
SMPE 100x150	1	2x0,75	10-15	2x0.45	4.5-5.5	1
SMPE 100x200	1	2x1	20-25	2x0.9	4.5-5.5	2
SMPE 150x200	1,5	2x1	35-40	2x1	4.5-5.5	3

dimensions										
model	Α	в	с							
SMPE 100x150	2160	1590	1760							
SMPE 100x200	2750	1615	1975							
SMPE 150x200	2750	2115	2360							





APPLICATION FIELD

- · At food industry
- · Flour and semolina mills
- Feed mills
- Biscuit and macaroni factories
- Nut processing plants
- Brewery factories
- · At chemical industry
- Paint factories
- · Plastic factories
- Detergent factories
- · At wooden industry
- At non-metallic industries
- At stone and soil quarries
- · At cement factories

Jet Filter SMJF

It is applied for cleaning of products, especially cereals, purification of milled products and transportation of granulated or powdered materials. It is used to prevent the spread of dust, garbage, straw, etc. products that

WORKING PRINCIPLE

Jet pulse bag filters are one of the most environmentally friendly machine equipment that allows the dust and smoke generated during production with high dust density to be filtered by air suction from the working environment. Dusty air sucked from the source with the help of a fan and through the installation enters the jet pulse filtering unit. The important thing here is to transport the dust from the source and at appropriate speeds to the filtering unit with the piping system.

FEATURES & ADVANTAGES

· Vacuum is provided by a snail type aspiration fan.

- There is an air tube that accumulates pressurized air.
- There is a reverse flow pulse valve system that shakes the bags.
- · Can be manufactured from black sheet or stainless materials.
- Products with economic value are brought back to the system.
- · Provides a clean environment.



FEED MACHINERY SECTION





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	technical features																											
model		SMJ	JF 10)		SMJF 18			SMJF 26			SMJF 39			SMJF 52		SMJF 78		1	SMJF 104								
shirt length	1200	1800	2400	3000	1200	1800	2400	3000	1200	1800	2400	3000	1200	1800	2400	3000	1200	1800	2400	3000	1200	1800	2400	3000	1200	1800	2400	3000
filter area (m²)	4,5	6,8	9	11,3	8,1	12,2	16,3	20,4	11,7	17,6	23,5	29,5	17,6	26,5	35,3	44	23,5	35,3	47	58,8	35,2	52,9	70,5	88,2	47	70,5	94	117,5
А	1750	2350	2950	3550	1600	2200	2800	3400	1650	2250	2850	3450	1700	2300	2900	3500	1700	2300	2900	3500	1700	2300	2900	3500	1700	2300	2900	3500
В	2640	3240	3840	4440	2960	3560	4160	4760	3340	3940	4540	5140	3610	4210	4810	5410	3830	4430	5030	5630	4060	4660	5260	5860	4390	4990	5590	6190
С		80	00			10	00			115	50			13	00			15	00			18	50			20	50	
ØD		8	50			10	00			11	50			13	40			15	00			18	40			20	20	
ØE		2	50			4(00			4	50			50	00			6	00			70	00			75	50	
F		4(00			50	00			50	00			65	50			70	00			8	00			10	00	
G		2	10			27	70			2	70			30	00			3	75			50	00			50	00	
М		4	50			35	50			35	50			4	50			4	50			4	50			4	50	
Ν		4	50			4(00			4	50			500 650			800			1000								
	1200	1000	2400	7000	1200	1900	2400	7000	1200	1000	2400	7000	1200	1000	2400	7000	1200	1000	2400	7000	1200	1000	2400	7000	1200	1000	2400	7000

1200 1800 2400 3000 1200 1800 2400 3000 1200 1800 2400 3000 1200 1800 2400 3000 1200 1800 2400 3000 1200 1800 2400 3000 1200 1800 2400 3000 1200 1800 2400 3000





Dust Aspirator

The aspirators have high air suction power and are manufactured in different sizes and engine powers. Different capacity aspirators are frequently used in cleaning unit aspiration in flour and feed mills. They are produced in desired capacities.

APPLICATION FIELD

Food industry

- Flour and semolina mills
- Feed mills
- Biscuit and macaroni factories
- Dry fruit plants
- Barley plants
- · Tea plants
- Tobacco plants
- Chemical industry
- Wooden industry
- · Cerment industry

WORKING PRINCIPLE

With the power taken from the electric motor, air is drawn in line with the flow rate created by the rotating fan pallets.

FEATURES & ADVANTAGES

- \cdot High quality
- High efficiency
- High extraction
- High capacity
- Long life
- Maximum hygiene
- Maximum safety
- Maximum simplified use
- \cdot Low periodic maintenance
- Low delay to replace spare parts
- Maximum efficiency with low energy consumption
- Noiseless
- Vibration-free operation
- · Streamlined and robust construction



FEED MACHINERY SECTION

0°	45°	90°	135°	180°	225°	270°	∡ 315°					
technical features												
	model		pressu	Ire		flow						
	SMA 22		900-13	50		5236-3490						
	SMA 30		900-13	50		7140-4760						
	SMA 37		900-13	50		8806-5870						
	SMA 45		900-13	50		10710-7140						
	SMA 55		950-13	50		12400-8700						
	SMA 75		950-14	00		16900-11300						
	SMA 90		950-14	00		20200-13700						
	SMA 110		950-14	00		24700-16500						
	SMA 132		950-14	00		29200-20100						









Auto. Feed Packaging SMOP

Feed and flour bagging scales are used for precise packaging of powdered or pelletized feed into 25 and 50 kg bags.



FEATURES & ADVANTAGES

- Sensitivity: (+ -) 50-100 Gr
- Working Pressure : 5-6 Bar
 Plc Based Control System.
- Independently Programmable Upper and Lower Tolerances.
- \cdot Fast and Precise Weighing with Stainless Steel Loadseller.
- Touch Screen Operator Menu.
- Programmable Number of Bags to Fill.
- \cdot Monitoring the Number of Filled Bags.
- Easy Calibration from the Operator Menu.
- Filling System to Prevent Weighing Errors.
- Height Adjustable Sewing Machine and Packing Belt.
- · Low maintenance, stable and highly efficient operation thanks to its robust construction.







technical features

model

model	SMOP
weighing range	25-50 Kg
weighing capacity	25 Kg – 780 pack./hour - 50 Kg – 600 pack./hour
bag type	polipropilen bag
weighing accuracy	± % 0,5
air pressure	5-6 bar
air need	8-10 m ³
operating voltage	3 Ph, 380 VAC /50-60 Hz
total power	3,2 Kw
filling type	belt feed

dimensions

model	Α	в	с
SMOP	6500	4355	2500



PELLETED FEED FACTORY DIAGRAM



MACHINE LIST :

01-TREMI BOTTOM CHAIN CONVEYOR 02-TREMI BUCKET ELEVATOR 03-MISSILE TYPE MAGNET 04-SILO UPPER DISTRIBUTION SCREW 05-SILO TOP FILLING SCREWS 06-GEAR SLIDING CLAMP 07-DOSING SILOS 08-ADDITIVE SILO FILLING SCREWS 09-ADDITIVE SILOS 10-DOSING TUBE SCREWS
 11-SALT AND MARBLE TUBE SCREWS
 21-MIXER

 12-DOSING SCALE
 22-MICRO

 13-U TYPE SCREW
 23-MIXER

 14-BUCKET ELEVATOR
 24-U TYPE

 15-CRUSHER TOP BUNKER
 25-PNEUM

 16-FEEDER SCREW
 26-MELAS

 17-HAMMER MILL (CRUSHER)
 28-U TYPE

 18-JET FILTER
 28-U TYPE

 19-DUST ASPIRATOR
 29-PNEUM

 20-BREAKER BOTTOM BUNKER
 30-PELEEF

21-MIXER 22-MICRO DOSING (PREMIX) 23-MIXER BOTTOM BUNKER 24-U TYPE SCREW 25-PNEUMATIC SLIDING CLAMP 26-MELASIER 27-BUCKET ELEVATOR 28-U TYPE SCREW 29-PNEUMATIC SLIDING CLAMP 30-PELLET FEED BUNKER 31-PELLET PRESS 32-AIR LOCK 33-PELLET COOLER 34-DUST CYCLONE AND AIR LOCK 35-COOLER ASPIRATOR 36-GRANULE MACHINE 37-CHAIN CONVEYOR 38-BUCKET ELEVATOR 39-PELLET SIEVE 40-OIL UNIT

41-MELAS UNIT 42-STEAM BOILER AND STEAM LINE 43-COMPRESSOR AND AIR LINE 44-CHAIN CONVEYOR 45-PNEUMATIC SLIDING CLAMP 46-PRODUCT SILOS 47-ROTOFLOW 48-CHAIN CONVEYOR 49-PACKAGING CHAIN CONVEYOR 50-PACKAGING BUCKET ELEVATOR 51-AUTOMATIC FEED PACKAGING 52-TELESCOPIC BAND 53-ASSEMBLY MATERIALS 54-ELEVATOR TOWER 55-TREMI STELL COATING 56-VEHICLE UNLOADING PLATFORM 57-STEEL BUILDING 58-ELECTRICAL AND AUTOMATION









BANDED TRANSPORT & STORAGE SECTION

SMÇS	31	RAW MATERIAL & PRODUCT SILOS
SMKS	33	SQUARE SILO
5 SMDS	35	CYLINDER SILO
SMUHV	37	U-TYPE SCREW CONVEYOR
SMTV	39	TUBE SCREW
SMZK	41	CHAIN CONVEYOR
SME	43	BUCKET ELEVATOR
5 SMATK	45	VECHILE WEIGHING PLATFORM
5 SMTL	46	VECHILE LOADING PLATFORM



Raw Material & Product Silos

It is used to store granular and powdered products such as grain or feed. They can be manufactured in various sizes depending on the requirements of the project.



RAW MATERIAL & PRODUCT SILOS

Raw material and product silos, flour, bran, semolina etc. provides solutions to its customers for the storage of powder granule products. It is manufactured in modular form with fully bolted joint. It is easy to assemble and disassemble. The modular system is designed according to the customer's request. It can be designed in requested dimensions and desired capacities. The outer coating is electrostatic oven painted steel, galvanized steel or stainless steel, depending on customer demand. Food grade epoxy painted productions are subjected to special surface treatments such as sandblasting before painting.





Square Silo

It is used to store granular and powdered products such as grain or feed. They can be manufactured in various sizes depending on the requirements of the project.



FEATURES & ADVANTAGES

- Modular and bolted design
- Special type and dimesion designDesign according to the desire size
- and capacity
- Long-term product lifetime
- High capacity in small spaces

The possibility of preventing product accumulation and multiple filling
Not to mixing of the products between cells

APPLICATION FIELD

- Food industry
- Flour and semolina mills
- Feed mills
- Biscuit and macaroni factories
- Dry fruit plants
- Barley plants
- Tea plants
- Tobacco plants
- Other food industry
- Chemical industry
- Painting made plants
- Plastic made plants
- Deterging made plants
- Wooden industry
- Nonferrous product industry
- Stone and soil industry
- Cement industry

WORKING PRINCIPLE

Square shaped silos used for storing different types of products in desired diameters and capacities. Due to common walls in square silos, it provides more storage capacity in confined space compared to round silos. With its modular structure, square silos can be easily added to the facility building and become a part of it by connecting with stairs, wall coverings and other parts.





Cylinder Silo

It is used to store granular and powdered products such as grain or feed. They can be manufactured in various sizes depending on the requirements of the project.



FEATURES & ADVANTAGES

- Modular and bolted design
- Special type and dimesion designDesign according to the desire size
- and capacity
- Long-term product lifetime
- High capacity in small spaces

The possibility of preventing product accumulation and multiple filling
Not to mixing of the products between cells

APPLICATION FIELD

- Food industry
- Flour and semolina mills
- Feed mills
- Biscuit and macaroni factories
- Dry fruit plants
- Barley plants
- Tea plants
- Tobacco plants
- Other food industry
- Chemical industry
- Painting made plants
- Plastic made plants
- Deterging made plants
- Wooden industry
- Nonferrous product industry
- Stone and soil industry
- Cement industry

WORKING PRINCIPLE

Cylinder shaped silos used for storing different types of products in desired diameters and capacities. Due to common walls in cylinder silos, it provides more storage capacity in confined space. Cylinder silos can be easily added to the facility building and become a part of it by connecting with stairs, wall coverings and other parts.





U-Type Screw Conveyor

U-type screw conveyors are used for the transportation or conveying process of any granular products. It can be manufactured in different sizes and capacities depending on the specifications of the product.

APPLICATION FIELD

- At food industry
- Flour and semolina mills
- Feed mills
- At cement industry
- At chemical industry
- At wood processing industry
- At lime processing industry
- At salt processing industry
- For other similar industries

WORKING PRINCIPLE

It is the carrier that provides the transport of raw materials and products horizontally, angled and vertically. It carries out the transport process by the rotation of the rotor, which consists of leaves arranged helically on the steel drawn pipe.

FEATURES & ADVANTAGES

- Standardised dimensions and modular sections
- Standardised spare parts
- Supply and manufacturing possibility for special requests and applications







technical features

model	wheat capacity t/h	flour capacity t/h	bran capacity t/h	maize capacity t/h	semolina capacity t/h
SMUHV 150	10	7	4	9	6
SMUHV 200	17	12	7	15	10
SMUHV 250	27	19	11	24	16
SMUHV 300	39	28	15	35	23
SMUHV 350	53	38	21	47	31
SMUHV 400	70	49	27	61	41
SMUHV 450	88	63	35	79	52
SMUHV 500	109	77	43	97	64

model	А	В	с	D	E	F						
SMUHV 150		230	240	170	150	170 x 170						
SMUHV 200	1500	300	300	220	150	220 x 220						
SMUHV 250	1700	350	365	270	150	270 x 270						
SMUHV 300	1900	400	430	320	200	320 x 320						
SMUHV 350	2100	450	510	380	200	380 x 380						
SMUHV 400	2300	500	550	430	200	430 x 430						
SMUHV 450	2500	550	600	470	200	470 x 470						
SMUHV 500		600	650	520	200	530 x 530						



It is designed to convey all powdered and granulated raw material and finished products of less adhesive at horizontal/limited angular position to meet all industrial sectors need. It is generally used underneath of the product silos for conveying product and makes dosing. The dosing process speed is adjusted by using inverter.

APPLICATION FIELD

- At food industry
- Flour and semolina mills
- Feed mills
- Biscuit and macaroni factories
- Dry fruit plants
- Barley plants
- Tea plants
- Tobacco plants
- Other food industry
- Chemical industry
- Painting made plants
- Plastic made plants
- Deterging made plants
- Wooden industry
- Nonferrous product industry
- Stone and soil industry
- Cement industry

WORKING PRINCIPLE

Due to its cylindrical form, it provides possibility of conveying of product at higher speed and at severe (perpendicular) angles.

FEATURES & ADVANTAGES

- High quality
- High efficiency
- High capacity
- Long life
- Maximum safety
- Maximum simplified use
- Low periodic maintenance
- Rotor tube is made of thick-walled steel drawn tube.
- The coil leaves Its thickness varies according to the intended use.
- It can be manufactured from black
- sheet or stainless materials.









technical features

model	wheat capacity t/h	flour capacity t/h	bran capacity t/h	maize capacity t/h	semolina capacity t/h
SMTV 150	19	14	8	17	11
SMTV 200	35	25	14	31	20
SMTV 250	54	38	21	48	32
SMTV 300	77	55	31	69	45
SMTV 350	106	76	42	95	63
SMTV 400	138	98	55	124	82
SMTV 450	176	125	70	158	104
SMTV 500	218	155	86	195	129

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model	А	В	с	D	E	F
SMTV 150		254	255		170	290
SMTV 200	1100	304	305		220	320
SMTV 250	1300	364	355	500	270	370
SMTV 300	1500	414	405	800	320	420
SMTV 350	1700	468	455	1000	370	470
SMTV 400	1900	525	505		420	520
SMTV 450	2100	582	555		470	570
SMTV 500		639	605		520	620



Chain Conveyor



Chain conveyors allow the grain to be transported at the desired capacity, undamaged and economically, flat or inclined. High quality carrier chain hardened by heat treatment. It provides maximum performance with its chain, chain pin and rollers. Plastic pallets on the conveyor chain prevent steel from rubbing against steel. It is produced in desired capacities.

APPLICATION FIELD

• In the food industries

 \cdot Flour, semolina and feed mills

 \cdot Raw material, grain, grain storage silos and warehouses

WORKING PRINCIPLE

The lower chain section moves along the bottom of the steel casing and conveys the materials. The return part of the chain is guided along the central rail. The chain runs around a sprocket at the outlet end and around and idler at the inlet end. The material and chain travel along at a uniform speed. The product is dropped through the chain at the outlet and flows out of the conveyor. The design of the chain lets several inlets, which can be arranged along the entire length of the conveyor. It is also possible to install outlet gates, which can be manually and remotely controlled.

FEATURES & ADVANTAGES

Provides dust-free and hygienic working conditions

- Protective measures are taken against dust explosions
- High capacity, occupy less space
 Closed structure, dustproof and airtight design
- Reliable (reliable)
- Long life and durability

The most important and working part of a chain conveyor system is the "chain". It is manufactured with a special forging and hardening process to achieve the required high tensile and abrasion resistance of the chain.
Stainless steel chain can be supplied for special applications in food processing and transportation





technical features							
model	wheat capacity t/h	flour capacity t/h	bran capacity t/h	maize capacity t/h	semolina capacity t/h		
SMZK 200	58	18	8	53	15		
SMZK 300	131	42	18	118	35		
SMZK 400	232	75	33	211	62		
SMZK 500	368	117	51	333	98		

	dimensions						
model	А	В	с	D	E	F	
SMZK 200	2380	1112	1112	306 406	294 394	200	
SMZK 400	2000	841	1270	506	494	400	
SMZK 500		911	1341	638	605	1330	





Bucket Elevator SME

particle size up to 50 mm.

FEATURES & ADVANTAGES

- Higher efficiency with less power consumption
- Easy and minimal maintenance
- · Durability and long life
- Trouble-free operation

APPLICATION FIELD

- \cdot Designed for use in both food and non-food industrial applications.
- Food processing industry
- Flour, semolina and feed mills Food processing systems
- · Coffee and cocoa processing plants
- · Chemical and similar plants
- · Cement plants
- · Fertilizer plants
- · Stone and lime plants

WORKING PRINCIPLE

The whole body is fabricated from steel sheet. Because of international safety regulations, inspection and installation covers should only be opened by suitable tools. The driven system is designed to move only in one direction. Reverse movement isn't permitted. For special applications, mostly worn surfaces are supported (covered) with replaceable plates. Drive selection; With direct-coupled reducer motor With chain or belt-pulley driven reducer system





technical features

model	bucket	belt	wheat capacity t/h	flour capacity t/h	bran capacity t/h	maize capacity t/h	semolina capacity t/h
SME 300/180	140	160	11	8.3	3.8	8.6	6.5
SME 400/200	160	180	35.2	26.6	12.2	27.7	20.9
SME 500/300	260	280	117.6	89.2	40.8	92.4	70
SME 600/320	280	300	221.4	167.2	76.5	174	131.1

	dimensions								
model	product inlet A1	product inlet B1	product inlet C1	product outlet A2	product outlet B2	product outlet C2	D	Е	F
SME 300/180	920	290	890	990	240	835	605	175	165
SME 400/200	1130	350	1035	1195	300	1030	750	205	220
SME 500/300	1545	470	1270	1635	420	1420	1065	250	345
SME 600/320	1920	595	1570	2545	523	2067	1440	370	465



WORKING PRINCIPLE

Our vehicle weighing platforms can be installed with or without pits. They have a completely modular structure. With its strong steel construction, it is suitable for use in all areas of the industry. It can be manufactured from 3 meters in width and up to 24 meters in length. It has been designed considering that it is durable and long-lasting, as well as being easy to transport and assemble.

Vechile Weighing Platform TRUCK AND RIG SCALE



Vechile Loading Platform TRUCK AND RIG LIFT

WORKING PRINCIPLE

Our vehicle unloading platforms (lifts) are manufactured in the dimensions needed for trucks and trailers. They have very strong steel construction. The platform provides the opportunity to lift in a balanced way and at the desired angle by using 2 hydraulic stepped pistons. There are hydraulically controlled supports on the back of the platform that the wheels of the vehicle can withstand. Lifting angle can be controlled with the help of a switch. Production with a maximum lifting capacity of 100 tons is possible.





RAW MATERIAL UNIT DIAGRAM



MACHINE LIST :

101-VEHICLE UNLOADING PLATFORM 102-TREMI PIT 103-DUST CYCLONE 104-AIR LOCK 105-DUST ASPIRATOR

106-MOTORIZED SLIDING CLUTCH 107-TREMI BOTTOM CHAIN CONVEYOR 112-CHAIN CONVEYOR 108-TREMI BUCKET ELEVATOR 109-ELEVATOR TOWER 110-THREE WAY TROUSERS CLAMP

111-CHAIN CONVEYOR 113-GEAR SLIDING CLAMP 114-CHAIN CONVEYOR 115-WALKING PATH AND SUPPORT FEET 120-CHAIN CONVEYOR

116-CONICAL BASE RAW MATERIAL SILOS 121-VEHICLE FILLING SILO 117-FLAT BASE RAW MATERIAL SILOS 118-SILO DISCHARGE SCREWS 119-CHAIN CONVEYOR

122-GEAR SLIDING CLAMP 123-TREMI STEEL CLOSING 124-ELECTRICAL AND AUTOMATION









FLAKE MACHINERY SECTION



FLAKE ROLLERMILL	51	SMFV
DRYER TUNNEL	53	SMFK
DAMPENING TOWER	55	SMTK
PROFROG	59	



Flake Rollermill SMFV

In the flake roller, grains such as corn and barley are In the flake roller, grains such as corn and barley are exposed to steam and high heat for a certain period of time. The flaking process is done by processing under pressure. In this way, its digestibility is increased. The product coming from the annealing tower is distributed evenly in the roller, and the flaking process is carried out thanks to the special balls in the roller.

WORKING PRINCIPLE

The cooked semi-finished product is separated from the steam by the feeder system coupled to the machine and conveyed to the crushing roller balls. The product, which is crushed in the desired thickness in roller balls, is sent to the Dryer through the discharge channel.

FEATURES & ADVANTAGES

- Feeder unit
- Magnet Motorized slide valve
- \cdot It can be manufactured in desired capacities.











	technical features						
model	capacity t/h	motor kw	ball dimensions diameter	ball dimensions length	ball number	model	
SMFV	5	2X37	500	900	2	SMFV	







WORKING PRINCIPLE

The product is taken to the first unit, the drying stage within the tunnel where the hot air is applied received from the hot air channels and dries the product. The next stage is cooling unit, where the product is left to ambient air to cool down and the heat is vacummed by vents. When the product reaches the desired heat and moisture values, it's caried by conveyor belts To the next station.

OPTIONS & ACCESSORIES

It can be manufactured in desired capacities.







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technical features				dimensi	ons	
model	motor kw	capacity t/h	model	Α	В	с
SMFK	0.75	5	SMFK	8165	2480	2090



Dampening Tower

In the dampening tower, the raw material to be flaked is transported to the dampening tower with the help of a conveyor, and it is cooked with steam at the determined temperature and pressure in the tower. Annealing is carried out in a balanced manner by giving regular and multiple points of steam into the tower. The raw material is transferred to the flake roller by ensuring its digestibility and making it suitable for flaking with high heat and steam pressure.

WORKING PRINCIPLE

The humidification process is done with regular and stabilized steam application from more than one point. High heat and steam level increase digestibility. It prepares the product for flaking and delivers it to the flake roller.



OPTIONS & ACCESSORIES

It can be manufactured in desired capacities.







	dimensi	ons	
model	А	в	с
SMTK	1000	9575	1495



CORN AND BARLEY FLAKE FACTORY DIAGRAM





MACHINE LIST :

01- TREMIE ELEVATOR	16- FLAKE ROLLERMILL
02- MAGNET	17- COOLING TUNNEL
03- GRAIN SEPERATOR	18- DUST CYCLONE
04- DUST ASPIRATOR	19- ASPIRATOR
05- JET FILTER	20- BUCKET ELEVATOR
06- TUBE SCREW	21- AIR LOOCK
07- BUCKET ELEVATOR	22- COOLER
08- U TYPE SPIRAL	23- DUST CYCLONE
09- PNEUMATIC VALVE	24- ASPIRATOR
10- RAW MATERIAL SILO	25- CONVEYOR BELT
11- TUBE SCREW	26- BUCKET ELEVATOR
12- BUCKET ELEVATOR	27- AUTUOMATIC PACKING
13- COOKING TOWER	28- MACHINE CHASSIS
14- STEAM BOILER	29- ELECTRICITY AND
15- MOTOR VALVE	AUTOMATION





Telescopic conveyor systems provide the most effective transportation and stacking opportunities for vehicles such as pickup trucks, trucks and trucks, mainly in the logistics sector. The operator can easily adjust the belt position according to the stacking situation.



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telescopic band

NG





band dimensions





band dimensions

technical features						
	model	motor kw	weigths net kg	weigths gross kg	band speed m/min.	capacity p/min.
	PF17 - 4	2,2	3500	4200	18-36	15-30
	PF14 - 3	2,2	3200	3800	18-36	15-30
	PF12 - 2	2,2	2400	2900	18-36	15-30

other bands

STRAIGHT BAND

Flat belt conveyors are transport vehicles with high carrying capacity that can be accessed in continuous material handling. In flat belt conveyor systems, an endlessly moving belt carries the material to be conveyed horizontally or inclined to the desired location.

ANGLED BAND

Angled belt conveyors are used in transportation areas where there is a level difference, and in application areas such as parcels, sacks, etc. to the desired quota.

ROTATION BAND

Rotation conveyors are produced with conical rollers. It can be produced as standard 45°, 90°, 180°. In addition, special production can be made at intermediate grades.

transportation system

Thanks to our conveyor belt models, you can carry out flat transportation, angled transportation, maneuvering transportation, transportation in different quotas, or vehicle loading and stacking at all points of your production line in your facility, without using manpower.

you can move all your products

all with SADE QUALITY

BENDING

PLASMA

ASSEMBLY

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SEAMING

OVEN-DYING

CNC TURNING

LASER

We hope to collaborate more with you in the future.

Thank you for your interest.