ÖZYURT MAKİNE

PRODUCT CATALOGUE



"There is no production that cannot be done in Turkey."

ABOUT US

Ozyurt Makine operates with a robust vision that believes in the potential for any form of production to thrive in Turkey. Our company specializes in mineral, mobile mineral, and chemical processing. We officially affirmed our commitment to high-quality standards by obtaining the ISO9001 certification in 2011. Since then, Ozyurt Makine has continuously elevated customer expectations by securing patents and trademarks in the fields of production and trade.

Mr. Turan Ozyurt, the founder of our company, combined his extensive knowledge and experience accumulated over the years with a team of manufacturing specialists. This synergy has positioned Ozyurt Makine as a specialist in mineral machinery, encompassing crushing, screening, grinding, and dewatering.

One of the distinguishing features of our company is our Research and Development department, which assists companies and institutions by designing machines and processes they require but cannot procure. We provide tailored solutions, contributing to our customers' success.

Ozyurt Makine serves clients across Turkey and in the international market, approaching each project with a focus on quality, innovation, and customer satisfaction. We are here to help our customers make their operations more efficient and competitive. At Ozyurt Makine, we are committed to providing the best solutions, no matter your production and processing needs.

Feel free to reach out for more information, to discuss customized solutions for your projects, or to explore collaboration opportunities. Ozyurt Makine is always at your service.

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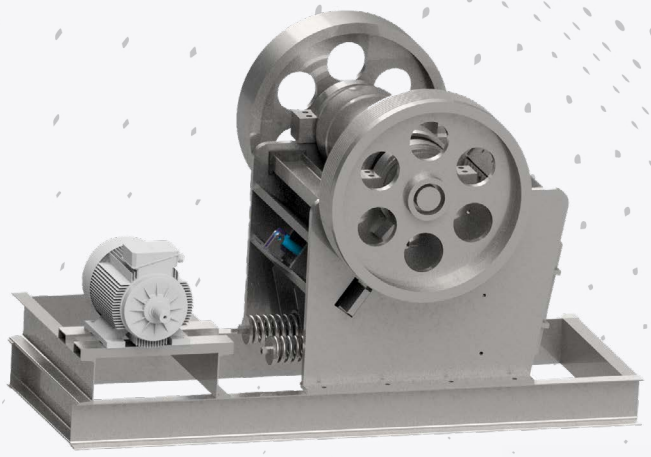
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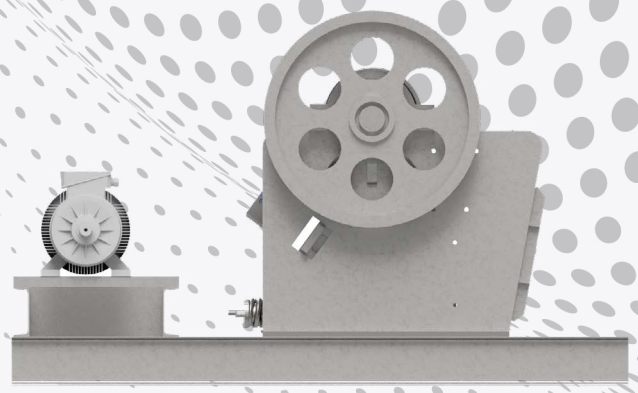
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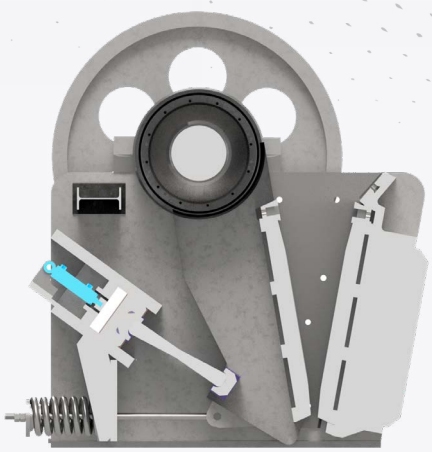
ÖZYURT MAKİNE


TRUST
FIRST
Crushers
ÖZYURT
MAKİNE

Jaw crusher
Name of the product







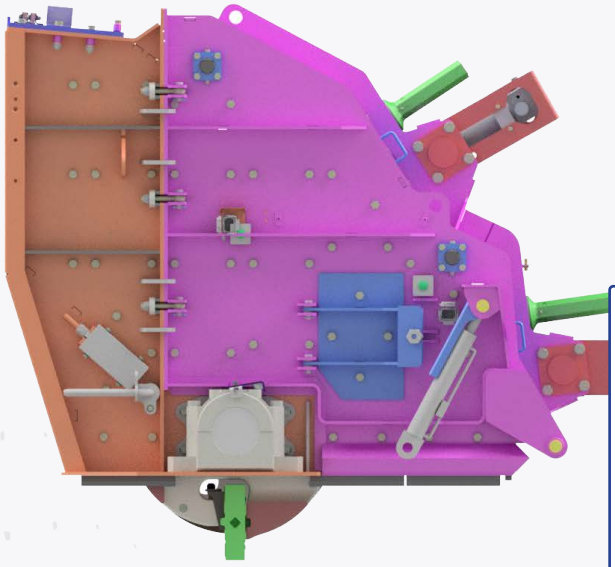
Technical Data

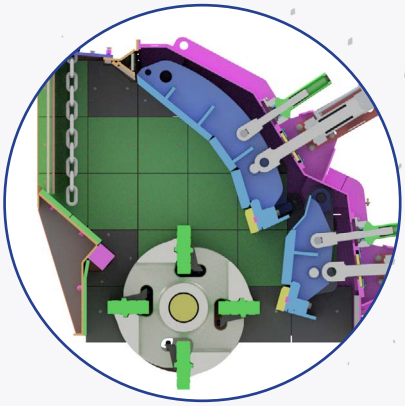
Type	H mm (inch)	L mm (inch)	W mm (inch)	Weight complete kg (lbs)	PowerkW/Hp
J 80	1700 (67)	2020 (80)	1565 (62)	9520 (21000)	75 (100)
J 96	1930 (76)	2290 (90)	1640 (65)	11870 (26170)	90 (125)
J 106	2400 (95)	2680 (106)	1930 (76)	17050 (37590)	110 (150)
J 116	2650 (104)	2890 (114)	2050 (81)	21500 (47300)	132 (175)
J 120	2950 (116)	3030 (120)	2400 (95)	29300 (64700)	160 (200)
J 130	3330 (131)	3600 (142)	2740 (108)	44000 (97000)	160 (250)

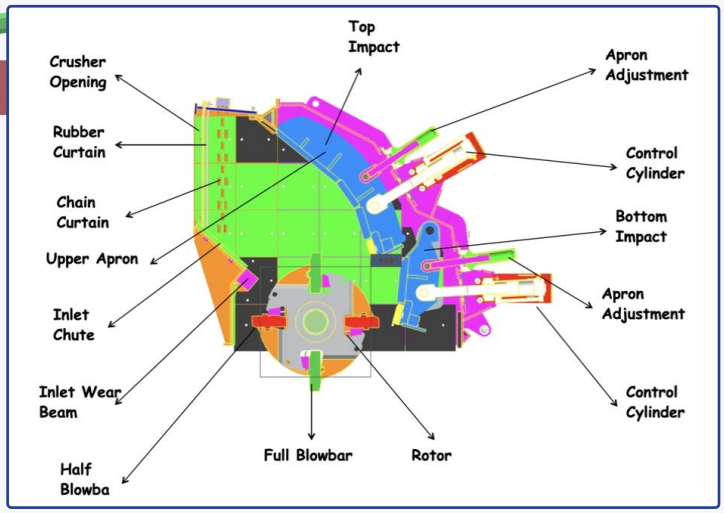
Jaw crushers have been the mainstay of the mining and quar- rying industry for more than a century and, to a great extent, this situation continues. Apart from some advances (in bearing types, manganese wear liners, frame construction, and adjust- ment systems), the basic frame shape and principles of opera- tion have not changed greatly since the machines were first introduced in the mid-19th century.

ÖZYURT MAKİNE

Impact Crushers
Name of the product





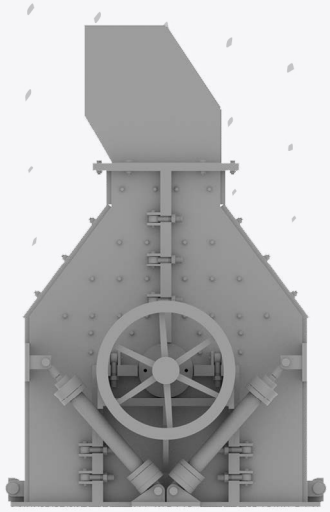


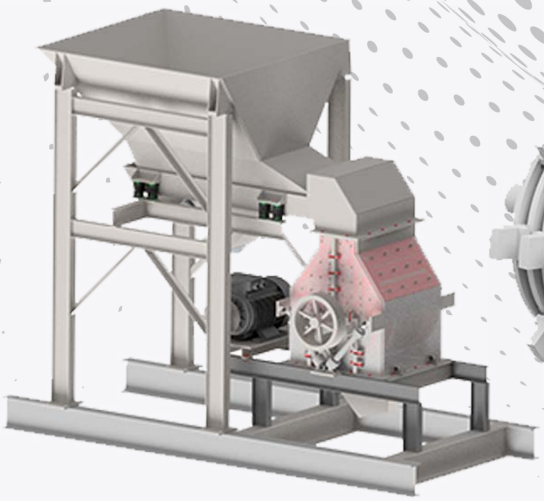
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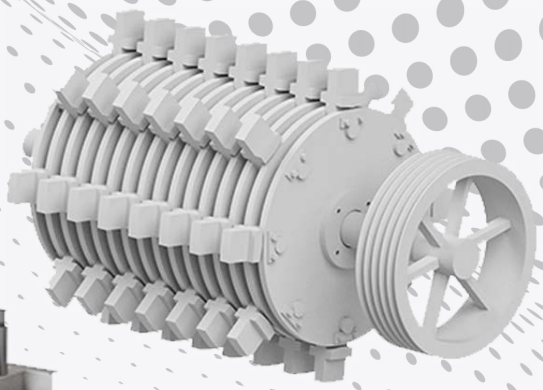
Type	H mm (inch)	L mm (inch)	W mm (inch)	Weight complete kg (lbs)	PowerkW/Hp
IC 1110	2 716 (107)	3 487 (137)	2 106 (83)	8 (9)	250/350
IC 1313	3 405 (134)	3 396 (134)	2 560 (101)	16 (18)	200/250
IC 1415	3 600 (142)	3 395 (134)	2 790 (110)	20 (22)	250/350

The family of impact crushers all rely on applying a high- speed impact to a falling stream of material and accelerating falling material to a high velocity, therefore causing either particle-on-particle or particle-on-metal breakage. The break- age of the particles is unconstrained and this imparts specific performance characteristics to this type of machine.

Hammer Crushers
Name of the product







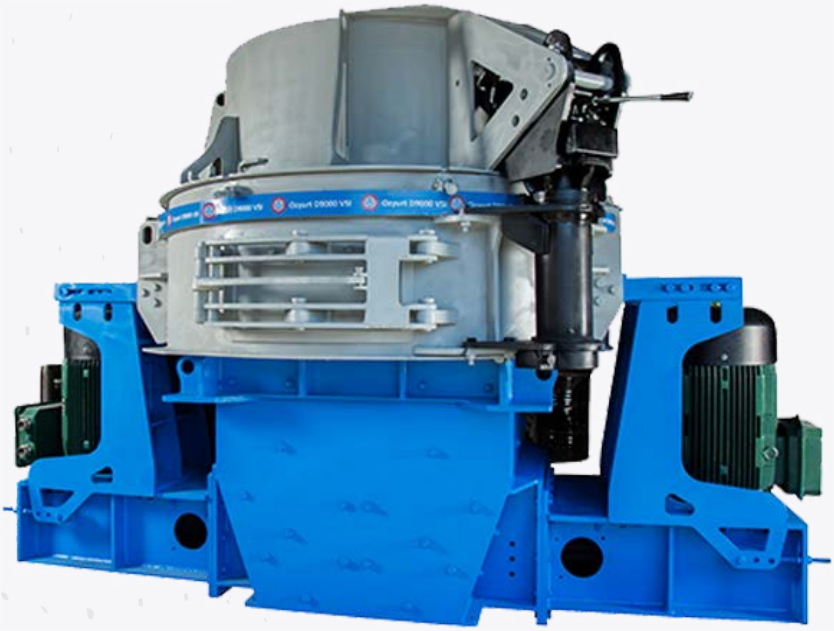
Technical Data

Type	Rotor dimensions Ø x width [mm]	Capacity* for 95 % < 3 mm [t/h]	Installed Power* [kW]	Weight [kg]
OHM 6525IC	650 x 250	5	15 - 45	1.500
OHM 6550	650 x 500	10	18 - 55	1.800
OHM 6575	650 x 750	15	22 - 75	2.400
OHM 1075	1.000 x 750	25	30 - 160	4.800
OHM 10125	1.000 x 1.250	40	45 - 200	6.800

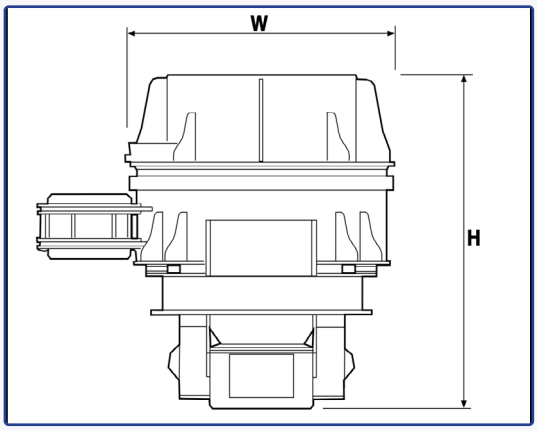
Hammer Mills OHM are employed for the fine crushing and/or drying & grinding of medium-hard to soft materials such as: Anhydrite, quicklime, lignite, dolomite, electronic scrap, gypsum, glass, potash, limestone, china-clay, diatomite, chalk, phosphates, salts, French chalk and clay.

Vertical Shaft Impactor (VSI Crusher)

Name of the product







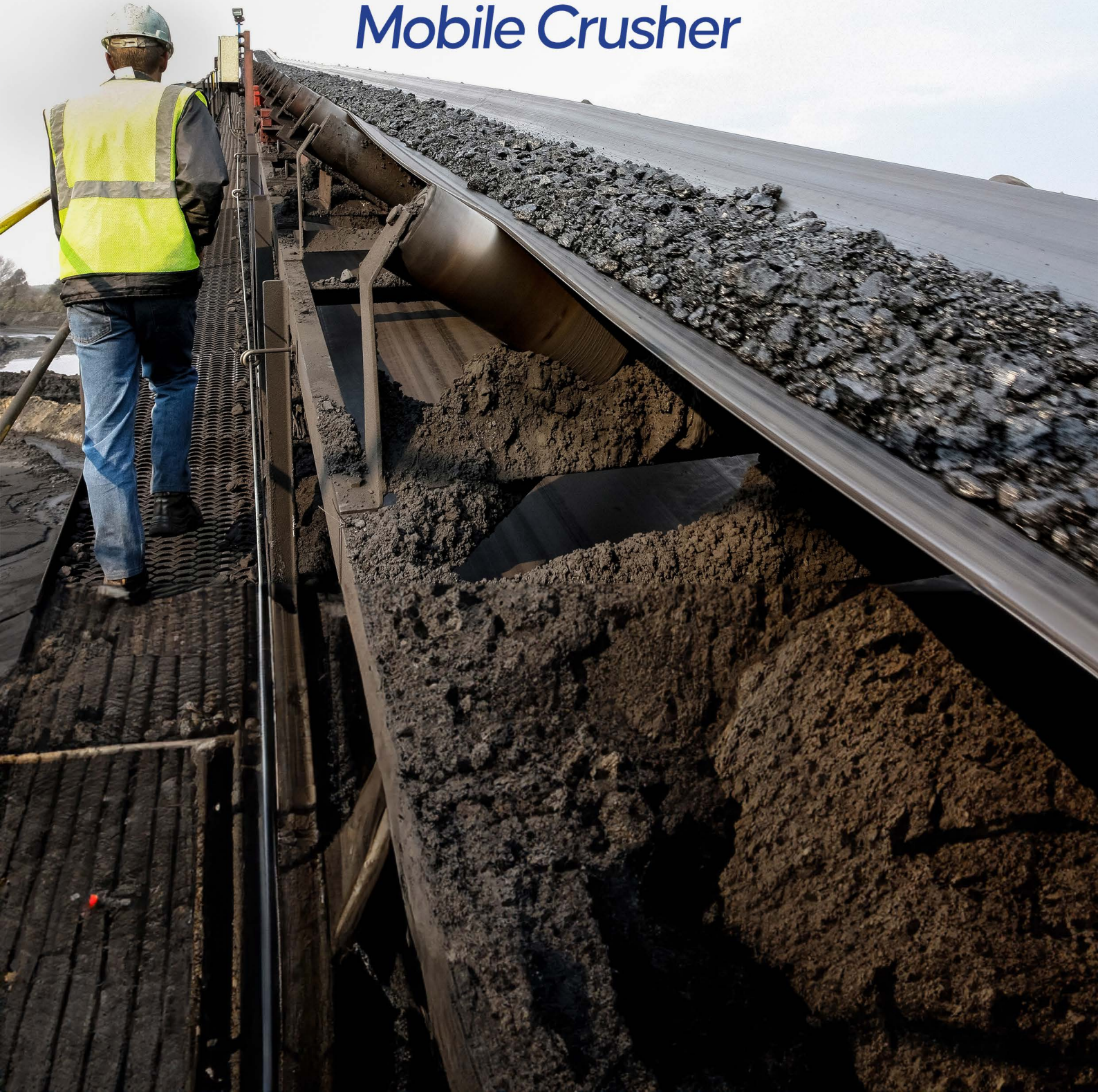
Technical Data

Type	H mm (inch)	W mm (inch)	Weight MT (US ton)	kW/Hp Max. power
D6100IC	2 189 (86)	1 870 (74)	4,5 (5)	150/20
D7100	2 464 (97)	2 220 (87)	10 (11)	300/400
D9100	2 813 (111)	2 434 (96)	12 (13)	600/800

VSI crushers are especially useful for producers who are after cubical end products used for example in concrete, asphalt,groundwork materials, manufactured sand, pre-grinding, industrial minerals, and recy-cling applications.

EXPERIENCE IS NOT ACCIDENTAL

Mobile Crusher





Product Description
Technical Data



Engine power fuel type: Diesel



Engine power: 330 kw

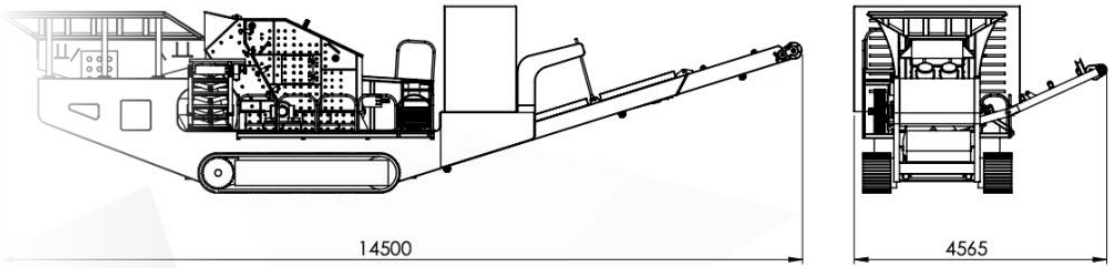


Number of cylinders: 6

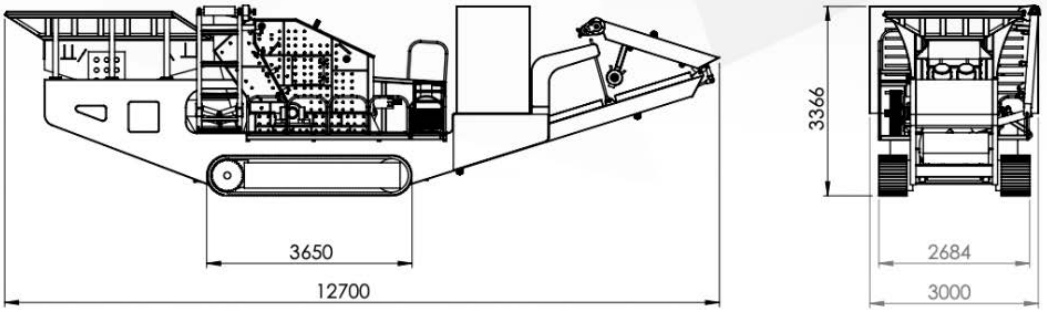


Fuel consumption: 25-28 liters

Operating Dimensions



Transportation Dimensions



General Properties of the System

1) The system operates solely on electric.

2) The electric produced by the diesel generator that is designed specifically for this machine feeds the system

3) As in all mobile stone crushers, the system is controlled remotely.

4) In addition to remote control, it s has a cable control as well.

5) Sieved loopback system is available as an option. In accordance with the demand of the customers, it can be added to all of the models of the machine that are being manufactured by our company.

6) Magnetic line is available in the system as standard.

7) By enabling remote access to the machine, information like its location, trouble shooting and all working data can be obtained.

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System Breaker Properties

1) Thanks to the electric system utilized, at the points where there is regular supply of energy is available, the generator can be deactivated. As a result of this, up to 75% operational savings can be achieved.

2) Due to electricity based operation of the system, serious savings advantages in the maintenance and repair expenses can be achieved.

5) Sieved loopback system is available as an option. In accordance with the demand of the customers, it can be added to all of the models of the machine that are being manufactured by our company.

3) All of the mobile palletized stone crushers that are manufactured in the world and in our country are based on hydraulic systems. Due to system difference of the electric stone crusher that we are manufacturing, with the same level of kW power, the level of fuel consumed generates 25% of operating advantage.

4) Thanks to magnetic system driver, the rotor speed can be adjusted to enable the user conduct breakage at the speed he determines.







Why Electric Mobile Stone Crusher

1. The system operates based on electrical energy. This creates serious advantage in terms of repair and maintenance expenses In hydraulic systems, after elapse of a certain amount of operating time, due to wear and tear, hydraulic pumps need maintenance and replacement. Such repair and replacement operations associated with hydraulic pumps are usually very costly. In electrical systems such maintenance and replacement cıst̀s does not exist.

2. In machines operated on hydraulic systems, when the climatic conditions are hot, due to degrease in the viscosity of the hydraulic oil, the efficient drops and leakages increase. In electrical systems however, such a loss in efficiency is not observed and increase in the air temperature literally has no effect on machines that are operated on electric.

3. Thanks to electrical system used, at places where sustained electricity supply is available, the generator system is deactivated. This enables the operators to achieve up to 75% improvement in operating efficiency. In hydraulic systems, however, such an improvement is not possible.


THROUGH
TECHNOLOGY
GRINDING MİLLS

Ultra Fine Grinding Mills

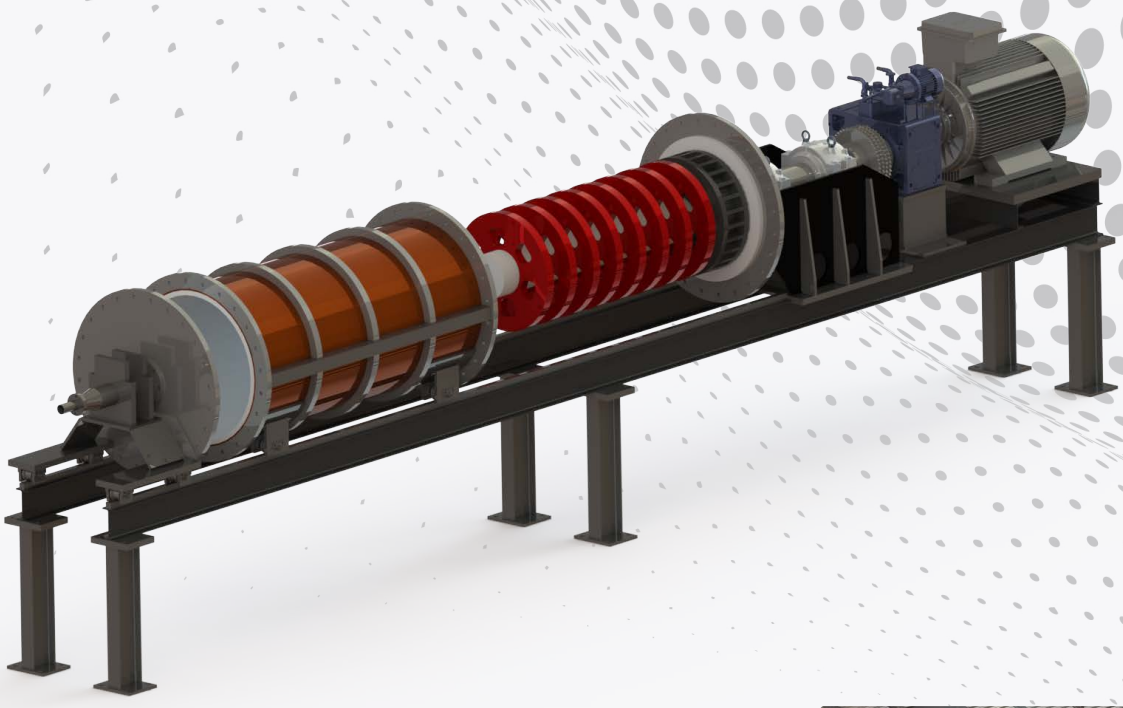
Name of the product



Type	Grinding Chamber Volume (Litres)	Drive Capacity (kW)	Total Unladen Mass (t)	Dimension A (mm)	Dimension B (mm)	Dimension C (mm)
D1000	1000	355	15	6400	1500	2400
D3000	3000	1120	23	16500	2950	2400
D10000	10000	2600	62	20000	3290	3450

Product Description

The basic principle of the UltraFineGrindingMill is that it fluidizes a charge of small ceramic grining media. Media and coarse particles are centrifuged to the outside of each disc where backflow from the product separator keeps them in the mill until the ore is ground enough by attrition and compressive forces to pass down the middle of the mill and discharge. Because of this process, external classification is not always required, but cyclones or thickeners may be required ahead of the mill to achieve a suitable operating density. The UltraFineGrindingMill comes in a variety of sizes, with the mill model denoted by the chamber volume in liters. For example, the D10000 has an internal volume of 10,000 or 2.40 gal. UltraFineGrindingMill are installed in several rgrind and UFG duties in copper, lead/zinc, platinum, gold, molybdenum, nickel, and iron ore duties.



Product Advantages

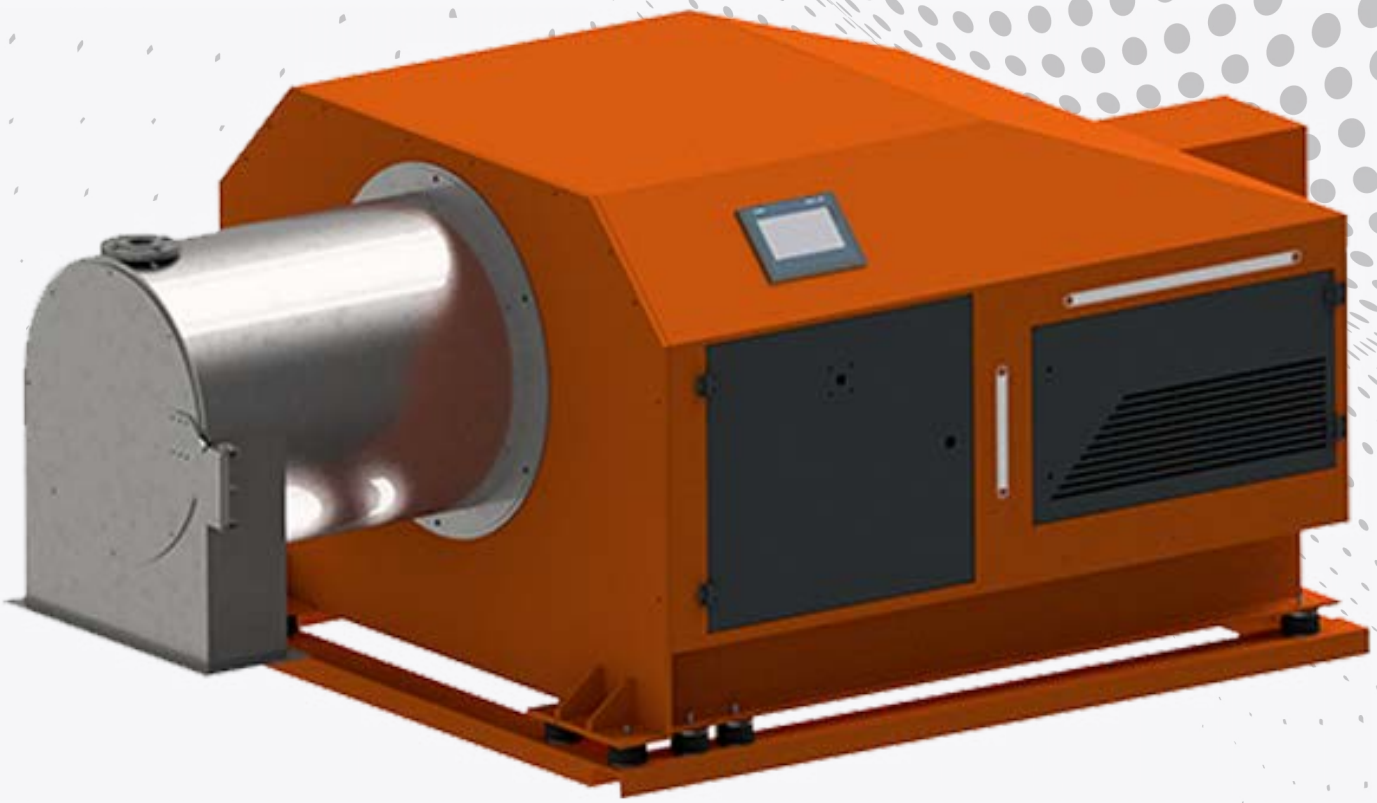


• **Increases the efficiency of Flotation / Leach processes.**
Grinders that do not react produce clean and fine mineral surfaces.
• **No sieve**
ultra-fine grinding technology at the highest density (300 kW/m3)
• **Massive grain reduction**
In fine grinding, the ultrafine grinding rate is much higher than in all other grinding technologies. The reduction ratio of the ultra-fine grinding mill ranges from 2:1 to 16:1.
• **Quick and simple maintenance**
When it is time to change the discs, the change is made in less than 6 hours and the machine gets ready to work.
• **Horizontal Design**
The horizontal structure was chosen for the plug flow design. This prevents short circuits and makes the mill less susceptible to production downtime.




FOR YOU
CENTRIFUGES

PUSHER CENTRIFUGE
Name of the product



Fields of Application

Bulk Chemicals

- Borax/Boric acid
- Ferrous sulphate
- Soda applications
- Sodium applications
- Sodium chlorate
- Sodium chloride
- Sodium sulphate

Agrochemicals

- Ammonum chloride
- Ammonium sulphate
- Photosphates
- Potassium chloride
- Potassium sulphate
- Urea

Plastics

- ABS
- Adipic acid
- BPA
- Melamine
- Paraxylene
- POM
- Sodium formiate

Foodstuff

- Lysine
- Phosphoric acid
- Sodium
- Hydrogen carbonade



Product Description

Model	Nominal Diameter (mm)	Length	Width	Height	Capacity (stph)	Power (kw)
OSP-250	250	1800	1200	600	5.5	7.5
OSP-350	350	2200	1300	650	7.5	11
OSP-450	450	2500	1700	1000	15	22
OSP-600	600	2600	1750	1450	20	30
OSP-800	800	2800	1900	1300	25	37
OSP- 1000	1000	3500	2600	1800	75	110
OSP 1200	1200	3800	3000	2400	100	150

Function

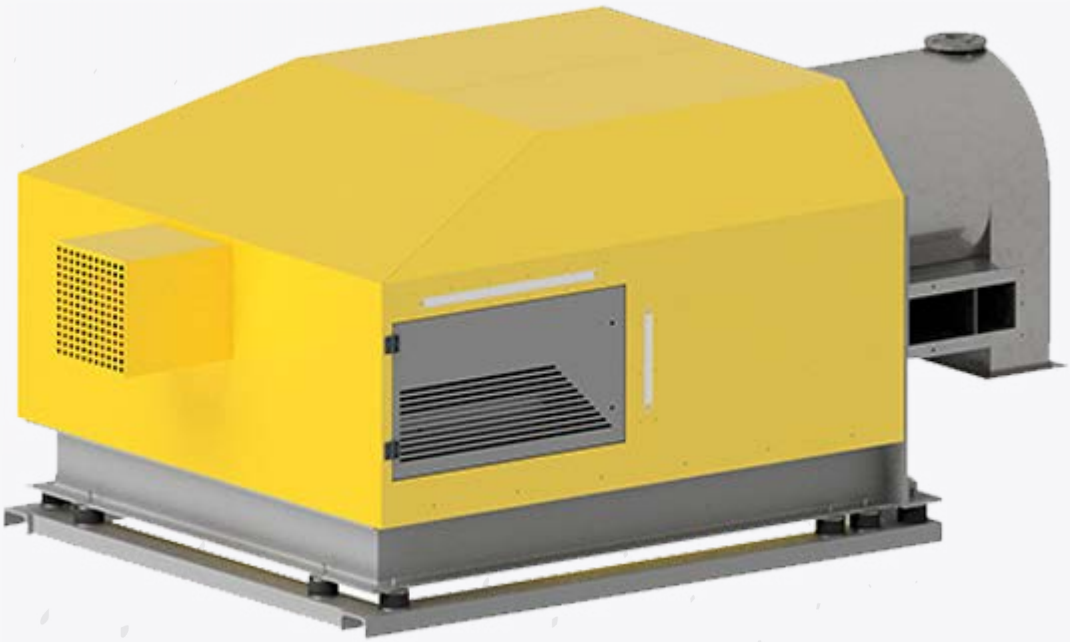
Pusher centrifuges are continuous filtering centrifuges used for dewatering and washing free-draining bulk crystalline, polymer, or fibrous materials . Where suited, they provide the best washing characteristics of any continuous centrifuge due to control of retention time, uniform cake bed, and essentially plug flow of solids through the unit . For a typical appli- cation such as salt, they range in capacity from about 1 ton/h for small (250-mm-diameter) units up to about 120 tons/h or more in the largest units (1250-mm-diameter) . They are generally applied where the mean particle size is at least 150 µm . Typical solids retention time is between 10 and 30 s . Normally the machine is fed by a feed pipe, but it can also be used as post- treatment of a prior dewatering step such as a vacuum filter . In this case it is fed by a feed screw . Due to the gentle handling of the product, pusher centrifuges are better suited Due to the gentle handling of the product, pusher centri- fuges are better suited for fragile crystals than are other types of continuous filtering centrifuges

Processing Parameters

Avarage particle size: 80-2000 µm
Solids throughput: up to 150 t/h
Solids recovery: > 98%
Solids concentration of slurry to be seperated:
- for crystalline products: 30-75 M%
- for fibrious products: 2-12 M%
- for plastics: 5-25 M%

Processing Advantages

- Low energy consumption
- Outstanding product quality
- Unmatched capacity
- Superior maintenance concept



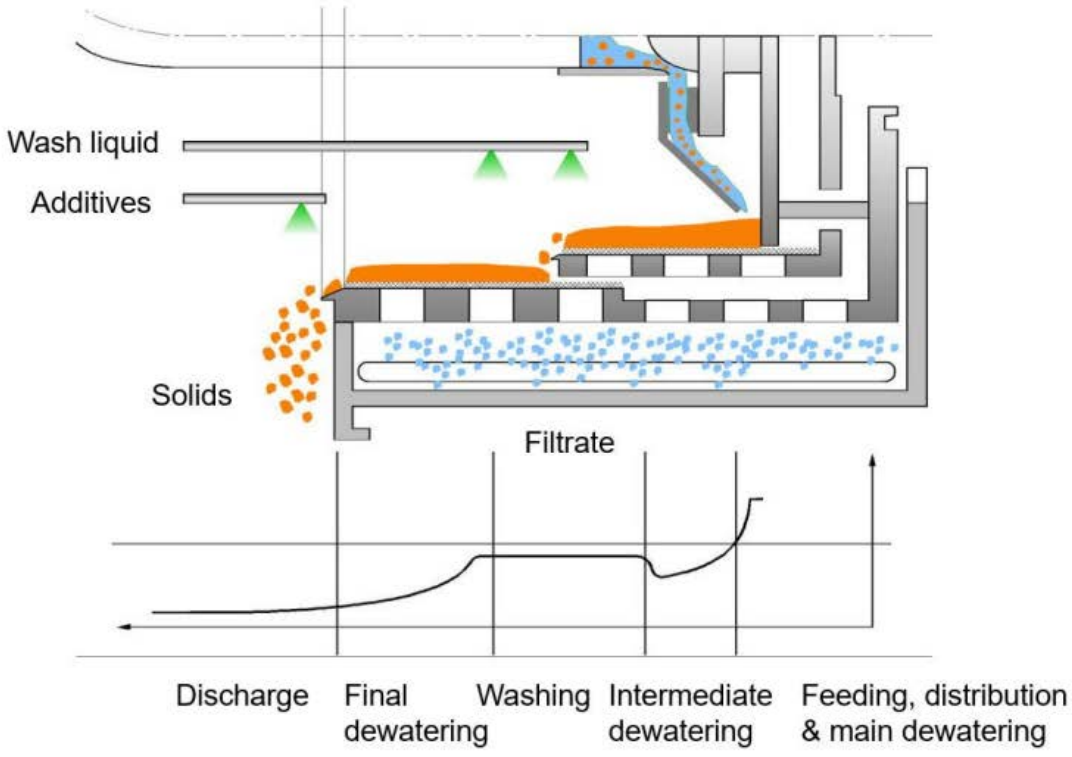
Construction Materials

Stainless steel, Nickel Alloys

Processing Advantages

With the mechanical drive, a worm screw is driven by a motor via a V-belt. An eccentric converts the rotary motion of the gear output shaft into a pusher motion. The pusher fr quency depends on the ratio of the V-belt drive of the motor to the worm gear. Pusher centrifuges with a mechanical drive are extremely maintenance-friendly. This is because no significant maintenance work is required apart from recurrent lubrication of the bearings. The individual drive components can be replaced without disassembly of he centrifuge. A major advantage: The machine does not require cooling water. Machines with a basket diameter of 250, 350, 450, 600, 800, 1000 and 1200 mm are fitted with the mechanical drive system.

Process Basics Pusher Centrifuge



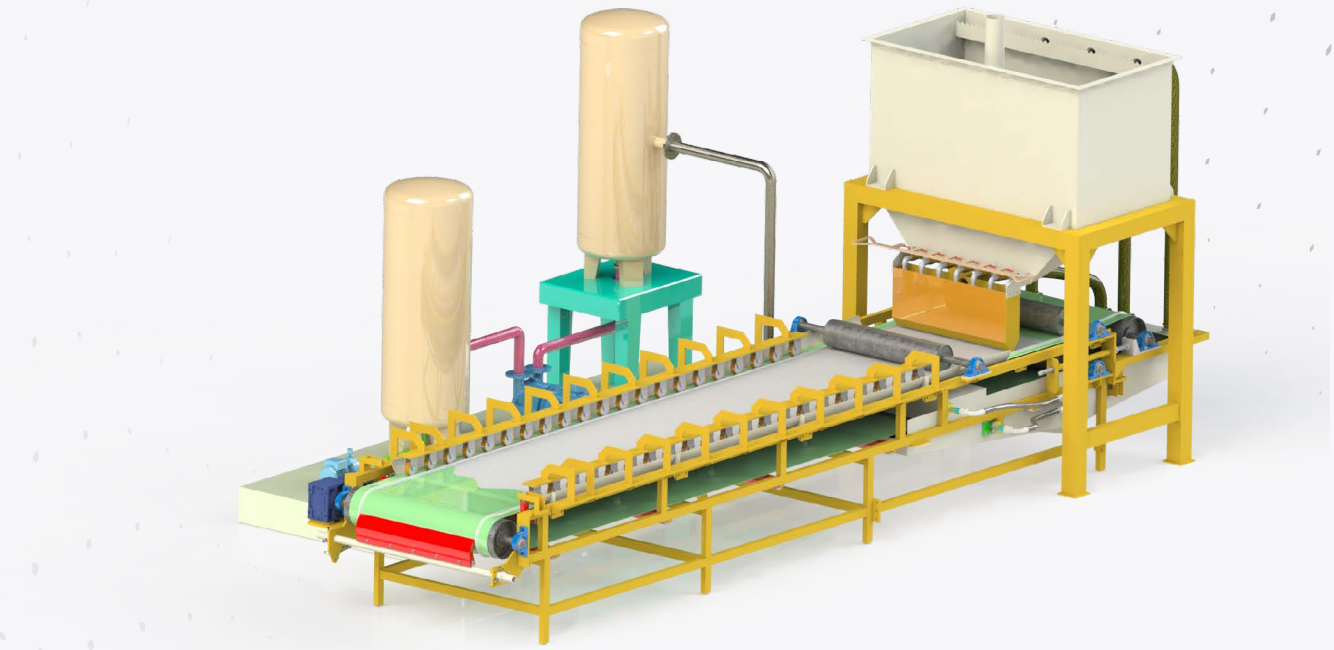


ROCK SOLID

DEWATERING

HORIZONTAL VACUUM BELT

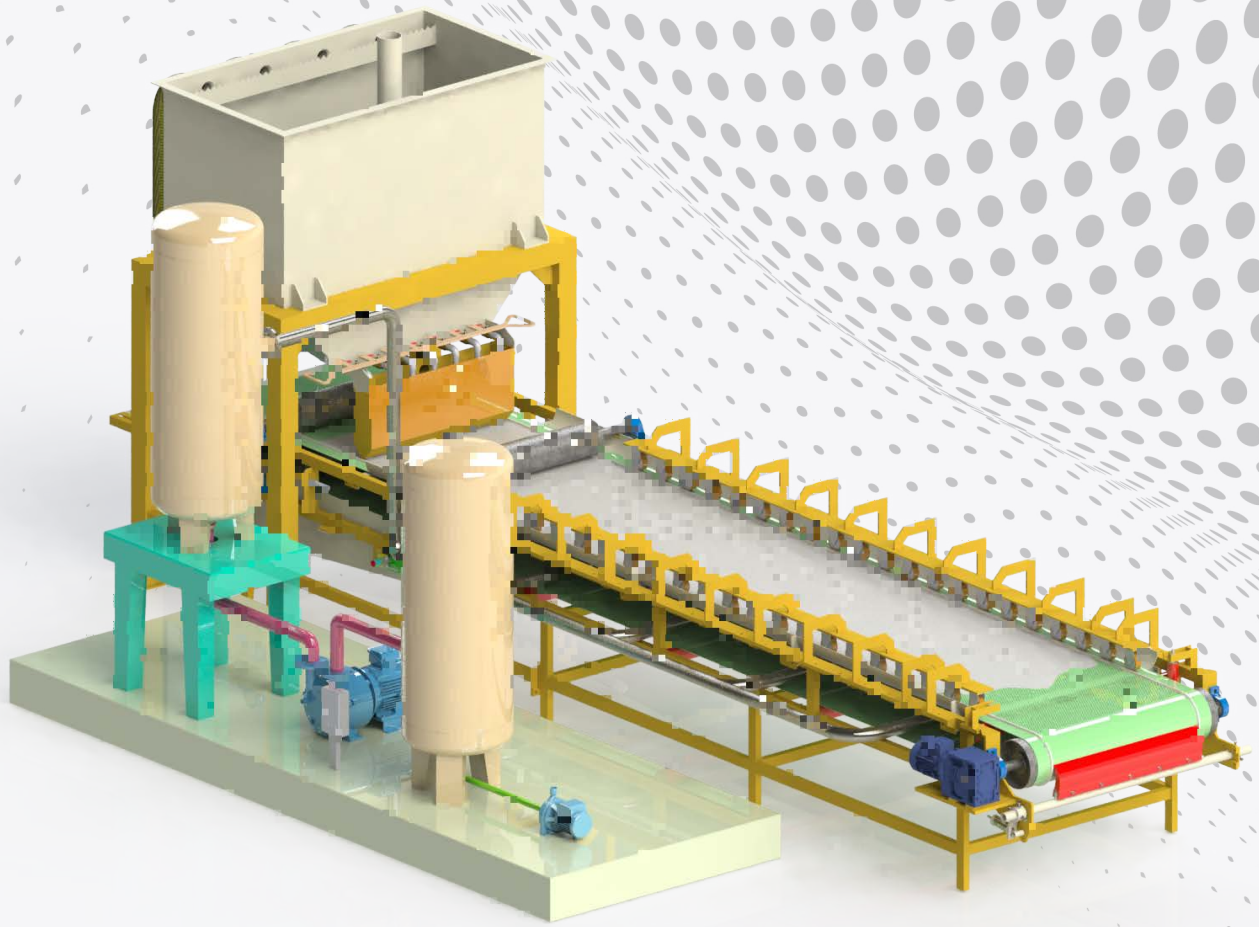
Name of the product



PRODUCT DESCRIPTION

With the mechanical drive, a worm screw is driven by a motor via a V-belt. An eccentric converts the rotary motion of the gear ou Horizontal Belt Filters provide a continuous vacuum on a horizontal plane.

Slurries are fed onto a filter cloth supported by a traveling drainage belt. Horizontal belt filters are especially adaptable to applications where low cake moisture is desirable. Backed by extensive practical experience gained from a wide range of applications worldwide, OZTECH offers a complete engineering and contracting service to the liquid/solids separation industry. OZTECH horizontal belt vacuum filters have been developed and improved in mechanical design by working closely with engineers and operators at many key installations. Today OZTECH offers a wide range of units from the smallest 1 m2 pilot filter up to 12 m2 in effective filtration area. All of these units are capable of running at speeds up to 200 ft/minute at vacuum levels up to 25 inches of mercury at sea level. Making use of the most modern materials of construction, OZTECH's latest designs outperform traditional rotary drum, disc tilting pan and table filters in all situations, both in throughput and final cake moisture. tput shaft into a pusher motion. The pusher fr quency depends on the ratio of the V-belt drive of the motor to the worm gear. Pusher centrifuges with a mechanical drive are extremely maintenance-friendly. This is because no significant maintenance work is required apart from recurrent lubrication of the bearings. The individual drive components can be replaced without disassembly of he centrifuge. A major advantage: The machine does not require cooling water. Machines with a basket diameter of 250, 350, 450, 600, 800, 1000 and 1200 mm are fitted with the mechanical drive system.



Product Advantages

- High Efficiency Dewatering
- Low Cake Moisture

Fields Of Applications

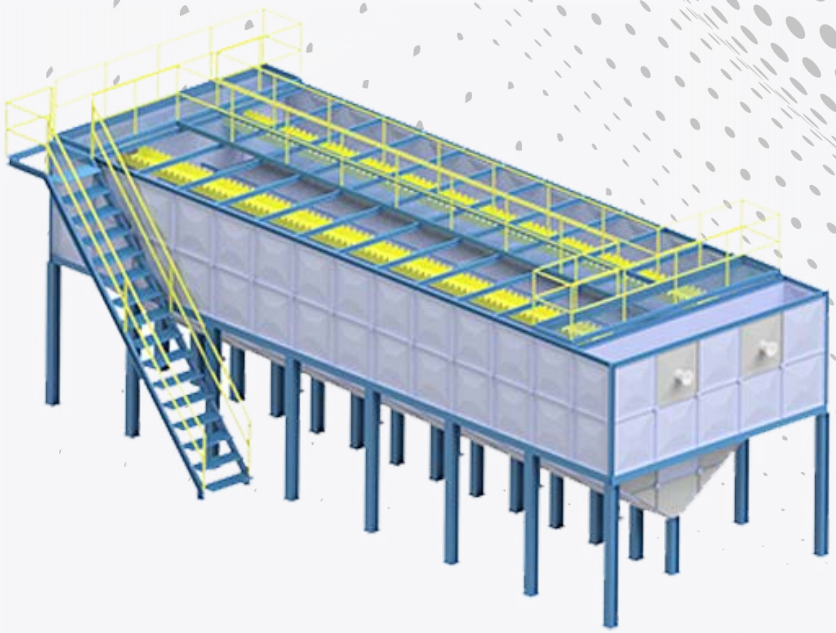
- Coal
- Phosphoric acid
- Chemicals
- Copper leach
- Gold
- Industrial minerals
- Uranium

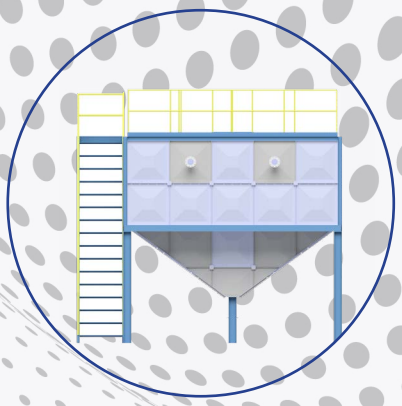


MORE STRONG

LAMELLA SEPARATOR

Lamella Separator
Name of the product







The Lamella Principle The lamella principle utilizes a series of closely inclined plates to increase the settling area available per unit of plan area. In this way both settling and thickening requirements can be closely matched in plan area to reduce the size and cost of the gravity settler. The two basic criteria for gravity settling equipment are good clarity of the overflow liquid and maximum density of the underflow solids discharge

System advantages

One of the main advantages of Lamella Separators over other clarifying systems is the large effetive settling area caused by the use of inclined plates, which improves the operating conditions of the clarifiers in a number of ways.

- They can be designed in a wide range of sizes and configurations to suit each project.
- Reduced footprint designs with large treatment capacity.
- Minimal civil requirements
- Quick on-site installation time.
- High solid-liquid separation efficiency
- Low energy system that can work with or without chemicals
- Few mechanical, moving parts which offers lower chance of mechanical failure and in turn, offers a safer working environm

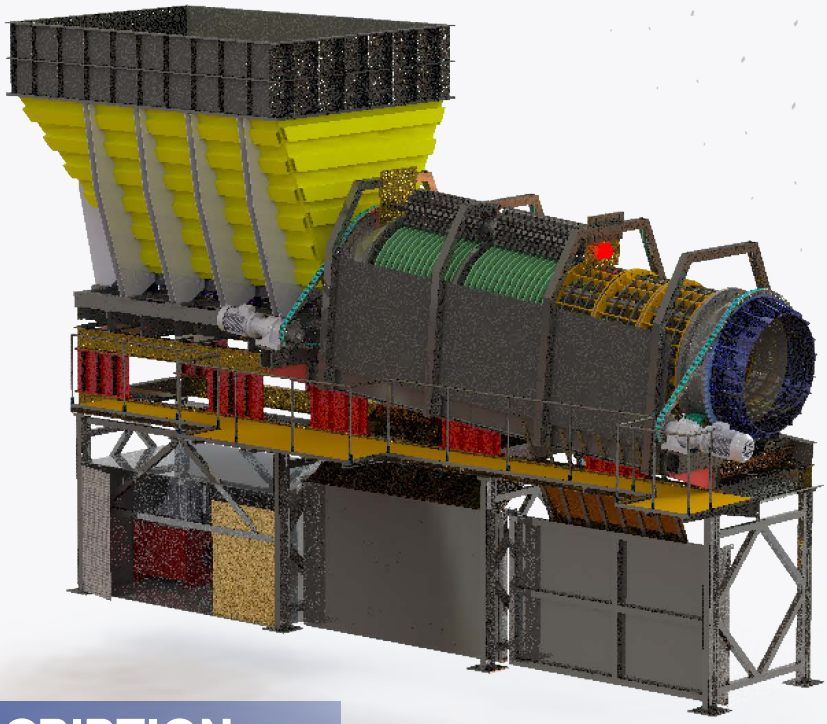


What industries could use a Lamella Separator?

The treatment units can be used in a range of applications and industries, as either a standalone unit or as a component of a complete plant. Project applications that can be delivered are primary and secondary settling, tertiary treatment, sludge thickening and pre-water treatment. Industries that may benefit from this technology are; potable water clarification, gravel and sand industry, recycling and paper industry, food processing industry, glass, ceramics and stone industries, chemical industry, steel and metal processing industry, construction sites/ tunnelling, energy industry, waste and landfill industry.


JUST TRUST
SCREENS

TROMMEL SCREEN
Name of the product

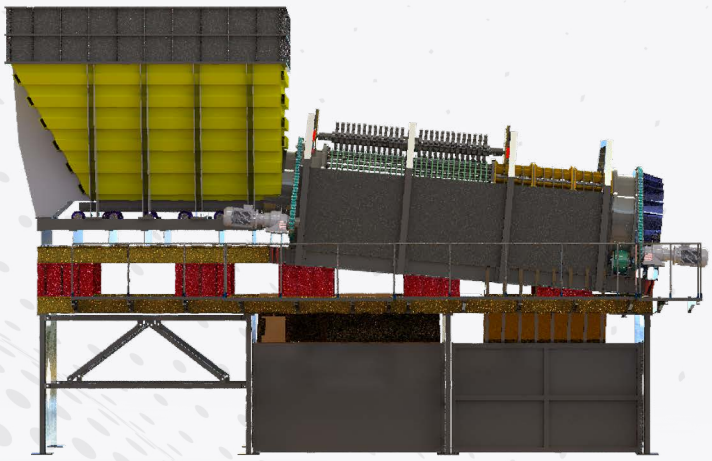


PRODUCT DESCRIPTION

The TE 1560 Mobil Trommel is ideal for screening all types of materials in quarries, mines and recycling plants. The sieve body design can be designed according to the structure of the material to be sieved and the preferred material size. It provides cleaning of contaminated material (up to 1000 mm) from moisture, dirt and clay. It is designed to withstand the weight and rolling movements of large rock pieces that will enter into the body structure of the trommel.

TECHNICAL DATA

- > Weight : 50 Tons / 50,000 Kg
- > Capacity (1 hour) : 350-400 t/h
- > Sieve Body Diameter : 1500 mm
- > Sieve Body Length : 6000 mm
- > Max. Feed Size : 1000 mm
- > Bunker Capacity : 35 m3
- > Feeder Drive System : Hydraulic Drive System
- > Trommel Drive System : Electric Motor



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