




MEKA

CRUSHING&SCREENING

www.mekacrushers.com

MEKA

ABOUT MEKA

With more than 2,000 plants in over 65 countries on 4 continents, Meka is helping to build a better world.

30 YEARS IN THE AGGREGATE AND CONCRETE PRODUCTION INDUSTRY

Meka was founded in 1987 in Ankara, Turkey, by a well-educated, visionary and enthusiastic team with the goal of providing professional engineering services and producing high-quality construction machinery.

WHAT WE OFFER

With an interest in crushing and screening from day one, MEKA continues to grow in the industry. In fact, Meka has become one of the top global aggregates processing brands, thanks to the importance we attach to research and development and the increase of our production capacity during the 2000s.

A RELIABLE PARTNER

Meka is Turkey's largest producer in its industry segment. We are able to pinpoint client needs, execute customised designs, and produce the best machines and plants for any environment. In addition, we provide worldwide personnel training and after-sales service with our unconditional client satisfaction promise. With more than three decades of service to the industry, MEKA has become a recognized expert in its field. We aim for excellence in all our products and services, and we are proud to be known as a reliable partner by our clients.

MEKA

WHY MEKA?

The Choice of Professionals in the Aggregate Production, Ready-Mix Concrete and Mining Industries

MEKA PROVIDES SOLUTIONS

Our Solutions Stem from Our Engineering Background

Meka is an experienced, industry-leading brand that crafts solutions based on in-depth research to build customize products. This quality has allowed us to become a global leader in our industry.

Since each client has different aggregate or concrete production requirements, geographical conditions, and land properties, we provide customized solutions by designing our products based on a needs analysis, often identifying vital factors that even the client wasn't aware of. This is the reason why Meka crushing and screening plants and concrete plants are preferred in regions with widely varying environmental and geographical conditions, such as England, Ecuador, Siberia, Chile, the Comoro Islands, Costa Rica, and Algeria.

RELIABLE & ROBUST EQUIPMENT

Robust, Special Components That Ensure Efficiency at Full Capacity

The primary quality that sets our products apart as they operate under challenging conditions is durability. Our experienced engineers, technicians and welding workers collaborate closely in the engineering, design and production processes in order to produce top-quality equipment that can operate without problems, unlike competitors' products. As such, our products can overcome challenges such as tough natural conditions, long working hours, and operation under high dynamic stress and heavy loads. Additionally, they can work reliably at maximum efficiency with low maintenance and operations costs for many years.

CRUSHERS

Built to last. Built to crush.

Reliable primary, secondary and tertiary crushing groups that have been designed and manufactured with precise engineering and first-class workmanship.

Our crushers have been designed to fulfil the various requirements of stone quarries, mining facilities and industrial facilities. We offer a variety of sizes and styles in three different crushing groups—primary, secondary and tertiary—which are used to crush materials with dimensions ranging from 1mm to 1000mm and vary depending on capacity, hardness and size of the material to be crushed. Designed according to advanced engineering concepts and manufactured with high-endurance quality material, first-class workmanship and equipment that simplifies operations (automatic lubrication, hydraulic adjustment systems, etc.), our crushers are proven to be robust and reliable.

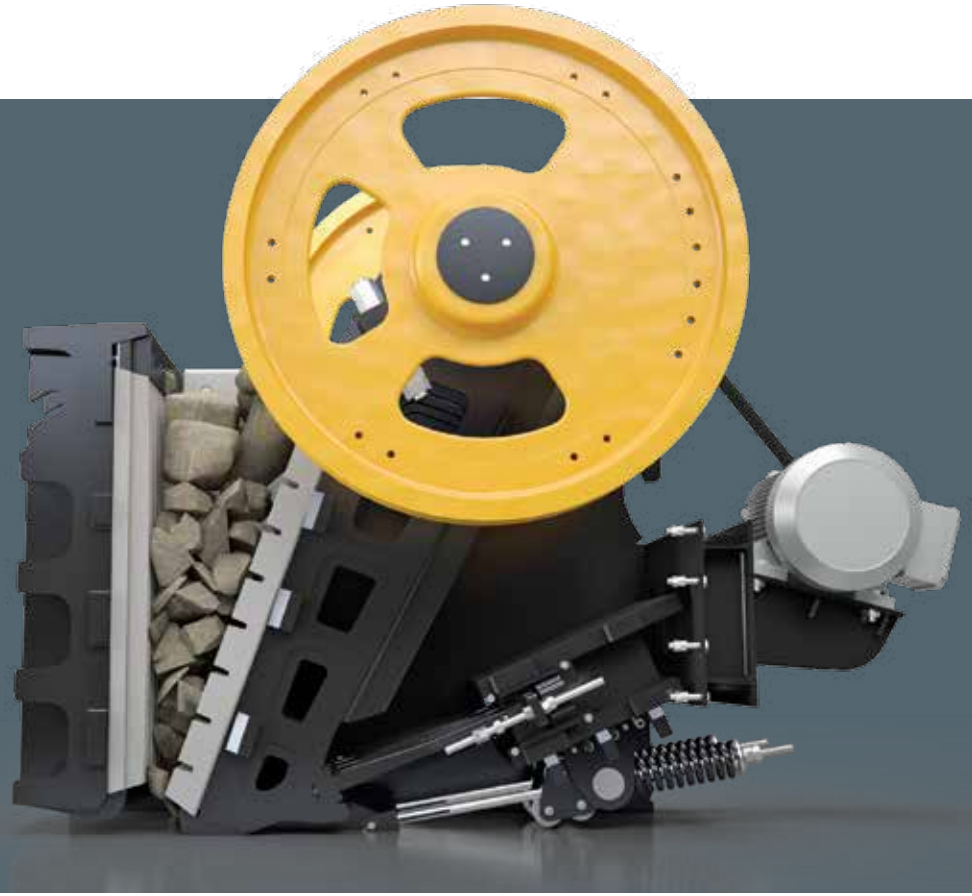
Jaw Crusher
Cone Crusher
Primary Impact Crusher
Secondary Crusher
Vertical Shaft Impact Crusher
Tertiary Crusher

JAW CRUSHER

CRUSHING MASTER

Jaw crushers reduce large rocks or ore by means of compression. Mechanical pressure is applied using the crusher's two jaws; one is fixed while the other reciprocates. There are also primary and secondary types of these crushers. Jaw crushers are one of the most commonly preferred crushers due to their ability to crush all kinds of materials of any hardness, as well as their low-cost operation and easy maintenance.

	PRIMARY (MJ)			SECONDARY (MJS)	
	MJ 90	**MJ 110**	**MJ 130**	**MJS 90**	**MJS 110**
Feed Opening Dimensions (mm)	900x650	1100x850	1300x1000	900x200	1100x350
Closed Size Setting (mm)	60-200	100-200	125-250	25-70	25-120
Capacity (tph)	50-250	100-300	275-600	10-60	110-220
Power (kW/rpm)	75/1000	132/1000	160/1000	30/1000	75/1000
Weight (kg)	11000	33000	43000	6000	11000



CONE CRUSHER

AN EXPERT IN CRUSHING EXTRA-HARD MATERIALS

Widely employed for crushing hard and abrasive materials in both the aggregate and mining industries , cone crushers have been used as primary, secondary and tertiary crushers for quite a long time. Designed especially for the hardest material, cone crushers are one of the best choices for crushing river gravel, basalt and granite, along with abrasive materials in the mining industry like iron, chrome, magnesite and copper ores. The robust design and high-grade cast steel body of our cone crushers provide the strength and stability necessary for crushing extra-hard materials while ensuring low maintenance costs.

	MCS 900	MCS 1150	MCH 900	MCH 1150
Max. feeding size (mm)	100-150	250-400	45-60	70-175
Closed Size Setting (mm)	25-44	24-48	10-32	8-44
Capacity (tph)	100-200	180-325	50-140	90-190
Power (kW/rpm)	75-90	200-250	75-90	200-250

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PRIMARY IMPACT CRUSHER

AN EXPERT IN CRUSHING NON-ABRASIVE MATERIALS

Primary impact crushers are preferred for their high performance and high reduction ratios in crushing softer substances like gypsum and limestone. Due to the different principle of crushing these materials, the reduction ratio is higher than in jaw crushers.

	MPI1313	MPI 1515	MPI 1620
Max. feeding size (mm)	900	1000	1300
Rotor Dimensions (mm)	Ø1300x1300	Ø1500x1500	Ø1600x2000
Capacity (tph)	200-400	400-600	500-1000
Power (kW/rpm)	250/1500	315/1500	500/1500
Weight (kg)	28500	32500	48500

SECONDARY IMPACT CRUSHERS

AN ECONOMICAL SOLUTION FOR SOFT AND MEDIUM-HARD MATERIALS

With their high performance, high reduction percentages and perfect cubical-shaped final product, Meka secondary impact crushers are a great economical solution for crushing both soft and medium-hard materials such as river gravel, limestone and dolomite. The grinding type of MSI series impact crushers provide a very competitive design for the asphalt recycling process.

	MSI 1210	MSI 1312	MSI 1315	MSI1620
Max. feeding size (mm)	250	350	350	500
Rotor Dimensions (mm)	Ø1100x1000	Ø1300x1200	Ø1300x1500	Ø1600x2000
Capacity (tph)	100-150	150-200	200-300	300-600
Power (kW/rpm)	160/1500	200/1500	250/1500	500/1500
Weight (kg)	17500	23000	25000	47000

	MSI 1110	MSI 1112	MSI 1115
Max. feeding size (mm)	300	300	300
Rotor Dimensions (mm)	Ø1120x1000	Ø1120x1250	Ø1120x1500
Capacity (tph)	130-200	170-250	200-300
Power (kW/rpm)	160/1500	200/1500	250/1500
Weight (kg)	17000	19000	21000

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VERTICAL SHAFT IMPACT CRUSHER

EXPERIENCE LOW WEAR, THANKS TO OUR UNIQUE ROCK-ON-ROCK CRUSHING PRINCIPLE

Unlike other types of impact crushers, vertical shaft impact crushers (VSI) are designed with a unique rock-on-rock crushing principle, which significantly reduces the wear costs while offering superior cubical shape for the best quality fine aggregate production. VSI crushers are usually used in the final stages of the crushing process to shape flat material in quarries and to prepare materials for grinding in the mining industry. In addition to being our most efficient crushers with the lowest operational costs, vertical shaft impact crushers tolerate moisture and stickiness, and have a drying effect on the material, which reduces the drying costs in cases where dry products are required.

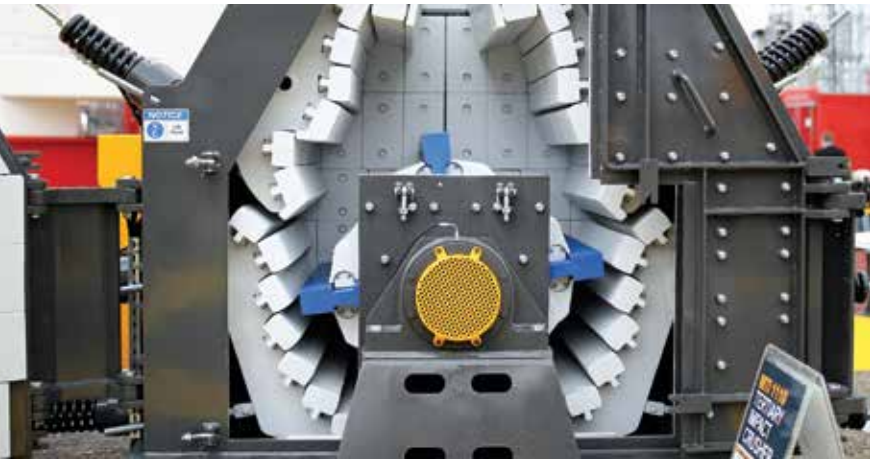
	MVI 70	MVI 80	MVI 90
Max. feeding size (mm)	38	38	38
Rotor Dimensions (mm)	Ø700	Ø800	Ø900
Capacity (tph)	150	200	300
Power (kW/rpm)	2x110/1500	2x160/1500	2x200/1500
Weight (kg)	10000	12000	14000

TERTIARY IMPACT CRUSHER

EXCELLENCE IN PRODUCTION OF FINE AGGREGATES FOR CONCRETE AND ASPHALT

Designed for crushing soft and medium-hard materials with close grain distribution and good cubical shape ratios, tertiary impact crushers are an excellent solution in the production of fine aggregates for concrete and asphalt applications. Adjustable and interchangeable breaker plates enable grinding up to 50 percent with a durable rotor that can operate in both directions, lowering overall operational and inventory costs of the machine.

	MTI 1105	MTI 1110	MTI 1115
Max. feeding size (mm)	150	150	150
Rotor Dimensions (mm)	Ø1100x500	Ø1100x1000	Ø1100x1500
Capacity (tph)	130-200	170-250	200-300
Power (kW/rpm)	160/1500	200/1500	250/1500
Weight (kg)	13500	19000	23000




MEKA MS 2460

SCREENS

AT THE HEART OF EVERY QUARRY AND MINE ARE SCREENS

The screening process is just as important as the crushing itself. Screens are the hub of every rock processing plant. They are used to classify materials both in different stages of the crushing process and in final product separation. Designed as a non-welded frame with adjustable vibration features for different material types and screening sizes, Meka screens provide screening efficiency that is high quality and dependable. Our screens come in various sizes starting from 2 m^2 up to 16 m^2 and are equipped with up to four decks that can be supplied with different types of meshes, such as grizzly, perforated sheet, polyurethane and steel meshes, with washing options to meet the requirements of a wide range of applications.

Vibrating Screen
Grizzly Screen

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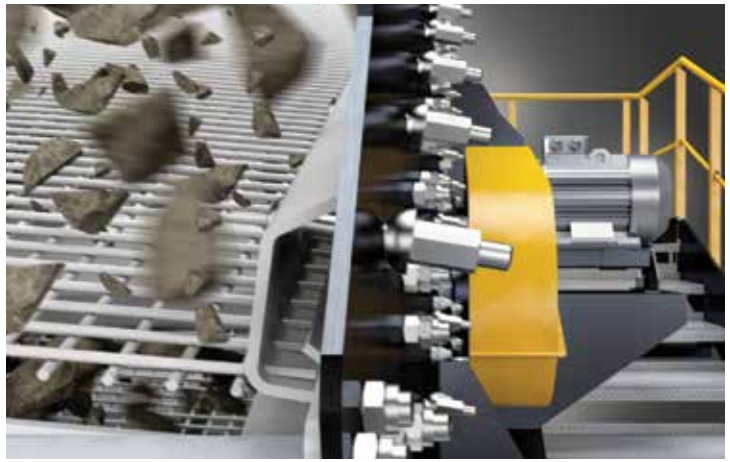
VIBRATING SCREENS

SAFE AND DURABLE OPERATION

The screening process is just as important as the crushing itself. Screens are the heart of every rock processing plant. They are used to classify materials both in different stages of the crushing process and in final product separation. Designed as a non-welded frame with adjustable vibration features for different material types and screening sizes, Meka screens provide screening efficiency that is high quality and dependable. Our screens come in various sizes starting from 2 m² up to 16 m² and are equipped with up to four decks that can be supplied with different types of meshes, such as grizzly, perforated sheet, polyurethane and steel meshes, with washing options to meet the requirements of a wide range of applications.

	MS 1240	MS 1540	MS 1650	MS 2050	MS 2060	MS 2460	MS 2563
Main Dimensions (mm)	1200x4000	1500x4000	1600x5000	2000x5000	2000x6000	2400x6000	2500x6300
Power (kW/rpm)	7,5/1500	15/1500	15/1500	18,5/1500	22/1500	30/1500	37/1500
Weight (2 Decks) (kg)	2400	3700	4600	5300	5900	6400	7500
Weight (3 Decks) (kg)	2900	4200	5700	6400	7200	7700	9300
Weight (4 Decks) (kg)	3500	4800	6800	7600	8600	9500	11000



HUCK-BOLTED ASSEMBLY SIDE PLATES

Screen bodies with a conventional bolted assembly create extra labour costs, increase safety risks and reduce overall profitability because of the rupture of bolts caused by loosening nuts. Meka's MS and MGS series vibrating screens with huck-bolted assembly don't require maintenance for bolts and nuts, so they also ensure workplace safety. In Turkey, Meka is the only manufacturer offering huck-bolted assembly vibrating screens as standard.

SELF TENSIONED MOTORBASE

In MS and MGS series vibrating screens, a self-tensioned motorbase is a standard feature to protect both the electric motor and drive belts against tension caused by vibrations, meaning less maintenance duration and lower costs for our customers.

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GRIZZLY SCREENS

PERFECT PRELIMINARY SEPARATION AND FEEDING

The screening process is just as important as the crushing itself. As the heart of every rock processing plant, screens are used to classify materials in different stages of the crushing process as well as in final product separation. Designed as a non-welded frame with adjustable vibration features for different material types and screening sizes, Meka screens provide screening that is highly efficient and dependable. To meet the requirements of a wide range of applications, our screens come in various sizes starting from 2 m² up to 16 m², and are equipped with up to four decks that can be supplied with different types of mesh, including grizzly, perforated sheet, polyurethane and steel meshes, with additional washing options.

	MGS 1230	MGS 1430	MGS 1640
Main Dimensions (mm)	1200x3000	1400x3000	1600x4000
Power (kW/rpm)	11/1500	15/1500	18,5/1500
Number of Decks	2	2	2
Weight (kg)	4200	4800	6500

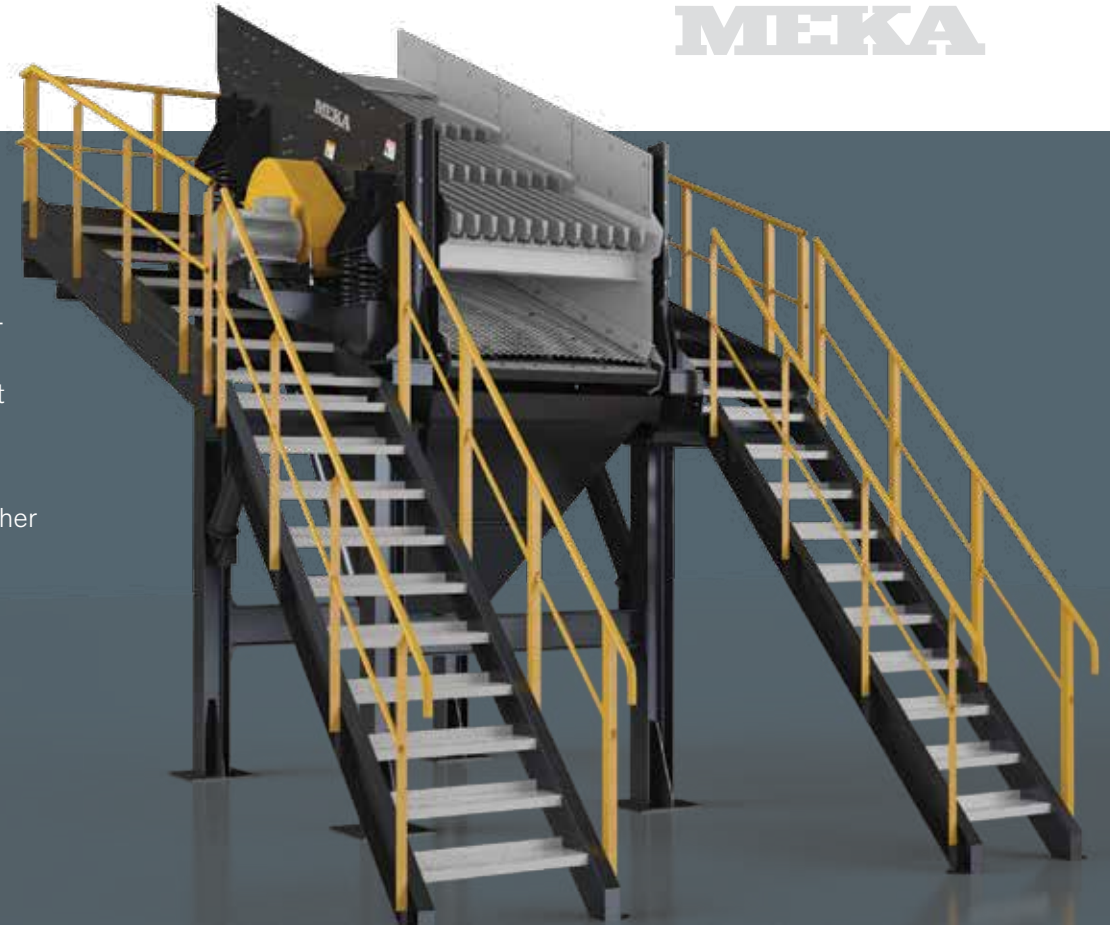
S690 QL SCREEN BODY STEEL PLATE RESISTANT TO VIBRATION

Every MS and MGS series vibrating screen is made of high-tensile heat-treated S690 QL side plates that are resistant to vibration, allowing our customers to use them long-term with the same durability as during first use. With this steel plate's durability, the screen body becomes more tolerant and resistant to vibration.

In this way, our innovations prevent fractures that commonly occur on other screens, particularly around the drive system. Such fractures make the screen unusable by expanding on the side plate.

MODULAR-TYPE DRIVE SYSTEM

Meka MS and MGS series screens are equipped with a modular drive system for easy servicing. The two-piece drive-shaft system can be detached easily one by one, reducing servicing duration. Additionally, the Cardan shaft connecting the modular shafts is superior to traditional, heavier, single-piece shafts in terms of easy maintenance.



WASHING EQUIPMENT

COST-EFFECTIVE CLEANING AND CLASSIFYING

Designed for a variety of material sizes and washing capacities, Meka washing equipment is classified into two main categories: Meka dewatering screws, and bucket wheel washers. Both product lines are built for economical and consistent long-life washing of natural and crushed material.

Dewatering Screw
Bucket Wheel Washer

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DEWATERING SCREW

EFFECTIVE WASHING OF NATURAL AND CRUSHED MATERIALS

Meka single and double dewatering screws are typically used to dewater materials that were previously washed and mixed with water. When the receiving hopper is filled with water, the light particles float while the coarse aggregates and sand sink and accumulate at the bottom. Screws carry the accumulated material towards the upper end of the tube, dewatering it, while the light particles stay in the water. In order to prolong service time, Meka dewatering screws are equipped with polyurethane wearing liners as standard.

SINGLE	MW 14	MW 15	MW 16	MW 1010
Main Dimension (mm)	Ø400x4000	Ø500x5000	Ø600x6000	Ø1000x10000
Capacity 0-3 mm (m^3/H)	8	12	18	70
Capacity 0-5 mm (m^3/H)	10	16	24	80
Capacity 0-7 mm (m^3/H)	13	20	30	90
Power (kW)	3/1500	4/1500	5,5/1500	22/1500
Weight (kg)	1000	1500	2400	10500

DOUBLE	MW 24	MW 25	MW 26	MW 28
Main Dimension (mm)	Ø400x4000	Ø500x5000	Ø600x6000	Ø800x8000
Capacity 0-3 mm (m^3/H)	16	25	35	55
Capacity 0-5 mm (m^3/H)	21	33	45	65
Capacity 0-7 mm (m^3/H)	27	42	55	75
Power (kW)	2x4	2x5,5	2x7,5	2x15
Weight (kg)	2300	2800	5200	7700

BUCKET WHEEL WASHER

RECOVER EXTRA-FINE MATERIALS STARTING FROM 200 µm

Meka bucket wheel washers are designed with a big decantation basin that provides flexibility in feeding control and frequency. This type of washer is effective in removing silt, slime and clay from materials while recovering extra-fine materials starting from 200 µm. Bucket wheel washers are perfect for abrasive materials due to their lower wear part cost.

	MBW 60	MBW 100	MBW 150
Power (kW)	5,5	7,5	11
Capacity (tph)	40-60	60-100	100-150
Helix Speed (rpm)	2-5	2-5	2-5
Water Consumption (tph)	50-75	75-100	100-125

FEEDERS

PROPER FEEDING ENSURES EFFECTIVE CRUSHING

Precision-engineered, our feeders provide excellent performance in feeding material to crushers and screens, ensuring increased crushing performance and equally distributed abrasion. We offer several types of feeders, each specific to the type of material being fed: grizzly feeders with screens for material with thin and dense sand rate, apron feeders for wet and viscous materials, vibrating feeders for coarse-grained material produced in demolition and blasting, and underbin feeders to be used in feeding bins in our complete solutions. Please take a look at our range of feeders with descriptions, advantages and technical details below.

Vibrating Feeder
Vibrating Feeder with Grizzly Screen
Underbin Vibratory Feeder

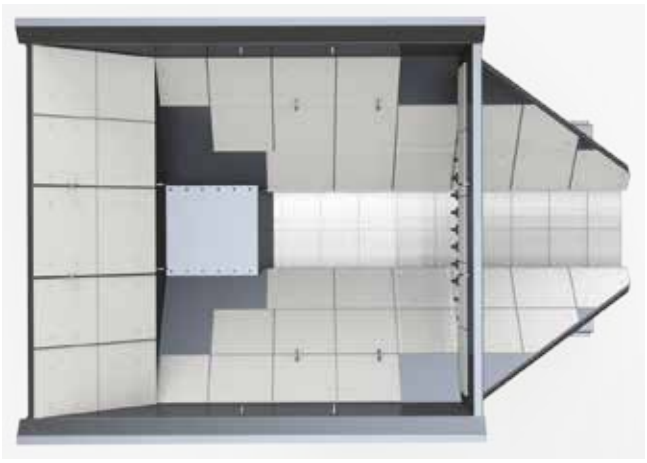
MEKA

VIBRATING FEEDER

WIDE RANGE OF APPLICATIONS WITH DURABLE HEAT-TREATED DRIVE CONSOLE AND HIGH-QUALITY VIBRATORS

Meka vibrating feeders have been designed to excel in the harshest conditions and applications. High abrasive resistance, durable heat-treated drive console and high-quality vibrators ensure peak efficiency, reliable feeding and effective long-term operation with minimum breakdowns.

	MF 935	MF 1146	MF 1450
Width (mm)	900	1100	1370
Length (mm)	3500	4600	4880
Capacity (tph)	150-200	200-300	300-600
Hopper Volume (m^3)	20	30	60
Power (kW/rpm)	2x8/1000	2x10,9/1000	2x11,9/1000
Weight (kg)	8800	23000	33000



VIBRATING FEEDER WITH GRIZZLY SCREEN

A WIDE RANGE OF APPLICATIONS WITH GRIZZLY BARS, DURABLE HEAT-TREATED DRIVE CONSOLE AND HIGH-QUALITY VIBRATORS

Meka's vibrating feeders with grizzly screen have been designed for the most difficult conditions and applications. Various grizzly bar options make our feeders suitable for primary separation applications. High abrasive resistance, durable heat-treated drive console and high-quality vibrators ensure high efficiency, reliable feeding and effective long-term operation with minimum breakdowns.

	MF 1256	MF 1464	MF 1880
Feeder Size (mm)	1100x4000	1300x4000	1800x5000
Grizzly Size (mm)	1200x3000	1400x3000	1900x3000
Capacity (tph)	200-300	300-600	1000-1500
Hopper Volume (m^3)	30	40	60
Power (kW/rpm)	4x9,8/1000	4x10,2/1000	2x11,5-2x19/1000
Weight (kg)	32000	36000	51500

MEKA

UNDER BIN VIBRATING FEEDER

A WIDE VARIETY OF APPLICATIONS FOR CONSTANT FEEDING OF CRUSHERS AND SCREENS AFTER THE PRIMARY STAGE, WITH DURABLE HEAT-TREATED DRIVE CONSOLE AND HIGH-QUALITY VIBRATORS

Meka underbin vibrating feeders have been designed for the toughest conditions and applications. A variety of sizes and types make our feeders suitable for the constant feeding of crushers and screens after the primary crushing stage. High abrasive resistance, durable heat-treated drive console and high-quality vibrators ensure high efficiency, reliable feeding and effective long-term operation with minimum breakdowns.

	MF 6515	MF 8517	MF 1020	MF 1220
Width (mm)	650	850	1000	1200
Length (mm)	1500	1700	2000	2000
Capacity (tph)	100-150	150-200	200-250	250-350
Power (kW/rpm)	2x1,1/1500	2x1,6/1500	2x2,2/1500	2x2,2/1500
Weight (kg)	700	900	1100	1300


MEKA
CRUSHING & CONCRETE BATCHING TECHNOLOGIES
Extreme Power
www.mekacrushers.com

MOBILE SOLUTIONS

BEST SOLUTIONS FOR TEMPORARY NEEDS

Temporary aggregate production is common for short-term projects like road and dam construction. Since most of the time the equipment is moved out of the temporary quarry, disassembly, transportation and installation expenses add extra costs that can be just as significant as the start-up investment itself. In such cases, despite higher initial investment costs, mobile crushing and screening solutions are better options than stationary ones because of the time-saving disassembly, transportation and installation advantages they provide.

Mobile Crushing Units
Mobile Crushing - Screening Units

MEKA

MOBILE CRUSHERS

COMPACT, SOLID AND EASY TO SET UP

Meka mobile crushing and screening groups are no different from stationary analogues in terms of performance, operational characteristics and operational costs, with the added advantage of providing a compact, solid and easy setup. Most machines from our product range can be manufactured on a mobile chassis, except high-tonnage crushers that exceed the allowed load on axles and can't be granted road permission.

	MMG 90	MMG 110	MMG 1313	MMG 1515
Crusher Type	MJ90	MJ110	MJ1313	MJ1515
Feeder Type	MF 930	MF 1146	MF 1146	MF 1450
Power (kW/rpm)	93	158	226	348
Weight (kg)	27000	66000	54000	69000

MOBILE SCREENS

MEKA PORTABLE SCREEN PLANT ALLOWS YOU TO TAKE ADVANTAGE OF EXCEPTIONAL SCREENING CAPABILITIES

With their compact structure, mobile crushing and screening platforms take less space than stationary solutions. Mobile plants are well-suited for users with strict space requirements. Mobile groups can be supplied with a wide range of options and are available with hydraulic or mechanical legs.

	MS 1240	MS 1540	MS 1650	MS 2050	MS 2060	MS 2460
Main Dimensions (mm)	1200x4000	1500x4000	1600x5000	2000x5000	2000x6000	2400x6000
Power (kW/rpm)	7,5/1500	15/1500	15/1500	18,5/1500	22/1500	30/1500

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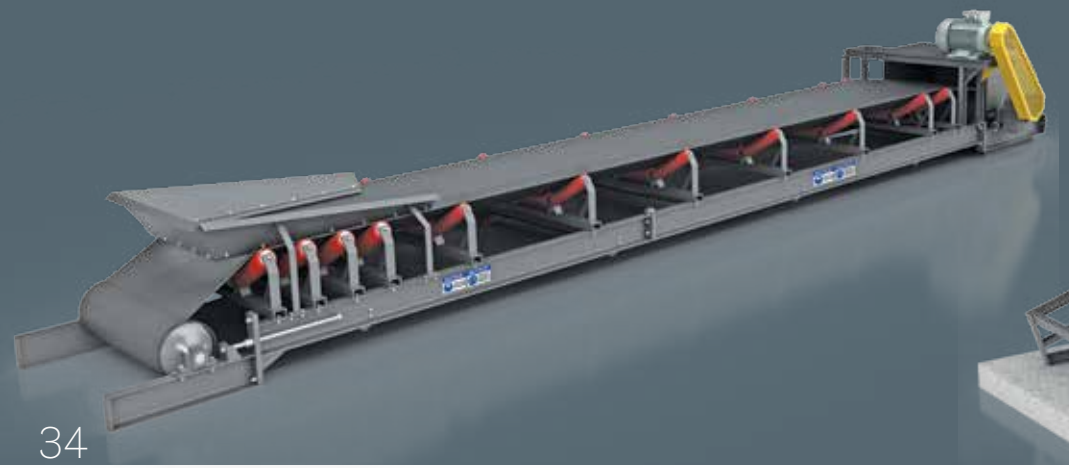
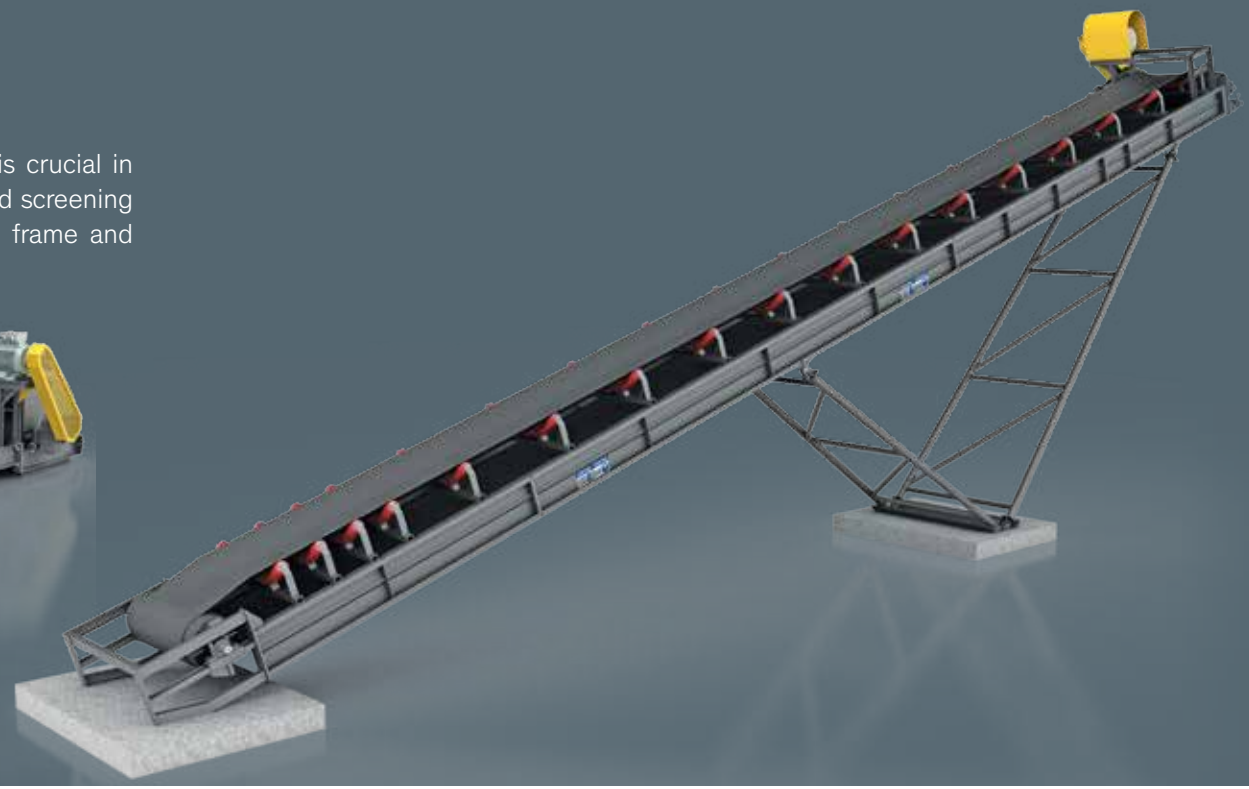
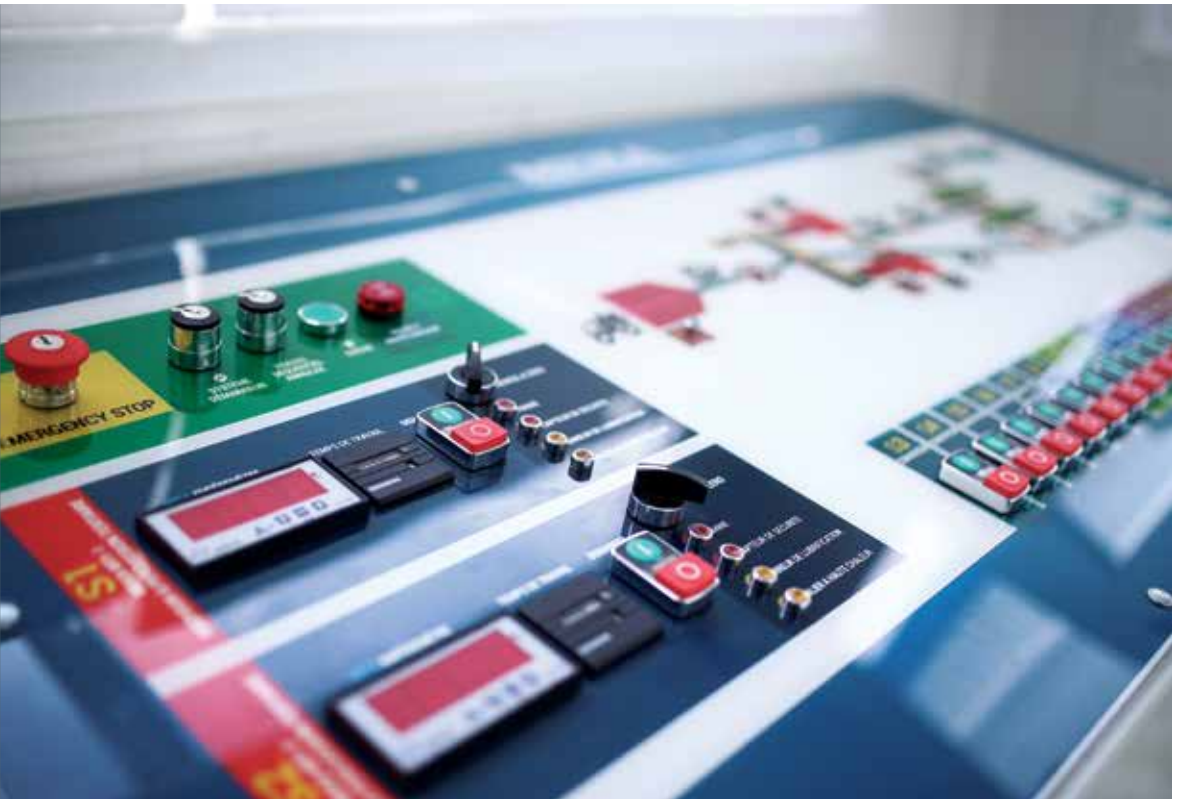
CONVEYOR SYSTEMS

THE KEY TO SUCCESS AND CONSISTENT RESULTS

The quality of conveyor systems in quarries and mining sites is crucial in establishing a trouble-free connection between the crushing and screening equipment. Meka conveyor systems are made of a solid steel frame and equipped with the best parts to ensure trouble-free operation.






EMERGENCY STOP
S1


S10
S11
S12
S13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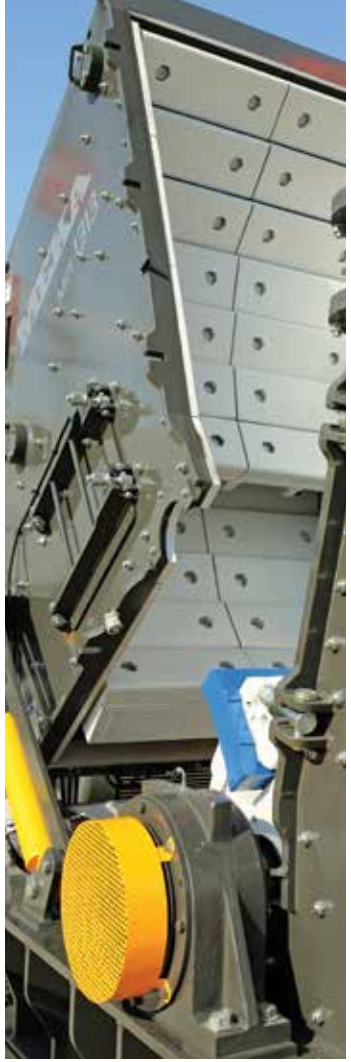

TURQUM

MEKA

CRUSHING SCREENING

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