





MOBIREX EVO2

The powerful all-rounder.



Mobile power packs.

The machines in the MOBIREX EVO2 line are powerful and versatile in use: both in natural stone as well as in the recycling of mineral raw materials. They guarantee first-class product quality and achieve impressive throughputs.

They stand out with their simple transport, short set-up times for initial operation and maintenance, and high machine availability. The impact crushers from the MOBIREX EVO2 line are therefore ideal for short-term applications at changing locations.





GREAT PERFORMANCE EVERY TIME

First-class product quality.

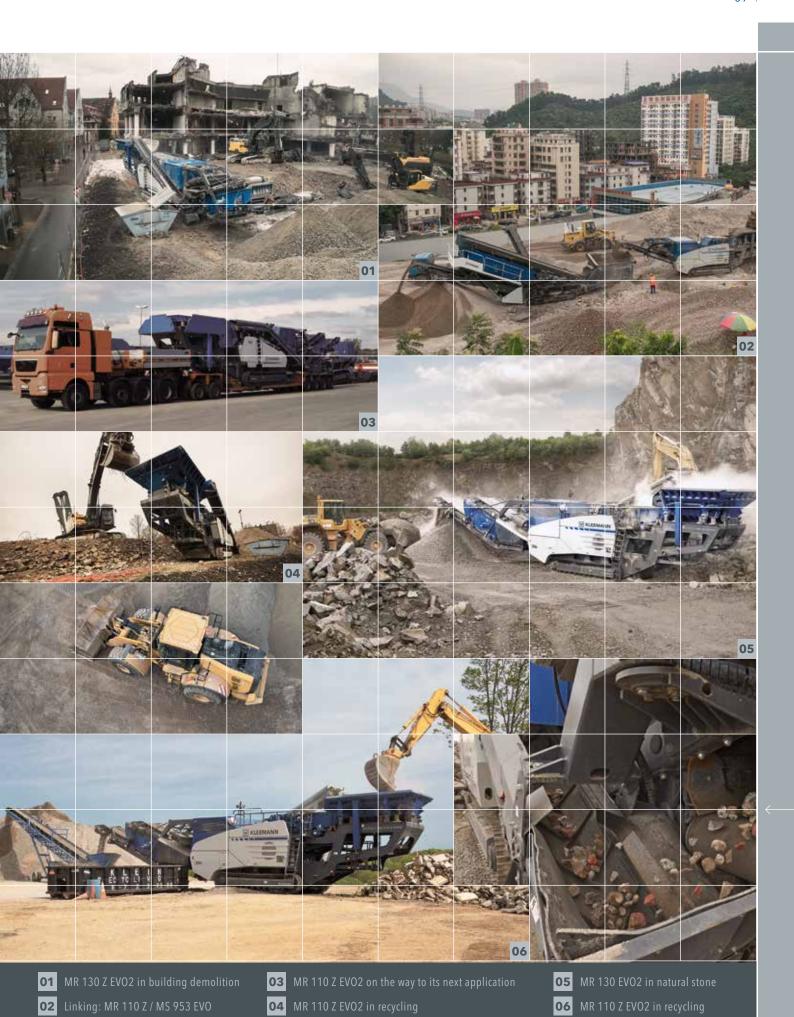
Agile and compact - during transport and operation.

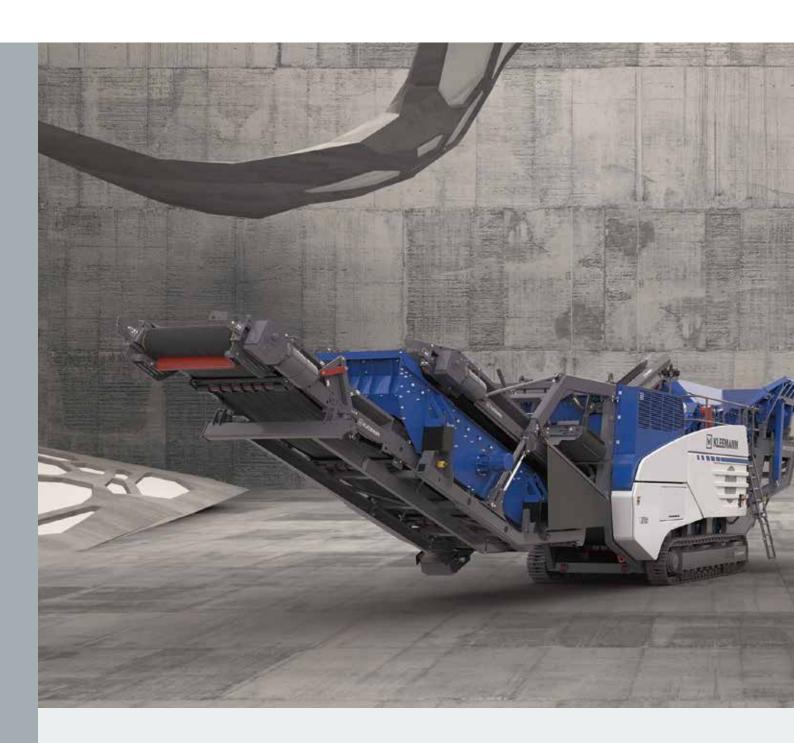
Versatile and flexible - for a wide range of final products.

The mobile impact crushers in the EVO line can be used universally and they always produce first-class final grain quality. In spite of their comparatively compact crusher inlet widths of 1,100 mm or 1,300 mm (MR 110 Z EVO2 / MR 130 Z EVO2), they achieve throughputs which, up to now, were only possible with considerably larger crushing plants. This is made possible by outstanding cost-effectiveness and performance with a variety of technical benefits.

■ USE IN NATURAL STONE

■ USE IN RECYCLING





HIGHLIGHTS

Perfectly equipped ------



- Optimised material flow
- ▶ Large-dimensioned feeding unit
- ≥ Effective prescreening
- ➤ Continuous crusher feed
- Crusher unit for top product quality
- **≥** Efficient and powerful diesel-direct drive
- SPECTIVE intuitive control system
- ▶ High-performance secondary screening unit
- Simple transport
- Best possible accessibility and safety
- **►** Environmentally sustainable solutions

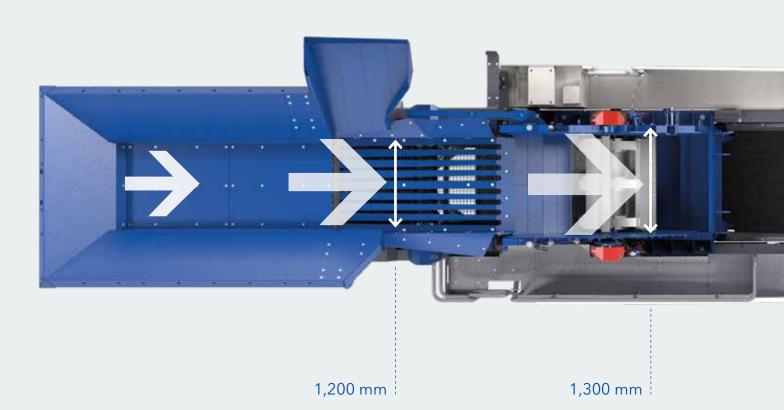
OPTIMISED MATERIAL FLOW

For improved utilisation and high productivity.



The MOBIREX EVO2 plants distinguish themselves with numerous technical innovations. Above all, the unique material flow concept used throughout the machine: the system widths across the entire plant are extended in material flow direction. The material flow is therefore not narrowed and material congestion can also be avoided effectively.

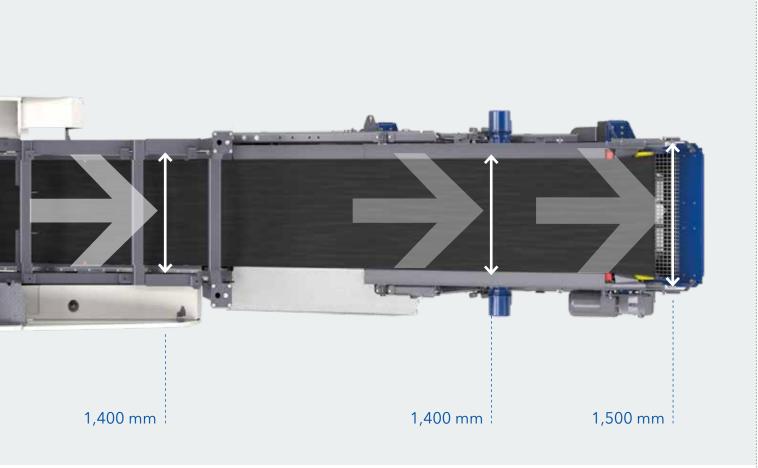
> MOBIREX MR 130 Z EVO2





The result:

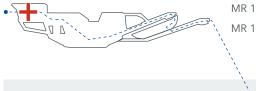
Higher total throughput and a longer service life thanks to reduced wear



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WELL THOUGHT-OUT FEEDING UNIT

Generously dimensioned and extremely robust.



MR 110 Z EVO2 MR 130 Z EVO2 up to 350 t/h up to 450 t/h

Feed capacity approx.

approx. 4,4 m³ approx. 5 m³

Hopper volume

approx. 8 m³ approx. 9 m³

Hopper volume with hopper extension









The plants in the MOBIREX EVO2 line have feeding units with large hopper volumes.

The hoppers from the MOBIREX EVO2 line are hydraulically foldable and lockable – simply and conveniently from the ground. Fast set-up and maximum operator safety are therefore guaranteed. For a long service life, the hopper walls are made of robust wear-resistant steel. The optional hopper extension also makes convenient loading possible by a wheel loader.

Optimised output capacity - thanks to well prepared feed material

The composition of the feed material and the feed size have an essential influence on the output capacity. To ensure trouble-free and low-wear operation, the feed material should therefore be prepared as well as possible.

Tips on optimal loading:

- Take note of the size and edge length of the material
- Select feed size depending on the final grain size and max. permissible crushing ratio
- Sort out any uncrushable material, e.g. steel beams, cables, wood, films/foils, etc.
- Guarantee uniform loading of the plant an overfilled feed hopper and a continuously empty feed hopper can lead to increased wear

KLEEMANN PROCESS KNOWLEDGE



In many cases, feed capacity, crushing capacity and plant performance are treated synonymously or even mixed up. What's what?

Crushing capacity

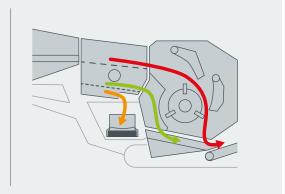
= Quantity produced by the crusher (red)

Feed capacity

- = Crushing capacity (red) + primary screening capacity (orange)
- + bypass capacity (green)

Plant performance

= Crushing capacity (red) + bypass capacity (green)



EFFECTIVE PRESCREENING

Better results and less wear.



Fines discharge

via side discharge conveyor

Powerful 11.2 kW

Prescreen drive output



For effective prescreening of the feed material, the MOBIREX EVO2 impact crushers are equipped with an independently vibrating double-deck prescreen. Wear in the crushing chamber is therefore reduced by diverting the medium grain directly onto the vibrating extractor. The screen surface in the upper and lower deck can be changed easily and safely.

The advantages of active prescreening:

- Increased final product quality through discharge of fine particles via the side discharge conveyor
- The feed material is largely freed of sticky or cohesive material and incrustation in the crusher or the vibrating extractor is therefore avoided
- Effective reduction in wear and increase in output by redirecting medium grain through the large crusher bypass device







KLEEMANN PROCESS KNOWLEDGE

Optimising the prescreening step

In order to tune the prescreening ideally to the material or application, the frequency of the prescreen can be adjusted steplessly. The correct selection of the screen surface is also important. Various punched plates or slotted grates are therefore available for the upper deck. The lower deck can be operated with wire cloth of different mesh sizes

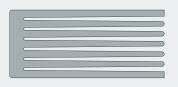
The result: high product quality, maximum plant performance and less wear.



> punched plate



> wire cloth

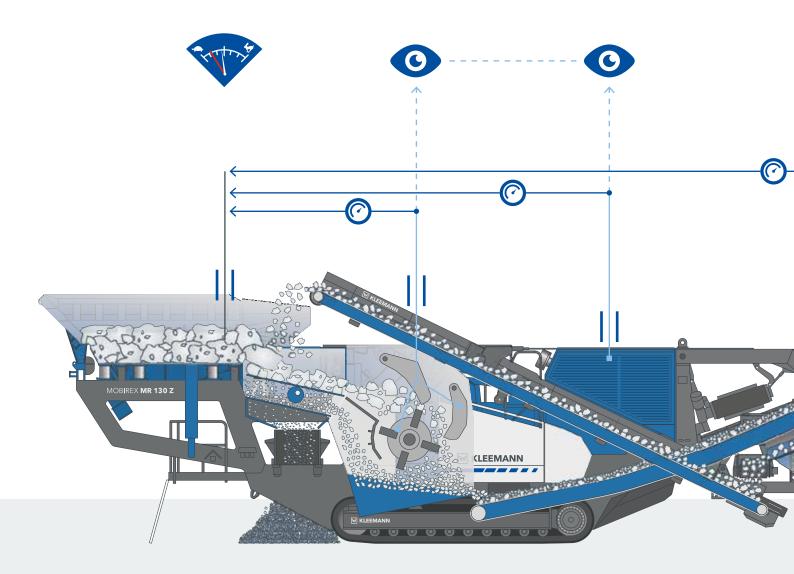


> slotted grate



CONTINUOUS FEED SYSTEM (CFS)

For a continuous crusher feed.



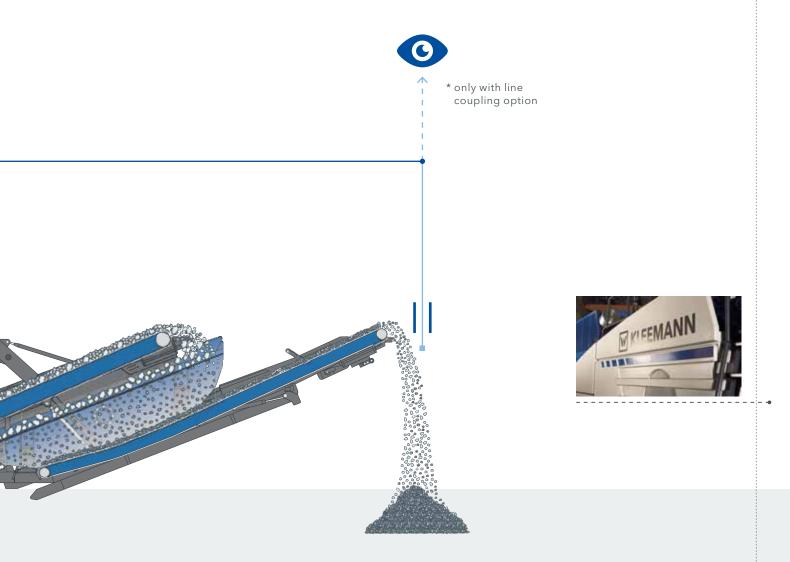
KLEEMANN PROCESS KNOWLEDGE

The CFS controls the vibrating chute speed so that the material on the prescreen does not pile up too high. Fine content can therefore be well screened out before it runs through the crushers.

Result: The crusher now only has to deal with the material that really needs to be crushed!

Uniform loading is indispensable for a good product, optimum throughput and low wear.

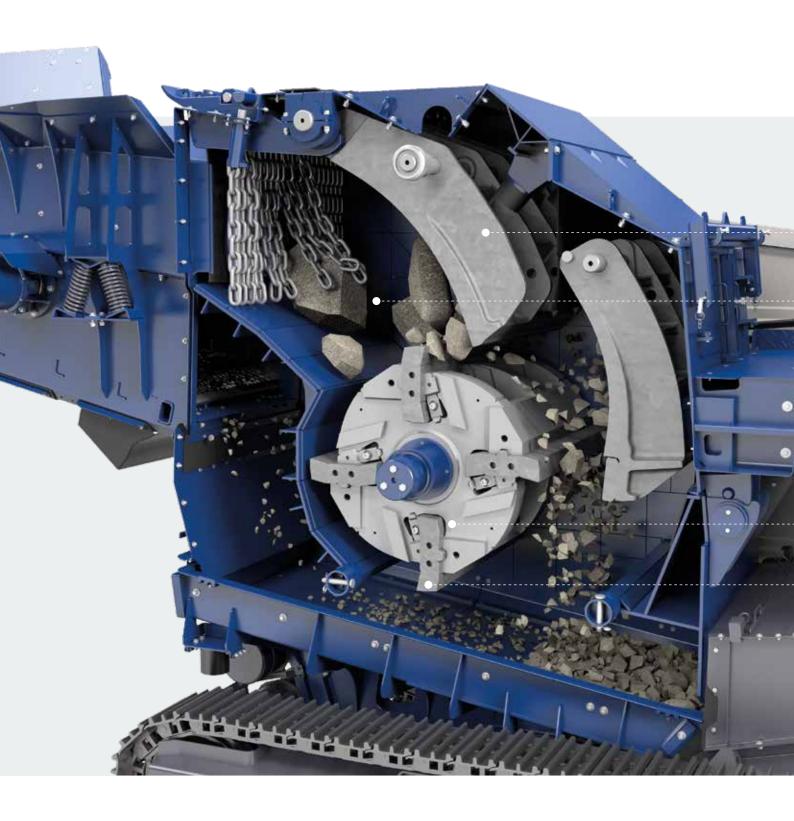
To ensure that the crushing chamber is always filled evenly, the Continuous Feed System (CFS) monitors load at the rocker and rotor, as well as engine utilisation. Depending on this, the CFS regulates the frequency of the vibrating feeder and prescreen. A backlog on the prescreen is therefore avoided and crusher utilisation is optimised. When the crushing chamber is free again after overloading, material transport is continued without a delay.



POWERFUL CRUSHER UNIT



The heart of the machine.





1,100 x 800 mm Crusher inlet MR 110 Z EVO2 **1,300 x 900 mm**Crusher inlet MR 130 Z EVO2

Fully hydraulic

crusher gap setting

Impact toggles for two-stage crushing process



Convenient crusher gap setting

Wear-resistant rotor

Extensive selection of rotor ledges and impact plates





01 Crusher geometry

Thanks to its special inlet geometry, the crusher unit in the MOBIREX EVO2 plants can draw in the material perfectly, therefore guaranteeing high throughputs. The crusher inlet cover and the upper impact toggle in the inlet area can be lifted hydraulically by radio remote control - material bridging can therefore be effectively reduced.

Result: High throughput combined with high reliability.

02 Rotor ledges

Thanks to the cleverly devised rotor ledge clamping system and the innovative Lock & Turn safety system, rotor ledges can be conveniently removed by lifting out. A rotor ledge replacement is therefore extremely simple and safe.

Users also benefit from increased product quality thanks to C-shape rotor ledges for better impact over a long period.



03 Crusher gap setting

To make adaptations to the material or the desired final grain size, simple crushing gap adjustment is indispensable. On the MOBIREX EVO2 plants, the crushing gap adjustment can be made fully hydraulically via the touch panel from the ground – even with the rotor running! A real positive contribution to efficiency and productivity.

Rule of thumb: The upper crushing gap should be approx. 30 % of the feed size and the lower approx. 80 % of the desired final grain size.

The fully hydraulic overload system protects the machine against damage due to uncrushable material.





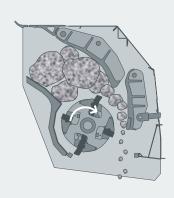




KLEEMANN PROCESS KNOWLEDGE

Optimised results through correct loadings:

- > The optimal fill level of the impact crusher should be guaranteed.
- > Continuous overfilling results in premature wear and can cause the overload protection to trip, therefore causing material congestion.
- > The maximum feed size of 80% of the feed opening must be observed.
- > The gap setting ratio of the impact toggles should be set correctly.



> Optimum filling



INNOVATIVE DRIVE CONCEPT

Impressive performance - with the best possible consumption values.

Diesel-direct

Drive

up to 371 kW Output





up to 30% less consumption

compared to hydraulic drives



The machines from the MR EVO2 line have an innovative "diesel direct-drive" concept and are both powerful and economical.

Equipped with an efficient, powerful diesel engine with fluid coupling, the impact crushers from the EVO line stand out with extremely low efficiency losses: the crusher direct-drive provides maximum power directly at the crusher. All secondary drives – for example, for operation of the prescreen, vibrating chutes and conveyor belts – are driven electrically.

The fluid coupling guarantees high operational safety - for both operator and machine.







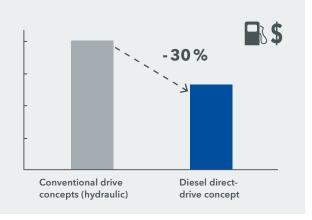


KLEEMANN PROCESS KNOWLEDGE

Innovative concept: Economical, safe and resource-conserving.

The advantages of diesel electric-drives compared to hydraulic drives are evident not only in relation to their lower fuel consumption. The machines also require significantly less hydraulic oil, which has a positive effect on the costs of oil changes, while conserving resources. In the event of leaks, the danger of contamination and environmental pollution is also reduced.

Furthermore, electrical components are significantly less susceptible to wear than hydraulic hoses - a further positive effect that results in longer service lives and lower running costs!



THE SPECTIVE INTUITIVE CONTROL SYSTEM CONCEPT



For simple operation.

The machines from the MOBIREX EVO line can be operated via touch panel with the simple SPECTIVE operating concept. All components and functions can be controlled conveniently from the ground.

An overview of SPECTIVE

- The operator is guided step by step through the starting procedure.
- The start screen provides a graphic view of the plant with all adjustable functions at a glance
- When the desired function is selected, clear instructions guide users through all operating steps.
- If there is a malfunction, a fault diagnosis appears on the display. Fault localisation, a description and remedial tips serve to reduce downtimes.

The 12-inch touch panel is dust-resistant and, thanks to the luminous intensity and high contrast, is always easy to read. It reacts to contact by fingers, a pen or gloves. It is integrated in a lockable control cabinet protected against dust and vibrations. Radio remote control enables ergonomic operation from an excavator.

Everything at a glance with WITOS®

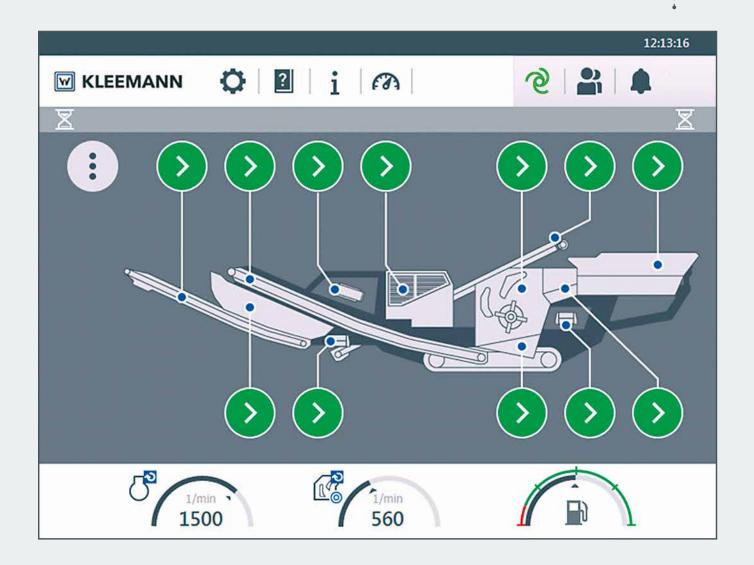
The WITOS FleetView telematics system provides support for efficient fleet and service management. It delivers information on the operating status of the machine independently from location and time. Users with only one machine can also benefit from WITOS.

From support for maintenance and diagnostic processes to the targeted control of the machines: the range of services is diversified and is an ideal supplement to the WIRTGEN GROUP Smart Service agreements.



O SPECTIVE





KLEEMANN PROCESS KNOWLEDGE

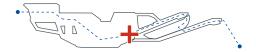
Always in operation with "Quick Track"

In some applications - for example, in road construction - relocation of the crushing plant is necessary several times a day. At the same time, the plant should remain in operating mode so that it is quickly ready for operation once it has been shifted. The Quick Track option makes this possible with convenient remote control - without having to exit the operating mode.

Thanks to considerable time savings (excavator driver does not need to go to the display, change operating mode, machine operation is not interrupted and therefore does not need to be started up again), the machine can continue working fast and productively.



MAGNETIC SEPARATOR AND SECONDARY SCREENING UNIT



Effective for the final product.

1,200/1,400 mm

Wide crusher discharge conveyor

Magnetic separator

in two versions

Single deck vibrating screen

Extra-large screening surface

Belt scale

Optional on the crusher discharge conveyor/fine grain conveyor





The crushed material is discharged via the wide crusher discharge conveyor. To prevent contamination of the final product with ferrous elements, an optional electromagnet or permanent magnet can be installed, which can both be raised and lowered hydraulically by remote control. Material bridging can therefore be very simply broken up and the magnet can always be set to its optimum value.

Secondary screening unit

An optional secondary screening unit can be used to screen a defined grain size. The large screening surface allows effective screening even at grain sizes below 20 mm. The discharge height is designed for very high stockpile volumes; the oversize grain return conveyor enables a closed material loop.



KLEEMANN PROCESS KNOWLEDGE

The optional wind sifter guarantees increased material quality especially in recycling applications because impurities (e.g. wood and plastic) are removed from the material. The air flow can be regulated according to the material. Manual and sorting work can therefore be reduced. The wind sifter can only be used in conjunction with the secondary screening unit.

SIMPLE TRANSPORT



For rapid deployment.





Increased ground clearance in area of secondary screening unit



Even though the impact crushers from the MOBIREX EVO2 line have a high output capacity, they are still agile and compact - and therefore easy to transport.

The EVO impact crushers are versatile in use and can also be used on narrow building sites, for example in town centres, with any problems. Even if the place of application frequently changes, thanks to its compact structure and relatively light weight, the machine is quickly set up and dismantled for simple transport to the next site.

The impact crushers from the MOBIREX EVO2 lines demonstrate their advantages with short set-up times: hopper walls and side discharge conveyors, for example, (depending on the configuration option) can be folded hydraulically into operating position.



The secondary screening unit can be disassembled and easily transported thanks to its compact container dimensions. Since it is mounted on skids, simple loading with the Hook-Lift system is possible.







ACCESSIBILITY AND SAFETY

For high operating comfort.

Simple operation and convenient maintenance.

For trouble-free work, simple operation and fast service, all machine components are especially easy to access. The outstanding equipment of the plants adds to the operating comfort - for example, spray systems are installed at different transfer points and LED illumination of the plant is available in the basic configuration. Premium lighting is available as an option.

 $Lock \ \& \ Turn - an \ outstanding \ safety \ system$

During rotor ledge replacement and when breaking up material bridging, The "Lock & Turn" system guarantees top operating safety. Special keys for service flaps and components guarantee that uncontrolled movements of dangerous components are impossible and that the crusher cannot be started during maintenance work.

The standard-series turning device also allows you to turn and lock the rotor of the crusher in any position manually from the outside. This makes the replacement of rotor ledges and the elimination of material bridging simple and safe.



LOCK AND TURN - STEP BY STEP



> Trigger the "Lock rotor" command via SPECTIVE



> The rotor locking and turning device is enabled and can be moved with a crank.



> Insert control element in the enable station; the rotor is safely locked and the key is enabled for further steps.



> If keys are removed, the rotor remains safely locked.



> The crusher housing is opened with a special key. The key cannot be removed in the opened state and the material can be removed safely.



> The rotor is turned safely with the crank and moved into the optimum position for rotor ledge replacement.

ENVIRONMENTALLY SUSTAINABLE SOLUTIONS



For noise and dust reduction.

There are more and more demands for reduced dust and noise not only in urban areas but also in quarries.



Reduction in dust and noise is increasingly demanded both in urban areas and in quarries. Stipulations by local authorities with regard to the observance of limit values are becoming more and more strict. Regulations that vary considerably according to the region specify how loud building sites can be in urban areas or how much dust can be emitted. The aim is to protect the affected population and environment, as well as workers on site.







Solutions for effective noise reduction

Apart from the crushing process itself, the main noise pollutant on the mobile crushing plants is the power pack. Most sound emissions are caused by the air pipework, the cooler and air swirling in the area of the power pack base.

An optional package can help in this case: it consists of ergonomic noise insulation flaps, installed level with the engine, which deflect the noise upwards. The flaps are folded against the plant for transport and therefore do not affect the transport width. The power pack base has also been closed to make it soundproof.

Result: Reduction in noise by 6 decibels (3 decibels alone amount to halving of the noise perception of the human ear)

Solutions for effective dust containment

The technical nature of recycling and natural stone processing applications means that a relatively high level of dust is generated. The main causes of dust emissions are the material discharge and transfer points and the crushing unit itself.

The solution is water spraying at strategically important points, such as the crusher inlet, the crusher discharge conveyor, the side discharge conveyor and the secondary screening unit. Most of the dust is therefore bound and its spreading is prevented.

Result: A reduction of dust volume by up to 50% (depending on the material)





3.580 mm

OPERATING POSITION

- ▶ Compact dimensions
- ➤ Transport-friendly weight (44,500 58,500 kg*)

CRUSHER INLET (W X D)

≥ 1,100 x 800 mm



FEED CAPACITY

≥ 350 t/h



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WITH FREQUENCY-CONTROLLED VIBRATING FEEDER AND PRE-SCREENING



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RECOMMENDED USE:

- Recycling of mineral raw materials (e.g. mixed rubble, concrete, reinforced concrete)
- Processing of soft natural stone in 1st crushing stage
- ▶ Processing of soft natural stone in 2nd crushing stage
- For varying deployment locations thanks to ease of transportation
- ≥ For medium to large batch sizes

MOBIREX MR 130 Z EVO2



4,800 mm

21,400 mm

OPERATING POSITION

CRUSHER INLET (W X D)

1111111

≥ 1.300 x 900 mm



Compact dimensionsTransport-friendly we

Transport-friendly weight (49,500 - 64,500 kg*)

FEED CAPACITY

≥ 450 t/h



WITH FREQUENCY-CONTROLLED VIBRATING FEEDER AND PRE-SCREENING



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RECOMMENDED USE:

- Recycling of mineral raw materials (e.g. mixed rubble, concrete, reinforced concrete)
- Processing of soft natural stone in 1st crushing stage
- ▶ Processing of soft natural stone in 2nd crushing stage
- For varying deployment locations thanks to ease of transportation
- ▶ For medium to large batch sizes

* Standard equipment - full equipment



Technical expertise.

The line coupling option can be used for coupling KLEEMANN machines with each other. The crushing process between the crushing plants is therefore automatically optimised so that material is always conveyed with maximum efficiency through the machine. For this purpose, a probe is installed on the crusher discharge conveyor and/or fine grain conveyor of the upstream machine that monitors the fill level of the feeding unit of the respective upstream machine. When the fill level reaches a defined adjustable height, the output of the upstream machine is temporarily reduced.

For safety reasons, all crushing and screening plants are connected with each other by cables. If an emergency-stop button is pressed somewhere on the plant train, all machines are safely stopped.





OUR FORMULA FOR SUCCESS

For excellent crushing results.

An optimum crushing result can only be achieved with plant components that are perfectly tuned to one another - and the correct settings that the operator can choose himself.

With these tips, it is possible to find the ideal settings for any task.

Feed material

- ≥ Feed size: where possible, the maximum feed size should not exceed 80% of the specified crusher opening
- Compressive strength: mineral materials can be used with a maximum compressive resistance of 100 MPa in the 1st crushing stage, 150 MPa in the 2nd crushing stage
- Type of mineral: impact crushers in the SHB series process soft to medium-hard natural stone, such as limestone, dolomite or sandstone, and are used for recycling of mineral raw materials such as mixed rubble, bricks, asphalt and concrete.

Rotor speed and crushing gap

With an increase in the rotor speed, the crushing curve moves upwards which results in an increase in the content of fines in the final product.

An increase in speed usually results in a higher throughput. A throughput reduction only results if the feed behaviour is impaired by the increased impact frequency.

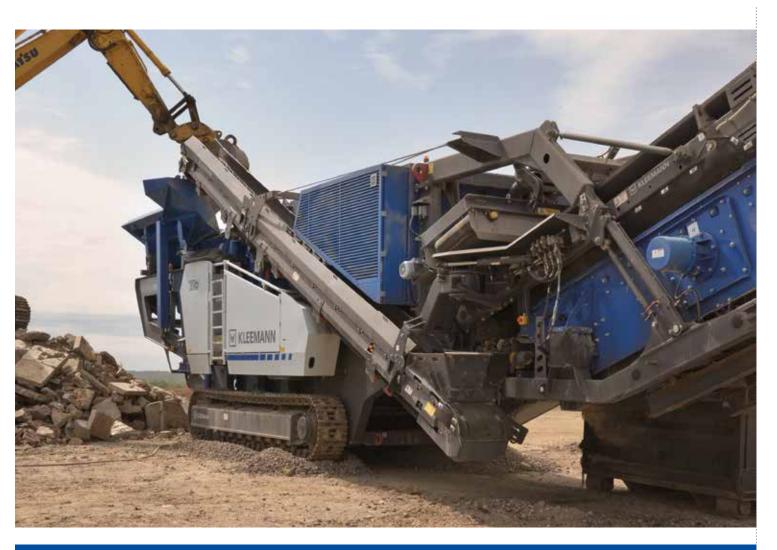
Crushing ratio

The maximum crushing ratio (ratio of feed grain size/grain output) largely depends on the physical properties of the feed material. The following guide values are available:

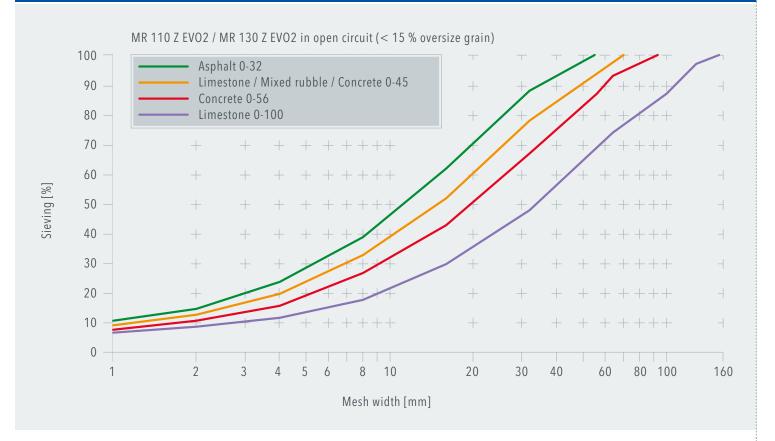
Feed material	Compressive strength [MPa]	Circuit	Crushing ratio	
Limestone, soft to medium-	< 150	open	to 10.1	
hard natural stone	< 150	closed	up to 10:1	
Recycling (mixed rubble,	< 100	open	to 15.1	
asphalt, concrete)	< 100	closed	up to 15:1	
Reinforced concrete		open		
(depending on concrete quality and iron content)	< 100	closed	up to 15:1	

AREAS OF APPLICATION FOR IMPACT CRUSHING PLANTS

NATURAL STONE	Coal	Clay	Marble	Limestone	Sands Grits	stone tone	Greywacke	Gravel	Granite	Basalt	Iron ore	Gneiss	Granular quartz	Greenstone Gabbro
RECYCLING	Asphalt	dei	Reinforced molished conre	Demol e conci		Mixed	rubble			Blast furnace sl	ag		Steal slag	



MOBIREX CRUSHING CURVE



YOUR KLEEMANN SERVICE

From the WIRTGEN GROUP.

Reduced downtimes, minimal wear costs, maximum customerproximity.



Service network

Our local contact partners provide you with comprehensive support for all tasks and questions related to our products. Thanks to our closely-knit, global WIRTGEN GROUP network, we guarantee short reaction times and quick solutions.



Training courses

An essential element of the successful use of our plants is knowledge of their operation. In order to communicate the necessary technical knowledge to your employees, KLEEMANN offers a wide range of training courses.



Parts and accessories

Original parts and accessories from KLEEMANN can assure the high reliability and availability of the machines in the long term. An overview of all parts is available under www.partsandmore.net





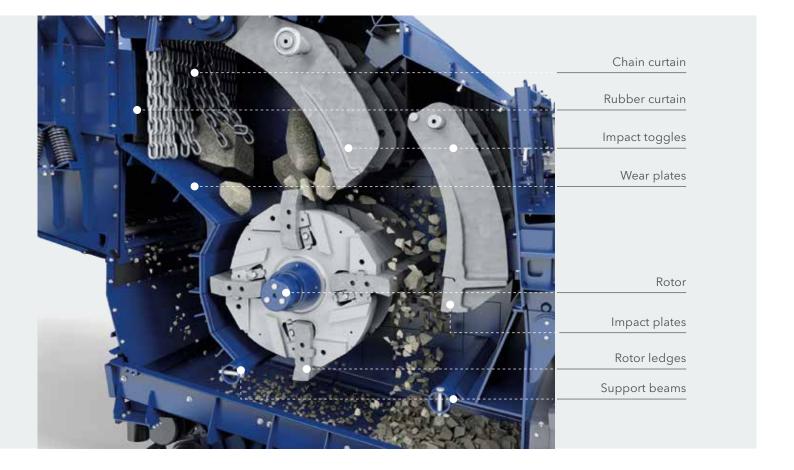
CRUSHING TECHNOLOGY



Correct wear parts for the best results.

The versatile application areas of a KLEEMANN impact crusher range from classic natural stone processing through the recycling of residual construction materials and on to mining applications. The focus here is mainly on two tasks: to increase the service life of the wear parts and, at the same time, to lower operating costs.

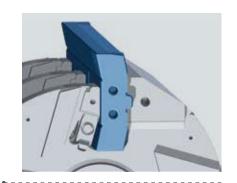
Optimum crushing result from any kind of deployment



C-shape rotor ledges

The C-shape rotor ledges are secured conveniently on the rotor via a lug on the rotor ledges. Depending on the application, they are available in different qualities:

- Manganese steel
- ▶ Martensitic steel
- ▶ Chrome steel
- ▶ Chrome ceramic
- ▶ Martensitic steel with ceramic



Composite wear plates

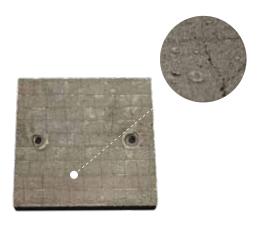
To protect the high-quality crusher housing against damage, it is completely panelled with highly wear-resistant plates. Depending on the feed material, material stress can vary considerably. In order to reduce change times and wear costs, KLEEMANN not only offers the standard plates (hardness: 400 HV or 500 HV) but also special deposition-welded plates which, once again, enable even longer service lives.

Deposition welding:

- ▶ High-chromium special alloy
- ► Hardness: approx. 740 HV 10, approx. 62 HR
- ≥ Wear layer 10 mm

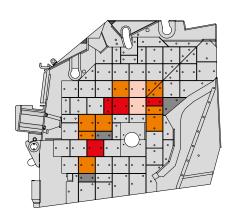
Recommended use:

≥ For high abrasive wear



> Surface of plates facing crusher interior.

Cracks are a prerequisite for optimum hardness.



> Plates in the main wear zone

ROTOR LEDGES



Depending on the application field and material properties, different rotor ledges are available to achieve optimum results.

------ The solution in natural stone and river gravel.

NATURAL STONE



Primary crushing stage

- ≥ Feed size >250 <450 mm
- ▶ Reduced costs per ton
- ▶ Long service lives
- ▶ Low risk of fracture
- ≥ Hardness: 55 56 HRC



Secondary crushing stage

- ▶ Reduced costs per ton
- ▶ Long service lives
- Hardness: 60 62 HRC





- > CHROMCOMP
- > CHROMXPERT

RIVER GRAVEL



- ▶ Reduced costs per ton
- ▶ Long service lives
- ≥ Hardness: 60 62 HRC



- > CHROMXPERT



·············· The solution in recycling.

CONCRETE RECYCLING



Standard application

- ≥ Reduced costs per ton
- ▶ Long service lives
- ▶ Low risk of fracture
- ► Hardness: 55 56 HRC



- > MARTCOMP
- > MARTXPERT



Abrasive application

- ▶ Reduced costs per ton
- ▶ Longer service lives than MartComp and MartXpert
- Retention of the impact edge until completely worn
- ▶ Low risk of fracture
- ≥ Hardness: 55 56 HRC



ASPHALT RECYCLING



Asphalt slabs

- ≥ Reduced costs per ton
- ▶ Long service lives
- Retention of the impact edge until completely worn
- ≥ Hardness: 55 56 HRC



Milled asphalt (without uncrushable elements)

- ▶ Reduced costs per ton
- ▶ Long service lives
- ≥ Hardness: 60 62 HRC



- > CHROMCOMP
- > CHROMXPERT



l	FVO	LINE				
EVO2	MR 110 Z EVO2	MR 130 Z EVO2				
Feed size up to max. (depending on material)	880 x 550 mm	1,040 x 650 mm				
Crusher inlet (W x H)	1,100 x 800 mm	1,300 x 900 mm				
Feed capacity up to approx.	350 t/h	450 t/h				
Weight approx.*	44,500 - 58,500 kg	49,500 - 64,500 kg				
Drive concept	Diesel-direct					
Features	Side discharge conveyors, rigid or hydraulically foldable (optional) Simple control, menu-guided touch panel - SPECTIVE					
	Feed control Continuous Feed System (optional)					
	A					
	Automatic crusher gap setting					
	Rotor with 3 rotor ledges (optional 4 rotor ledges)	Rotor with 4 rotor ledges				
	Magnetic separator (optional) Independent double-deck prescreen					
	Secondary screening unit with return conveyor (optional)					

Natural stone, recycling

Application spectrum

^{*} Standard equipment - full equipment

QUARRY LINE							
MR 122 Z	MR 150 Z	MR 170 Z					
1,000 x 625 mm	1,220 x 760 mm	1,330 x 830 mm					
1,270 x 1,000 mm	1,520 x 1,000 mm	1,660 x 1,000 mm					
475 t/h	550 t/h	700 t/h					
64,000 - 68,500 kg	75,000 kg **	93,000 kg **					
Diesel-electric, connection to external power supply (optional)							
Mountable side discharge conveyors (optional)							
Electrical control with plain text display							
Crusher fill level monitoring							
Hydraulically supported crusher gap adjustment							
Rotor with 4 rotor ledges							
Magnetic separator (optional)							
Independent double-deck prescreen							
Natural ston	Natural stone						

 $[\]ensuremath{^{\star\star}}$ Minimum weight without options, exact weight specifications upon request





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