COMPETENCE AS TRADITION

KLEEMANN is part of the WIRTGEN GROUP, a group of companies in the plant construction industry who operate on an international level. This Group includes the five well-known brands, WIRTGEN, VÖGELE, HAMM, KLEEMANN and BENNINGHOVEN, with their headquarters in Germany and local production sites in Brazil, India and China. Customer service is provided worldwide through its 55 independent sales and service outlets.
For the past 100 years, KLEEMANN GmbH has been developing and manufacturing machines and plants for the natural stone and recycling industry.

Through the WIRTGEN GROUP, KLEEMANN can offer service and support throughout the world. Optimum customer care and performance and availability of the plants are thus guaranteed at all times.
As an innovative manufacturer of mobile crushing and screening plants, KLEEMANN impresses with high quality, state-of-the-art technologies and superior application know-how.
THE KLEEMANN PRODUCT PROGRAMME

MOBILE CONE CRUSHERS

MOBILE IMPACT CRUSHERS

MOBILE SCREENING PLANTS

MOBILE JAW CRUSHERS

MOBIRIX

MOBICONE

MOBICAT

MOBISCREEN

KLEEMANN
For high crushing rates and high-quality end product with cubic grain shape in the 1st and 2nd crushing stage

USE IN:
> soft to medium-hard natural stone
> recycling

For recrushing in the 2nd and 3rd crushing stage

USE IN:
> medium-hard to hard, abrasive natural stone
> mining applications

For coarse and pre-crushing

USE IN:
> medium-hard to hard natural stone
> recycling
> mining applications

Screens for process or coarse elements

USE IN:
> all natural stones
> residual construction materials
> iron

For recrushing in the 2nd and 3rd crushing stage

USE IN:
> moderate abrasive natural stone
Mobile impact crushers of the MOBIREX series are deployed in soft to medium-hard natural stone and for reprocessing residual construction materials. The performance of the plant systems is immense – not just in terms of pure volume reduction. Costs and environmental awareness, availability, versatility and, above all, the quality of the end product to be produced are important aspects that speak for the MOBIREX impact crushers from KLEEMANN. Whether quarrying or on the construction site - stone is crushed with MOBIREX plant systems so efficiently that the grain shape, grain distribution and cleanliness meet the high demands of the concrete and asphalt aggregates standards.
## APPLICATION OF THE MOBIREX PLANTS

<table>
<thead>
<tr>
<th>Model</th>
<th>Recycling</th>
<th>Natural stone</th>
</tr>
</thead>
<tbody>
<tr>
<td>MR 130 Z EVO2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MR 150 Z</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MR 170 Z</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MR 110 Z EVO2</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Feed Opening
- **65" x 40"** (1,660 mm x 1,000 mm)
- **60" x 40"** (1,520 mm x 1,000 mm)
- **56" x 36"** (1,420 mm x 900 mm)
- **52" x 36"** (1,300 mm x 900 mm)
- **50" x 40"** (1,270 mm x 1,000 mm)
- **44" x 32"** (1,100 mm x 800 mm)

### Max. Feed Capacity [US t/h]
- **MR 170 Z** / max. 772 US tons (700 t)
- **MR 150 Z** / max. 606 US tons (550 t)
- **MR 122 Z** / max. 524 US tons (475 t)
- **MR 130 Z EVO2** / max. 496 US tons (450 t)
- **MR 110 Z EVO2** / max. 386 US tons (350 t)
MOBIREX EVO-LINE MOBILE IMPACT CRUSHER

THE POWERFUL ALLROUNDER

YOUR ADVANTAGES AT A GLANCE

Flexible: For diverse end products.
Agile and compact: During transport and in use.

The MOBIREX EVO-Line plant systems can be deployed in many ways: Not only in natural stone but also in residual construction material processing, they ensure first class product quality and are capable of impressive material flow rates. Furthermore, the impact crushers are comparatively easy to transport. The flexible drive concept enables trouble-free operation even as deployment conditions change.
**Optimum crushing result:** Crusher unit with innovative C-shape rotor ledges for better impact over long periods; fully hydraulic crusher gap adjustment via touch panel

**Safe rotor ledge replacement:** Lock & Turn safety system

**Effective screening** even for smaller grain sizes: Powerful secondary screening unit (option) with extra large screen surface

**Easy to transport:** Trouble-free loading thanks to greater ground clearance. Secondary screening unit can simply be transported separately using hooklift system

**Frugal consumption:** Efficient and powerful diesel-direct drive with fluid coupling for protection of the plant

**Use in recycling**
MOBILE IMPACT CRUSHERS

MOBIREX MR 110/130 EVO2
THE COMPACT POWER PACKS

The mobile impact crushers of the EVO-Line can be deployed universally and produce first class final product quality. Despite their comparatively compact crusher inlet widths of 44” or 52” (1,100 mm or 1,300 mm) (MR 110 EVO2 / MR 130 EVO2), they achieve outputs that up to now were only known to be possible with distinctly larger crushing plant systems. This is made possible by outstanding cost effectiveness and performance with a variety of technical highlights. Thanks to their compact design, the plant systems are easy to transport and can be assembled and disassembled again quickly.

THE KLEEMANN APPLICATION RECOMMENDATION

- Processing of soft natural stone in 1st crushing stage
- Processing of soft and medium hard natural stone in 2nd crushing stage
- Processing of residual construction materials such as rubble
- For varying deployment locations thanks to ease of transportation
- For medium to large batch sizes

APPLICATION

In natural stone, depending on the type of stone, in the 1st or 2nd crushing stage. In recycling for processing mineral-based rubble
First class final product quality, versatile areas of use, high machine availability: MOBIREX EVO2.

### Technical information MR 110 Z EVO2

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Feed capacity up to approx.</td>
<td>386 US t/h (350 t/h)</td>
</tr>
<tr>
<td>Crusher inlet (W x D)</td>
<td>44&quot; x 32&quot; (1,100 x 800 mm)</td>
</tr>
<tr>
<td>Weight</td>
<td>120,150 lbs (54,500 kg)</td>
</tr>
<tr>
<td>Engine/motor output</td>
<td>498 hp (371 kW)</td>
</tr>
</tbody>
</table>

### Technical information MR 130 Z EVO2

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Feed capacity up to approx.</td>
<td>496 US t/h (450 t/h)</td>
</tr>
<tr>
<td>Crusher inlet (W x D)</td>
<td>52&quot; x 36&quot; (1,300 x 900 mm)</td>
</tr>
<tr>
<td>Weight</td>
<td>132,275 lbs (60,000 kg)</td>
</tr>
<tr>
<td>Engine/motor output</td>
<td>498 hp (371 kW)</td>
</tr>
</tbody>
</table>
MOBILE IMPACT CRUSHERS

CRUSHER UNIT - FEATURING MANY INNOVATIVE HIGHLIGHTS

Optimized material flow for greater economy.

The MOBIREX EVO2 plant systems stand out with numerous technical innovations - notably the unique material flow concept, which is evident throughout the whole machine. This makes it possible to achieve high material flow rates.

- Extension of system widths across all components in material flow direction
- Material stream is not restricted
- Higher total throughput with lower fuel consumption
- Longer service life thanks to reduced wear

CLEVER MACHINE CONCEPT
Thanks to its special inlet geometry, the crusher unit of the MOBIREX EVO2 plant systems is capable of drawing in the material optimally and, in the process, guarantees high material flow rates. The crusher inlet cover and the upper impact toggle in the inlet area can be hydraulically raised by means of remote control - thereby facilitating effective bridging reduction. The fully hydraulic overload system protects the machine effectively against damage in the event of uncrushable material. The clever rotor ledge clamping system and the innovative “Lock & Turn” safety system mean that replacing the rotor ledge is quite simple and safe.
The “Lock & Turn” system provides the highest level of safety during rotor ledge change and releasing bridging. Special keys for maintenance flaps and components ensure that work is only ever performed in one area of the crusher at the same time respectively.

If the operator wishes to continue work in a different hazard area, he/she must withdraw the key from the previous area, which in turns locks and secures it automatically.

A plug-in locking and rotating device also allows the rotor of the crusher to be turned and blocked manually in any position from the outside. This enables the replacement of rotor ledges and makes it possible to remove blockages safely.

> ABRIDGED INSTRUCTIONS

**STEP 1**
To safely lock the rotor, the machine operator first triggers the “Lock rotor” command on the touch panel that is used to control the plant.

**STEP 2**
In this way, the rotor locking and rotating device is enabled and can be moved with a crank on the gear ring of the crusher belt pulley.

**STEP 3**
Following this, the operating element is inserted in the enable station of the system. The rotor is now locked securely and the keys to open the danger areas are released.

**STEP 4**
Once the keys are removed, the operating element and thereby the locking device can no longer be released – the rotor remains reliably secured.
**STEP 5**
The crusher housing can be opened after inserting a special key. When the housing is open, the key can no longer be withdrawn and blocked material can be safely removed - the rotor is safely blocked.

**STEP 6**
The safety system also boosts comfort. With the crank on the rotor locking and rotating device, the operator turns the rotor without putting himself/herself at risk and, in this way, can move it to the optimum position for replacement of the rotor ledges.

**CRUSHER GAP ADJUSTMENT - QUICK AND EASY**

To make changes to the material or the desired end grain size, a simple crusher gap adjustment is indispensable.

On the MOBIREX MR EVO2 plant systems, adjustment of the crushing gap is fully hydraulic and can be carried out from ground level via the touch panel - even while the rotor is running! A real bonus for efficiency and productivity.

**CONVEYOR CONTROL - CONTINUOUS FEED SYSTEM CFS**

The Continuous Feed System (CFS) makes an essential contribution to the high performance of the plant.

- Sensors measure the load of the rocker and the rotor.
- Depending on the load status of the crusher, the conveying frequencies of the vibrating feeder and the prescreen can be regulated independently of each other.
- Once the crushing chamber is free again following an overload, the material transport is continued without delay.

This means that the plant is quickly back to full output, wear of the components is reduced and the overgrain percentage is minimized.
MOBILE IMPACT CRUSHERS

**EFFECTIVE SCREENING - FOR LOW WEAR AND BEST FINAL PRODUCT QUALITY**

On MOBIREX EVO2 plant systems, primary screening is carried out by an independently vibrating double-deck prescreen, which assures effective screening of the fine elements. The medium grain is channelled directly to the discharge chute via the crusher bypass. In this way, wear in the crushing chamber is reduced and the quality of the end product is increased.

The optional secondary screening unit makes it possible to screen a specific grain size. The large screen surface enables effective screening even with grain sizes below 1.2” (30 mm). The discharge height is set to the maximum here for a large heap volume and an oversize grain return facilitates a closed material loop.

![Independently vibrating double-deck prescreen](image1)

![Vibrating screen with extra large screening area](image2)

THE DRIVE COMPARISON

**INNOVATIVE CONCEPT - COST-EFFECTIVE AND RELIABLE**

**DIESEL-DIRECT-ELECTRIC VS. HYDRAULIC DRIVES**

- **30%**
- **20%**

> **HIGH PERFORMANCE, LESS CONSUMPTION**

Up to 30% more cost-effective compared to hydraulic drives: the drive concept “diesel-direct-electric”

The MOBIREX EVO2 plant systems are distinguished by the innovative diesel-direct-electric drive concept. The direct drive of the crusher by means of fluid coupling is extremely efficient and powerful and impresses with very low consumption values.

The fluid coupling guarantees high operational reliability and protection for the machine. The onboard power generator is used to drive the prescreen as well as the chutes and conveyor belts. Speed setting is simple and fully automatic - adaptable to material and without setup times.
Flexibility meets power

The powerful performance and low consumption values of MOBIREX EVO2 plant systems are as impressive as the first class final product quality. They are agile and compact - with the highest productivity.

Daniel Speisser
Manager Customer Support Training
MOBILE IMPACT CRUSHERS

MOBILE IMPACT CRUSHER - MOBIREX QUARRY-LINE

THE CRUSHER FOR PARTICULARLY TOUGH DEPLOYMENT SITUATIONS

MOBILE IMPACT CRUSHERS

MOBILE IMPACT CRUSHER - MOBIREX QUARRY-LINE

THE CRUSHER FOR PARTICULARLY TOUGH DEPLOYMENT SITUATIONS


The “Quarry-Line” plant systems are designed to deal with the tough conditions encountered during quarrying. Its diesel-electric drive concept works extremely efficiently and also enables operation of the plant systems via an external power source - for longer term deployment in soft to medium hard natural stone and processing residual construction materials.

Easy to operate, fast diagnosis in the event of an error: electrical system with integrated remote maintenance system and display with fault code display

Powerful and flexible: diesel-electric drive concept with optional connection to external power source

YOUR ADVANTAGES AT A GLANCE

Use in natural stone and recycling
Sturdy, low maintenance, **high operational safety:** Impact crushers with two hydraulically-adjustable impact toggles with two-stage material reduction for optimum grain shape

Best final product quality thanks to **effective prescreening** of fine elements and contamination with an independently vibrating double-deck prescreen

**Low wear,** longer conveyor belt service life: Redirection and braking of crushed material by discharge chute and crusher discharge conveyor, large chute volume

**Convenient conveying** even by wheel loader: generous feeding unit

Use in natural stone and recycling
MOBILE IMPACT CRUSHERS

MOBIREX MR 122 Z
A CLASSIC

Continually further developed, powerful and no compromise in the design: MR 122 Z

THE KLEEMANN APPLICATION RECOMMENDATION

- Processing of soft stone, such as limestone, in the first crushing stage
- Processing of soft and medium hard stone in the 2nd crushing stage
- Processing of residual construction materials such as rubble
- For medium batch sizes

APPLICATION

Use in natural stone and recycling
The MR 122 Z is a classic among mobile impact crushers. The trusted professional for soft and medium hard natural stone as well as rubble and demolition material processing.

WELL EQUIPPED

Even in its basic version, the clearly structured plant system has everything that it needs. An active doubledeck prescreen with slotted grate or perforated sheet, a crusher with two impact toggles and an discharge chute all come as standard with the MOBIREX MR 122 Z.

Special version MR 122 RR with wobbler feeder prescreening

As the “RR version” - i.e. equipped with a wobbler feeder instead of a prescreen - the MR 122 is predestined for use in binding material. Dirt and stones are separated in advance and the crusher unit is kept free of clogging and wear.

Technical information MR 122 Z

<table>
<thead>
<tr>
<th>Feed capacity up to approx.</th>
<th>524 US t/h (475 t/h)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crusher inlet (W x D)</td>
<td>50&quot; x 40&quot; (1,270 x 1,000 mm)</td>
</tr>
<tr>
<td>Weight</td>
<td>149,700 lbs (67,900 kg)</td>
</tr>
<tr>
<td>Engine/motor output</td>
<td>489 hp (365 kW)</td>
</tr>
</tbody>
</table>
MOBILE IMPACT CRUSHERS

MOBIREX MR 150 Z
THE STURDY PLANT FOR SPECIAL APPLICATIONS

Processing of soft stone, such as limestone, in the first crushing stage
Processing of soft and medium hard stone in the 2nd crushing stage
For large batch sizes

THE KLEEMANN APPLICATION RECOMMENDATION

Sturdy design and high flow rate: the MR 150 Z with double-deck prescreen.

APPLICATION

Deployed in natural stone
The MOBIREX MR 150 Z is the largest mobile impact crusher that can be transported in one. With an especially sturdy design, the MR 150 Z is configured for effectiveness. With the effective prescreening, the powerful crusher unit achieves a feed capacity of up to 606 US tons (550 tons) per hour thanks to the large double-deck prescreen.

**COST EFFECTIVE SOLUTION**

As with all plant systems of the Quarry-Line, the MR 150 Z can be supplied optionally via an external power source and autonomously via a diesel power supply unit. In quarrying operations, above all, this has proven to be an extremely cost effective solution.

**Technical information MR 150 Z**

<table>
<thead>
<tr>
<th>Feed capacity up to approx.</th>
<th>606 US t/h (550 t/h)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crusher inlet (W x D)</td>
<td>60&quot; x 40&quot; (1,520 x 1,000 mm)</td>
</tr>
<tr>
<td>Weight</td>
<td>165,350 lbs (75,000 kg)</td>
</tr>
<tr>
<td>Engine/motor output</td>
<td>643 hp (480 kW)</td>
</tr>
</tbody>
</table>

**ROBUST CRUSHER**

Sturdy impact crusher with 4 X-Shape rotor ledges
MOBIREX MR 170 Z
DIMENSIONS CHOSE FOR MAXIMUM FEED CAPACITY

As a classic quarrying machine, the MR 170 is optimally adapted to the needs of its user and predestined for longer term use.

THE KLEEMANN APPLICATION RECOMMENDATION

- Processing of soft stone, such as limestone, in the first crushing stage
- Processing of soft and medium hard stone in the 2nd crushing stage
- For maximum batch sizes
The largest mobile impact crusher system MOBIREX MR 170 Z from KLEEMANN is configured for maximum volume and longer term use. Feed sizes of up to 52” x 32” (1,300 x 800 mm) are possible. Despite the heavy weight of the plant of 104 US tons (93 tons), it can be easily relocated in the quarry. For road transport, the MOBIREX MR 170 is separated into two main components.

**EFFECTIVE AND POWERFUL**

Used predominantly for limestone, the plant is suitable both as a classic primary crusher with feed sizes of up to 52” (1,300 mm) or in the case of reduced feed sizes for crushing down to the final grain.

Another bonus of the plant is the effective prescreening with 11’ 6” (3.5 m) long double-deck heavy-piece screen.

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### Technical Information MR 170 Z

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Feed capacity up to approx.</td>
<td>772 US t/h (700 t/h)</td>
</tr>
<tr>
<td>Crusher inlet (W x D)</td>
<td>65” x 40” (1,660 x 1,000 mm)</td>
</tr>
<tr>
<td>Weight</td>
<td>205,030 lbs (93,000 kg)</td>
</tr>
<tr>
<td>Engine/motor output</td>
<td>643 hp (480 kW)</td>
</tr>
</tbody>
</table>

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Sturdy impact crusher with 4 X-Shape rotor ledges
OPTIMUM CRUSHING RESULTS
OWING TO THE CORRECT FRAMEWORK CONDITIONS

An optimum crushing result can only be achieved with perfectly adapted plant components - and the right settings at the operator’s discretion in each case. With these tips, it is possible to find the ideal settings for any task.

**Feed material**
- Feed size: The maximum feed size should not exceed 80% of the specified crusher opening
- Compressive strength: Mineral materials up to a maximum compressive strength of 100 MPa in the first crushing stage, 150 MPa in the 2nd crushing stage can be used
- Mineral type: Impact crushers of the SHB-series process soft to medium hard natural stone such as limestone, dolomite or sandstone as well as residual construction materials like rubble, bricks, asphalt and concrete

**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 crushing ratio guidelines apply:

- Limestone, rubble and asphalt up to approx. 10:1
- Reinforced concrete 10:1 to 15:1, depending on concrete grade
- Material such as limestone, rubble, bricks, concrete of lower quality or production in a closed loop (with downstream classifying screen and oversize grain returning) 20:1 and higher

**Rotor speed and crushing gap**
If the rotor speed increases, the crushing curve moves to the left, which signifies an increase in the proportion of fine elements in the end product. With the use of a grinding path (optional), the proportion of fine elements increases further. In this case, the feed size must be limited to 10" (250 mm). The MOBIREX is used here solely as a secondary crusher.

In principle, an increase in rotor speed and/or a reduction of the crushing gap leads to increased wear and a reduction in the flow rate of the crushed material.
CRUSHING CURVE MOBIREX – LIMESTONE

CRUSHER CURVE MOBIREX – RUBBLE

CRUSHER CURVE MOBIREX – ASPHALT
THE KLEEMANN SERVICE PROGRAM:

CUSTOMER SERVICE AT KLEEMANN

Customer service at KLEEMANN means: reduced downtimes, minimum wear costs, maximum customer proximity.

A wide range of training courses as a basis for optimal use of our plants. A dense network with experienced service technicians. Quickly available original spare parts. All of this is guaranteed by our comprehensive support organization. Worldwide, day after day.

The KLEEMANN service program:
▷ Professional maintenance and repair of your machines and plants
▷ Preventive maintenance through service contracts
▷ Ordering of original parts - the correct wear part for your application, reduction in wear part and operating costs
▷ Application advice and training
Further information: service@kleemann.info

An essential element of the successful use of our plants is corresponding knowledge of their operation. In order to communicate the necessary technical knowledge to your employees, KLEEMANN offers a wide range of training courses, which can be carried out in the CTT (Center for Training and Technology) or on site.

Our local contact partners provide you with comprehensive support for all tasks and questions related to our products. Quick technical support is our main priority. We ensure short response times and quick solutions through a close network of subsidiaries, their experienced service technicians and the additional support provided by our support organization in the parent plant.

Original parts and accessories from KLEEMANN can assure the high reliability and availability of the machines in the long term. Rapid identification of the correct part is possible using WIDOS – the WIRTGEN GROUP documentation system. An overview of all spare parts with simple ordering information is available under www.partsandmore.net
Optimum crushing result from any kind of deployment
The areas in which a KLEEMANN impact crusher can be deployed are diverse and range from classic natural stone processing to the recycling of residual construction materials and further to mining applications.

The focus here is essentially on two tasks: Increasing the service life of the wear parts and, at the same time, reducing operating costs.

Impact crusher wear parts

1. Wear plates
2. Impact toggles
3. Rotor ledges
4. Impact plates
5. Support beams
6. Rubber curtain
7. Chain curtain
8. Rotor
Impact crusher wear - influencing factors
To assess the durability of a rotor ledge, not only the rotor ledge material but also other influencing factors have to be taken account of, which interact differently with each other in each case. Generally, the different influencing factors can be split into six categories.

- Feed material (stone influence)
- Moisture of material
- Crushing ratio
- Fine elements in crusher
- Rotor speed
- Ratio of top to bottom rocker

It's down to the material
Depending on the machine series, different shapes of rotor ledge have to be used. KLEEMANN offers three different shapes: X-shape, S-shape and C-shape. All three shapes are available in a variety of materials.

For ideal results, the shape as well as the material of the rotor ledges should be adapted to the crushing task.
### EVO-LINE

<table>
<thead>
<tr>
<th></th>
<th>MR 110 Z EVO</th>
<th>MR 130 Z EVO</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Feed size up to max.</strong> (depending on material)</td>
<td>36” x 35” (900 x 880 mm)</td>
<td>44” x 28” (1,100 x 700 mm)</td>
</tr>
<tr>
<td><strong>Crusher system size</strong></td>
<td>44” x 32” (1,100 x 800 mm)</td>
<td>52” x 36” (1,300 x 900 mm)</td>
</tr>
<tr>
<td><strong>Feed capacity up to approx.</strong></td>
<td>386 US t/h (350 t/h)</td>
<td>496 US t/h (450 t/h)</td>
</tr>
<tr>
<td><strong>Weight approx.</strong></td>
<td>120,150 lbs (54,500 kg)</td>
<td>132,275 lbs (60,000 kg)</td>
</tr>
<tr>
<td><strong>Drive concept</strong></td>
<td>diesel-direct-electric</td>
<td></td>
</tr>
<tr>
<td><strong>Features</strong></td>
<td>mountable side discharge conveyors (optional)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>simple control, menu-guided touch panel</td>
<td></td>
</tr>
<tr>
<td></td>
<td>feeding control CFS Continuous Feed System (optional)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>fully automatic crushing gap adjustment</td>
<td></td>
</tr>
<tr>
<td></td>
<td>rotor with 3 rotor ledges (opt. 4 rotor ledges)</td>
<td>rotor with 4 rotor ledges</td>
</tr>
<tr>
<td></td>
<td>magnetic separator (optional)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>independent double-deck prescreen</td>
<td></td>
</tr>
<tr>
<td></td>
<td>secondary screening unit with return conveyor (optional)</td>
<td></td>
</tr>
<tr>
<td><strong>Application spectrum</strong></td>
<td>Natural stone Recycling</td>
<td>Natural stone Recycling</td>
</tr>
</tbody>
</table>
ALL IMPORTANT FEATURES AT A GLANCE

<table>
<thead>
<tr>
<th>QUARRY-LINE</th>
</tr>
</thead>
<tbody>
<tr>
<td>MR 122 Z</td>
</tr>
</tbody>
</table>

- **Feed size**
  - MR 122 Z: 39” x 32” (1,000 x 800 mm)
  - MR 150 Z: 48” x 32” (1,200 x 800 mm)
  - MR 170 Z: 52” x 32” (1,300 x 800 mm)

- **Crusher system**
  - MR 122 Z: 50” x 40” (1,270 x 1,000 mm)
  - MR 150 Z: 60” x 40” (1,520 x 1,000 mm)
  - MR 170 Z: 65” x 40” (1,660 x 1,000 mm)

- **Feed capacity**
  - MR 122 Z: 524 US t/h (475 t/h)
  - MR 150 Z: 606 US t/h (550 t/h)
  - MR 170 Z: 772 US t/h (700 t/h)

- **Weight**
  - MR 122 Z: 149,700 lbs (67,900 kg)
  - MR 150 Z: 165,350 lbs (75,000 kg)
  - MR 170 Z: 205,030 lbs (93,000 kg)

- **Drive concept**
  - Diesel-direct-electric
  - Diesel-electric, connection to external power supply (optional)

- **Features**
  - Mountable side discharge conveyors (optional)
  - Electrical control with plain text display
  - Crusher fill level monitoring
  - Hydraulically assisted crusher gap adjustment
  - Rotor with 4 rotor ledges
  - Magnetic separator (optional)
  - Independent double-deck prescreen

- **Application spectrum**
  - Natural stone
  - Recycling

<table>
<thead>
<tr>
<th>Natural stone</th>
<th>Natural stone</th>
<th>Natural stone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Recycling</td>
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