



MOBICAT

■ TRACK-MOUNTED JAW CRUSHERS



Competence as tradition: 150 years of Kleemann.

For the past 150 years, Kleemann has been developing and manufacturing machines and plants for the natural stone and recycling industry.

One of the most important elements of the Kleemann product range is the track-mounted jaw crusher from the MOBICAT series.

MOBICAT jaws are used for the crushing of almost all natural stone and for the reprocessing of residual construction materials.

In order to provide our customers with more than just an average machine, Kleemann manufactures jaw crushers of an uncompromising and sturdy design, suitable for the most difficult of applications.

The focus today is on cost, the environment, availability, versatility and above all, the quality of the end product. It is not the jaw crusher alone which determines the performance of a MOBICAT crushing plant but rather the perfect collaboration of all components which plays a decisive role. A continuous feeding unit and an effective primary screen are just as important here as a smooth extraction of the crushed material. Kleemann unites these characteristics in its MOBICAT plants, supplementing them with a variety of useful details to create a machine which really sets the standard when it comes to operating efficiency and reliability.

Please use this brochure to learn more about our many plant models, and see which might work for you. Our sales team will be happy to provide more information.



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Your advantages at a glance.

» 1 Feeding unit

- > Continuous flow of material to the crusher through a variable speed control feeder
- > Hydraulic folding hopper walls
- > High wear resistance

» 2 Primary screening 2.2 Integrated grizzly

- > Compact dimensions
- > Suitable for recycling plants and applications with a low fines level
- > Low weight
- > Flexible thanks to its varied features

» 2 Primary screening

2.1 Double-deck heavy-duty screen

- > Effective primary screening of fines and contaminated material
- > Top deck interchangeable punched sheet or grizzly, bottom deck wire mesh or rubber blank
- > Discharge material can be conveyed either to the left or to the right
- > Improves flow of material to crusher reducing blockages and feed surges
- > Faster screen mesh replacement thanks to good accessibility

» 3 Crusher

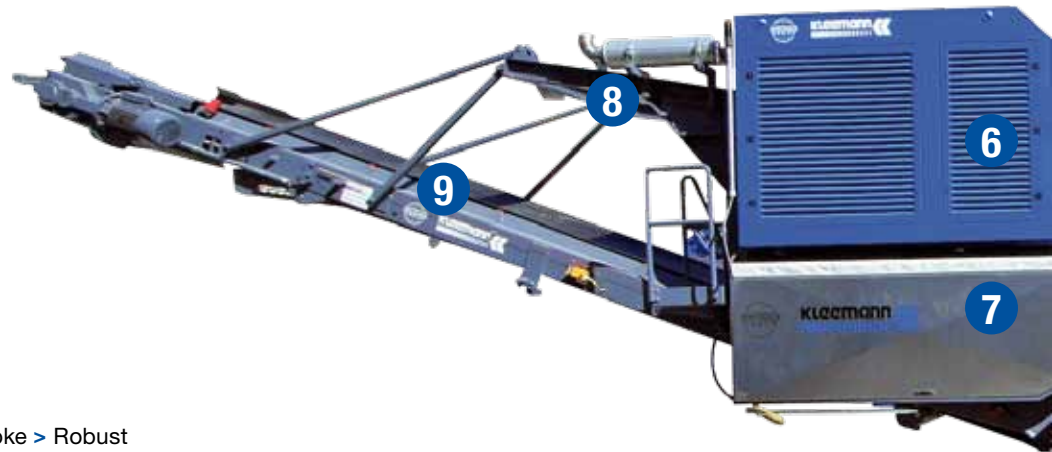
- > Extremely powerful
- > Large stroke
- > Robust welded structure
- > Overload and high level sensor protection to help control feed
- > Optimal crusher inlet due to generously dimensioned transfer height
- > Easily accessible adjusting device
- > Fast crusher jaw replacement
- > Wear-resistant crusher jaw attachment

» 4 Crusher discharge chute and main conveyor

- > Optimized design to improve on wear and tear
- > Longer belt life due to redirection and deceleration of the crushed material
- > No constriction of the material flow

» 5 Chassis

- > Outstanding accessibility for maintenance and cleaning
- > Fully integrated chassis beam for maximum strength
- > Even weight distribution for optimal maneuverability on impassable terrain



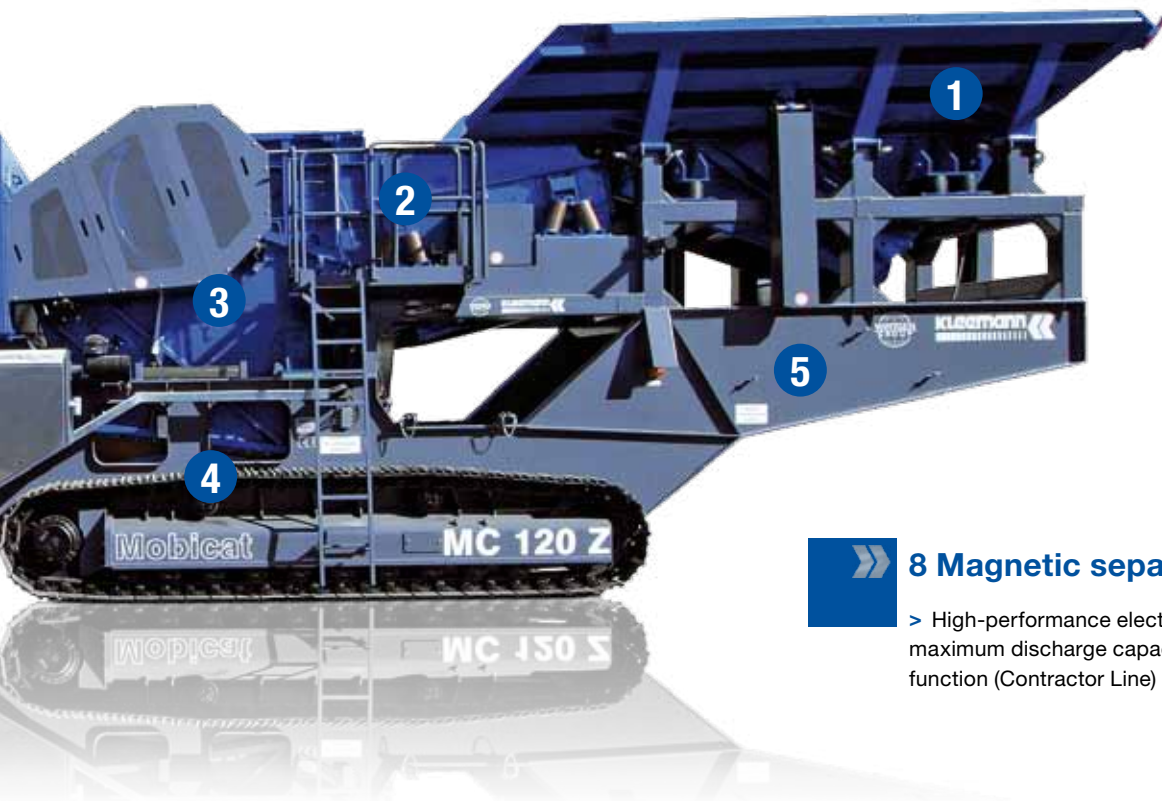


» 6 Power supply unit

- > Powerful, efficient, low noise, fuel consumption
- > Excellent accessibility > Liquid cooled
- > Easy to maintain and clean

» 7 Electrical system

- > Effective protection against dust and moisture thanks to a double protective housing, vibration insulation and over pressure system > Simple and logical operation > Built-in remote maintenance system



» 8 Magnetic separator (optional)

- > High-performance electro- or permanent magnet with maximum discharge capacity > Hydraulic lifting / lowering function (Contractor Line) by means of radio remote control

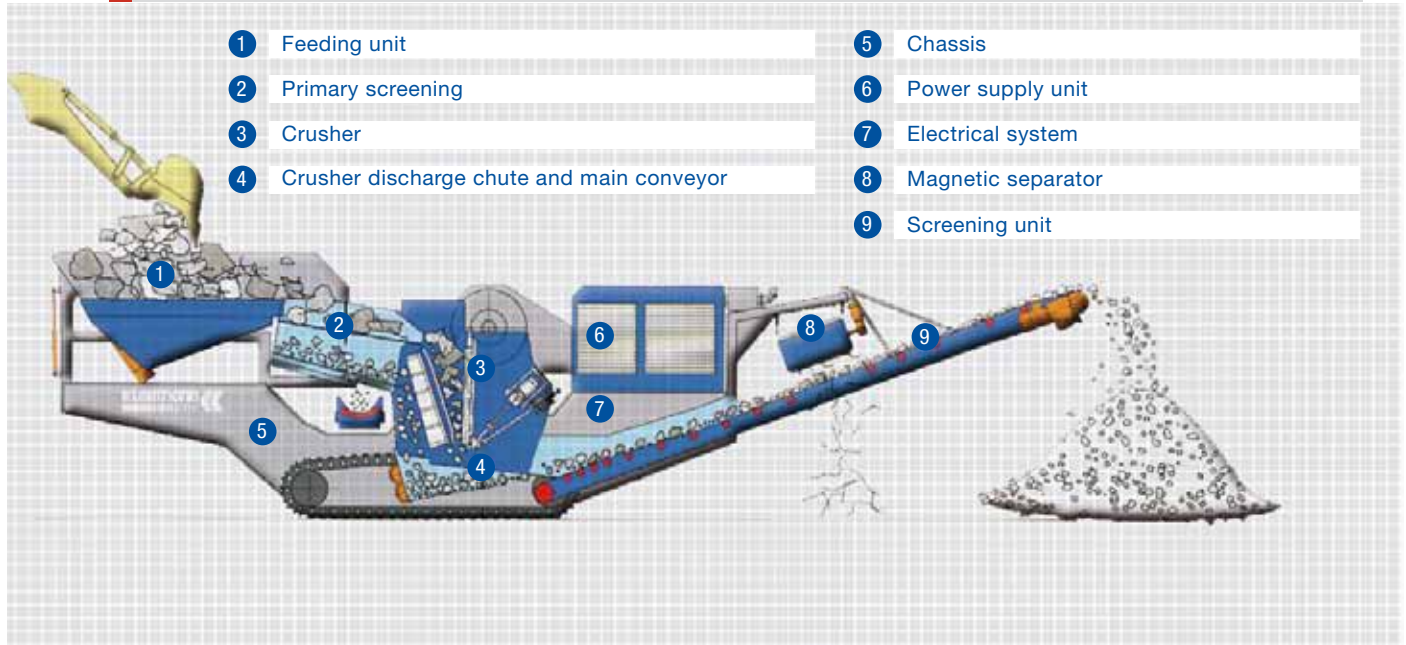


» 9 Screening unit (optional for MC 110)

- > X-large screening surface for effective screening even for small grain sizes > Maximum discharge height for extensive stockpiling of the finished product > Quick-changing unit with minimum setting up > Reduced wear due to impact zone > Large side conveyor for the stockpiling of oversize material

Technical details for your overall performance.

MOBICAT COMPONENTS / INDIVIDUAL PLANT CONFIGURATION



1 Feeding unit

- > Solid hopper made of wear-resistant steel
- > Hopper walls can be folded hydraulically
- > Can be mechanically or hydraulically locked from the ground
- > Feeder trough with integrated slotted grizzly or subsequent double-deck pre-screen
- > Variable speed via frequency-controlled electric motors

2 Primary screening

2.1 Independent pre screen

- > Double-deck heavy-duty screen
- > Upper deck: either slotted grizzly or punched sheet
- > Lower deck: either rubber blank or wire cloth
- > Possible process variations:
 - a) All feed material into the crusher
 - b) Coarse grain into the crusher, fine grain in the by-pass device
 - c) Coarse grain into the crusher, medium grain by-passed, fine grain to stockpile
 - d) Coarse grain into the crusher, medium-fine grain to stockpile
- > Frequency of drive regulated by angular gear (*CONTRACTOR LINE*)

2.2 Integrated slotted grizzly

- > Feeder trough with integrated primary screening
- > Upper deck: either slotted grizzly or punched sheet
- > Lower deck: either blind rubber or wire cloth
- > Variable speed via frequency controlled electric motors

3 Crusher

SStR-type crusher in robust design

- > Generously dimensioned bearings
- > Built-in filling level sensor control in crusher inlet

CONTRACTOR LINE

- > Full hydraulic gap setting
- > Reversible crusher drive

QUARRY LINE

- > Hydraulic assisted gap adjustment

4 Crusher discharge chute and main conveyor

CONTRACTOR LINE

Crusher discharge conveyor

- > Unrestricted transfer to crusher discharge conveyor either the same width or wider
- > Crusher discharge conveyor with material guide ledges
- > Careful transfer to the return conveyor by means of impact table

QUARRY LINE

Vibrating discharge chute

- > Efficient drive thanks to vibration motors
- > Bolted-in wear liners of high-strength steel

5 Chassis

- > Straight-forward design
- > Sturdy steel structure with fully welded I-beam chassis
- > High-quality running gear components

6 Power supply unit

- > Intercooled diesel engine with direct fuel injection and turbocharger
- > High-performance generator for the drive of all electric components (feeder trough, grizzly, return conveyor, extractor channel, vibrating discharge chute, final screen)

CONTRACTOR LINE

- > Diesel-electric / hydraulic drive
- > Hydraulic crusher drive
- > All other drives electric

QUARRY LINE

- > Diesel-electric drive
- > Electrical crusher drive
- > Drive system via crusher drive motor using electromagnetic coupling

7 Electrical system

- > SPS control
- > Error text display
- > Vibration insulated switch cabinet mounting
- > Double switch cabinet protective housing with over pressure system
- > Operation of all functions from the switch cabinet
- > Built-in remote maintenance system via GSM modem

8 Magnetic separator (optional)

- > High-performance electro- or permanent magnet
- > Magnet can be lifted or lowered via remote control (MC110)
- > Generously dimensioned stainless steel discharge chute

9 Screening unit (optional for MC 110)

- > Single-deck vibrating screen with large screening surface
- > Can be hydraulically lowered for maintenance work
- > Side discharge conveyor for oversize material
- > Drive using geared motor
- > Transmission of power by means of articulated shaft
- > Generously dimensioned bearing

CONTRACTOR LINE

The Contractor Line plants are designed in such a way that they can adapt to almost all working conditions – with regard to both the feed material and movement of the machinery.

They are comparatively easy to transport and have drive concepts that accommodate operational conditions. That means they are more than equipped for the most varied of applications, as well as for work in recycling and natural stone.

QUARRY LINE

The Quarry Line plants have been especially developed for the hard conditions experienced in quarries.

Their diesel-electric drive concept is extremely efficient and facilitates the operation of the plants via an external power source. Furthermore, this system allows for a reliable electrical locking device with interlinked plant combinations.



CONTRACTOR LINE

MOBICAT MC 100

The smallest track-mounted mobile jaw crusher MOBICAT MC 100 R impresses users with its compactness and reliability.

Often used for the most varied of materials, it offers wide-ranging possibilities for both demolition companies and contract crushers. When fitted with special gravel crushing jaws, the plant is a superb primary crusher for river gravel.

An extremely convenient feature is the fully hydraulic adjustable gap setting of the jaw crusher. Even with frequently changing material, the crusher adapts to the changed conditions within seconds.

As with all of its mobile plants, Kleemann has also made sure that there is an uninterrupted material flow for the MC 100. The material flow width remains at 40" (1,000 mm) both before and after crushing.



MC 100 R processing demolition waste.

Ample distance between the crusher outlet and the crusher discharge conveyor, as well as the continuous material guide ledges, prevents any rebar catching when discharged from the crusher.



Faster on target.

The advantage of the hydraulic crusher drive for wide-ranging feed material is best demonstrated by its starting torque and operational safety. Should the crushing jaw become blocked due to, for example, large feed sizes or reinforcing steel, the crusher drive can be reversed. The crusher can thus be cleared of blockages without any need for additional assistance.



Mobility a top priority:

In order to be able to transport the plant quickly and efficiently without any need for special vehicles, the option is there with the MC 100 R to hydraulically lower the crusher. This reduces the transport height to 10' 6" (3,200 mm).

Application range

- > soft to hard natural stone such as lime stone, granite, basalt, etc.
- > rubble, bricks, reinforced concrete

MC 100 R

TECHNICAL INFORMATION

Feed size: up to max.	37" x 24" (950 x 600 mm)
Crusher inlet opening:	40" x 25" (1,000 x 630 mm)
Feed capacity*:	up to 200 t/h
Measurements:	
Length:	42' (12,800 mm)
Width: (without side discharge conveyor)	9' 10" (3,000 mm)
Feeding height:	12' 4" (3,755 mm)
Weight: approx.	72,700 lbs (33,000 kg)

All information given is based on a standard design in operating position; subject to technical changes.

* depending on the type and consistency of the feed material, the primary screen selected, as well as the end product to be manufactured



Thanks to its compact dimensions, the MC 100 R is also well suited to working in confined conditions.



CONTRACTOR LINE

MOBICAT MC 110

With a feed opening of 44' x 28" (1,100 x 700 mm), the MC 110 is a more suitable machine for quarry work when compared to the MC 100. And with its manageable size and 45-50 ton weight, it is by far the most versatile of all the mobile jaw crushers. It unites the advantages of a professional stone crushing plant with the special features of a recycling crusher.

Like the MC 100, the MC 110 also has a high-torque, reversible hydraulic drive and fully hydraulic adjustable gap setting.

It's your choice.

The independently vibrating Z-version double-deck grizzly can be equipped with the most varied of screen surfaces, depending on the application. In this way, pre-screened material can be optionally directed around the crusher or delivered to the stockpile. The side discharge conveyor can be assembled in a left or right conveying direction enabling the user to work in the most restricted of spaces. As a lighter and more manageable plant, the MC 110 R is fitted with an integrated slotted grizzly.



A 350 hp (261 kW) diesel engine with flange-mounted hydraulic pumps and coupled generator powers the crusher drive and the electrical drives of the belt conveyors, vibrating feeders and screens.



We pay attention to detail:

The MOBICAT MC 110 can be optionally equipped with a screening unit for the manufacture of a screened final product size. The single deck screening unit can be hydraulically disconnected in just a few simple movements and is also equipped with a 19' 8" (6 m) long oversized product conveyor.

Application range

- > soft to hard natural stone such as limestone, granite, basalt, etc.
- > rubble, bricks, reinforced concrete

MC 110 R		MC 110 Z		TECHNICAL INFORMATION	
Feed size: up to max.	41" x 26" (1,050 x 650 mm)	Feed size: up to max.	41" x 26" (1,050 x 650 mm)		
Crusher inlet opening:	44" x 28" (1,100 x 700 mm)	Crusher inlet opening:	44" x 28" (1,100 x 700 mm)		
Feed capacity*:	up to 300 t/h	Feed capacity*:	up to 300 t/h		
Measurements:		Measurements:			
Length: (without screening unit)	45' 5" (13,840 mm)	Length: (without screening unit)	48' 4" (14,730 mm)		
Length: (with screening unit)	55' (16,750 mm)	Length: (with screening unit)	57' 10" (17,640 mm)		
Width: (without side discharge conveyor)	9' 10" (3,000 mm)	Width: (without side discharge conveyor)	9' 10" (3,000 mm)		
Feeding height:	12' 10" (3,920 mm)	Feeding height:	13' 11" (4,240 mm)		
Weight: approx. (without screening unit)	101,400 lbs (46,000 kg)	Weight: approx. (without screening unit)	103,600 lbs (47,000 kg)		
Weight: approx. (with screening unit)	114,600 lbs (52,000 kg)	Weight: approx. (without screening unit)	116,800 lbs (53,000 kg)		
		All information given is based on a standard design in operating position; subject to technical changes. * depending on the type and consistency of the feed material, the primary screen selected, as well as the end product to be manufactured			



QUARRY LINE

MOBICAT MC 120

A real classic among the mobile jaw crushers of the MOBICAT series is the MC 120 Z.

Designed for use by professional quarry operators, as well as contractors with suitable transport options, the MC 120 Z with its 70 tons is perfect for almost all natural stone.

Equipped with a vibrating feeder underneath the crusher as standard, this plant has little difficulty with the processing of hard, sharp or extremely abrasive material. The longevity of the crusher discharge conveyor belt is thus considerably greater and the availability of the plant increased.

With its 70 tons, the MC 120 Z is perfect for almost all natural stone.



Crushing of limestone in Russia.



Crushing of gravel in the USA.



Crushing of hard stone in Austria.

With the exception of the hydraulic drive system for tracking and crusher gap adjustment, all machine components of the MOBICAT MC 120 Z are electrically powered. A 385 hp (287 kW) diesel engine powers a 540 kVA generator. The fuel consumption ranges between 5 and 8 gallons per hour (20 and 30 l/h), depending on the hardness of the stone and the production.

The drive concept of the MC 120 Z allows for an optional external power source to supply the plant, meaning additional savings.



Uninterrupted feed through automation:

The 24-ton single toggle jaw crusher of the SStR series boasts low-maintenance and greater operating safety. A level sensor mounted at the crusher inlet controls the continuous feed of the crusher. The feeder and grizzly shut down when full, and the level sensor monitor switches both back on once the level in the crusher has been reduced.

Application range

- > natural stone such as limestone, granite, basalt, etc.
- > rubble, bricks, reinforced concrete

MC 120 Z

TECHNICAL INFORMATION

Feed size: up to max.	44" x 28" (1,100 x 700 mm)
Crusher inlet opening:	48" x 32" (1,200 x 800 mm)
Feed capacity*:	up to 350 t/h
Measurements:	
Length:	59' 9" (18,200 mm)
Width:	9' 10" (3,000 mm)
Feeding height:	15' 3" (4,650 mm)
Weight: approx.	154,300 lbs (70,000 kg)

All information given is based on a standard design in operating position; subject to technical changes.

* depending on the type and consistency of the feed material, the primary screen selected, as well as the end product to be manufactured



The hopper walls can be hydraulically folded for transport.



QUARRY LINE

MOBICAT MC 125

The MC 125 weighs, depending on its configuration, approximately 130 tons. It is designed with an electrical drive concept and its duties are usually performed in quarries.

Plants such as the MC 125 are being increasingly operated as primary crushers together with flexible belt conveyor systems.

The 49" x 40" (1,250 x 1,000 mm) SStR-type, 43-ton jaw crusher boasts a drive power of 268 hp (200 kW) which keeps the large gyrating mass of eccentric shafts, crusher jaws and flywheels moving. The length of the crusher jaws and their large stroke are a distinctive characteristic of these plants and reflect the uncompromising design of the machinery. The fully electric basic drive arrangement meets the requirements of modern quarries.

The operating efficiency of the MOBICAT MC 125 can be further increased thanks to its connection to a stationary power source.

The 481 hp (359 kW) diesel engine transmits to a 540 kVA generator. During operation, the MOBICAT generates enough power reserves to power additional external equipment such as vibrating screens, lighting, electrical tools or compressors.

Plants such as the MC 125 are being increasingly operated together with flexible belt conveyor systems. Powered by the MOBICAT generator, these - often mobile - belt conveyors transport the pre-crushed material to a stationary plant located at the edge of the deposit.



Ideally suited for the initial crushing stage: The MC 125 processes lumps of rock up to a feed size of 48" x 36" (1,200 x 900 mm).



The MC 125 is also available with a final screening unit.



Thanks to the modular design of the Kleemann crushing plants, the MC 125 can also be adapted to suit individual requirements, for example, for contaminated or sticky feed material. In a different version, the MC 125 also can be fitted with a wobbler grizzly instead of an independent pre screen. In the so-called S-version, the MC 125 is equipped with a final screening unit.

Operated as either a single- or double-deck screen, the plant is designed to be used for the direct or indirect feed of a secondary cone crusher.

Application range

> soft to hard natural stone such as limestone, dolomite, granite, basalt, quartzite, etc.

MC 125 Z

TECHNICAL INFORMATION

Feed size: up to max.	48" x 36" (1,200 x 900 mm)
Crusher inlet opening:	49" x 40" (1,250 x 1,000 mm)
Feed capacity*:	up to 600 t/h
Measurements:	
Length:	60' 4" (18,400 mm)
Width:	11' 8" (3,550 mm)
Feeding height:	19' (5,800 mm)
Weight: approx.	286,601 lbs (130,000 kg)



Ideally suited for the quarry requirements: diesel-electric drive concept.

All information given is based on a standard design in operating position; subject to technical changes.

* depending on the type and consistency of the feed material, the primary screen selected, as well as the end product to be manufactured



QUARRY LINE

MOBICAT MC 140

When it comes to high annual production quantities and large feed sizes of up to 52" x 40" (1,300 x 1,000 mm), the MOBICAT MC 140 is the plant you need. Depending on the conditions of the location and rock deposit, various grizzly modules and feeding units can be integrated, just like with the smaller MC 125.

The solid, 11' 6" (3.5 m) long double-deck heavy duty screen also has an extra level which helps screen the feed material. The upper deck can be fitted with either a slotted grizzly or punched sheet made from wear-resistant steel and in the lower deck, a steel mesh or steel punched sheet can be used. For the discharge of the pre-screen material to the stockpile, a detachable side discharge conveyor 26' 3" (8 m) long and 40" (1,000 mm) wide can be mounted to either side of the plant. The fully electric drive concept, with its option for stationary power input, facilitates the efficient crushing of compact and abrasive natural stone.

The single toggle jaw crusher of the SStR series with its 54-ton weight can be used for almost all natural stone.

The various shapes and arrangements of the crusher jaws makes a large range of achievable final aggregate fractions possible. The adjustment of the gap is set with spacer bars with hydraulic assist for ease of installation.



The MC 140 is in its element with large feed sizes and high production quantities. In combination with secondary crushing or screen plants, or even only used on its own, the MC 140 processes up to 700 t/h.



MC 140: Crushing of hard stone in Russia.

To ensure an efficient multi-stage crushing and screening process, it is important to have an effective and efficient pre-crushing in the initial primary stage.



A fill level monitor at the crusher inlet provides for an uninterrupted feed. Kleemann also offers its customers an optional vibrating feeder below the crusher on the MC 140. Sharp, hard or abrasive material is taken from the vibrating feeder with its changeable wear lining, turned around and carefully fed to the crusher discharge conveyor. At the same time the conveyor belt is fully loaded, perforations and wear are noticeably reduced, above all when a rough aggregate fraction of e.g. 0-16" (0-400 mm) is produced.

Application range

> soft to hard natural stone such as limestone, dolomite, granite, basalt, quartzite, etc.

MC 140 Z TECHNICAL INFORMATION

Feed size: up to max.	52" x 40" (1,300 x 1,000 mm)
Crusher inlet opening:	55" x 45" (1,400 x 1,130 mm)
Feed capacity*:	up to 700 t/h
Measurements:	
Length:	63' (19,200 mm)
Width:	11' 10" (3,600 mm)
Feeding height:	21' 4" (6,500 mm)
Weight: approx.	308,600 lbs (140,000 kg)



A rock chisel is also available for the MC 140.

All information given is based on a standard design in operating position; subject to technical changes.
 * depending on the type and consistency of the feed material, the primary screen selected, as well as the end product to be manufactured



QUARRY LINE

MOBICAT MC 160

The largest track-mounted mobile jaw crusher, the MOBICAT MC 160, carries a 77-ton single toggle jaw crusher whose crusher jaws together weigh approx. 15 tons.

Powered by a 422 hp (315 kW) electric motor, the plant has a crushing capacity of up to 1,000 t/h for hard stone (e.g. granite) and up to 1,500 t/h for limestone.

Feed sizes up to 55" x 44" (1,400 x 1,100 mm) are possible. In order to realize feed capacities like these, dump trucks are generally used for loading the MC 160.

An optional hopper with a volume capacity of 118 yd³ (90 m³) allows for two dump trucks each with 41 tons of loading capacity.

A solid apron feeder with a high-torque hydraulic drive continuously feeds the material onto the grizzly or an optionally available wobbler grizzly. The size and weight of the feeding unit means that mounting must take place on a separate chassis.

The MC 160 is loaded as standard using a large backhoe.

A solid apron feeder with a high-torque hydraulic drive continuously feeds the material onto the grizzly or an optionally available wobbler grizzly.



Full speed ahead.

The electric drives are powered, like all stone crushing plants in the MOBICAT series, by a generously dimensioned generator which is, in turn, powered by an 4.8 gallon (18-liter) diesel engine with close to 617 hp (460 kW).



The 400-ton MC 160 PRR version distributes its weight over two hydraulically operated crawler tracks, while the basic version of the MC 160 Z is fitted with just one. The MOBICAT MC 160 generates enough power to operate, for example, flexible downstream belt conveyor systems

Application range

soft to hard natural stone such as:
 > limestone, dolomite, granite, basalt, quartzite, etc.

MC 160 Z

TECHNICAL INFORMATION

Feed size: up to max.	55" x 44" (1,400 x 1,100 mm)
Crusher inlet opening:	63" x 49" (1,600 x 1,250 mm)
Feed capacity*:	up to 1,500 t/h
Measurements:	
Length:	85' 4" (26,000 mm)
Width:	12' 2" (3,700 mm)
Feeding height:	27' 7" (8,400 mm)
Weight: approx.	352,700 lbs (160,000 kg)

All information given is based on a standard design in operating position; subject to technical changes.

* depending on the type and consistency of the feed material, the primary screen selected, as well as the end product to be manufactured



The size and weight of the apron feeder used for the loading of the plant requires a separate chassis and crawler tracks.



Process knowledge: Interlinked plants are mobilizing stationary ones.

MC 140 Z / MCO 13 S / MCO 13 S / MS 20 D ■ KELLY'S OF FANTANE, CO. TIPPERARY, IRELAND

High performance from all angles.

In addition to standard plants, Kleemann develops and manufactures jaw crushers for demanding applications which require specific technical features. Based on existing modules, plants are designed for special high-demand applications such as extremely contaminated or difficult feed material. In applications with several crushing stages, for example, the preparation of concrete aggregates, mobile jaw crushers from the MOBICAT series are used as primary crushers.

With their effective pre-screening and sturdy design, hard and tough primary material is also prepared in such a way that a downstream crushing plant can be optimally loaded.



Combination of plants consisting of two cone crushers and two screen plants.



MOBICAT MC 140 Z in use for the first crushing stage.

» Why are interlinked mobile plants becoming more popular?

- > mining permits are under time constraints
- > better resale value and reusability
- > plants can also be used individually
- > ability to follow the face in stone quarries
- > saves on cost of personal and transport vehicles

» Requirements and expectations

- > thanks to modern technology, mobile plants can achieve final aggregate fractions which previously was possible only from stationary plants
- > production availability is on a par with stationary plants

» What are the potential areas of application?

- > in all quarries
- > also for small deposit
- > owner has several quarries
- > various operation sites

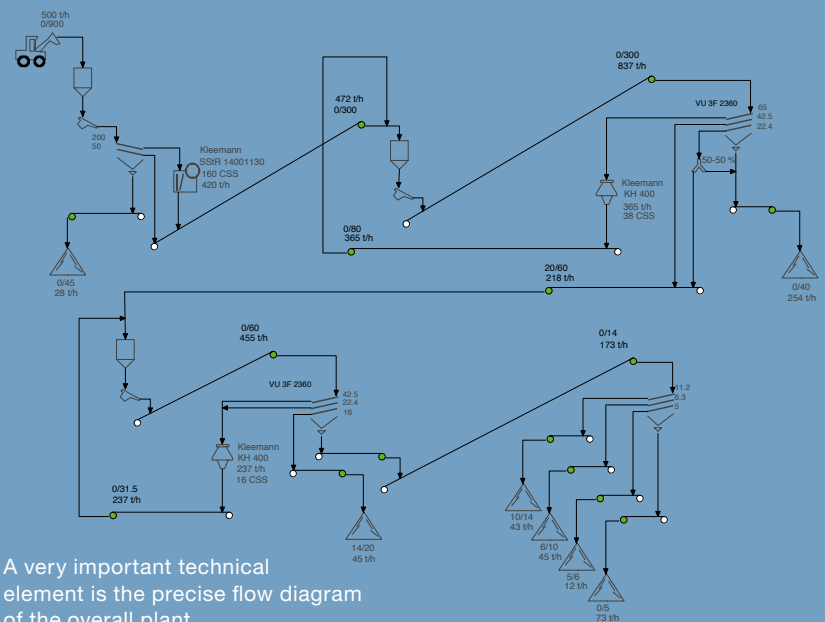
» What does Kleemann specifically offer?

- > long-term experience in both the mobile and stationary field
- > expertise in the processing of rock and stone
- > an entire crushing program and screen plants of all sizes

The multi-stage design of the mobile crusher and screen plants requires technological expertise.

Kleemann has the expertise necessary for the design and manufacture of complex mobile processing plants due to its experience already gained in stationary plant manufacturing.

The existence of all required modules means endless design possibilities, even for complex single plants and plant components.



A very important technical element is the precise flow diagram of the overall plant.



Two mobile cone crushers one after the other from the MOBICONE MCO 13 S.



MC 110 Z and MS 16 Z processing rubble.



Plant combination consisting of a jaw crusher (MC 120 Z), an impact crusher (MR 130 Z) and a screen plant (MS 19 Z).



Results to be proud of.

The uniquely matched components of a plant (feeder trough, grizzly, jaw crusher, vibrating feeder and screen unit), as well as the abilities of the machine operator, together lead to optimal results.

The crushing curves displayed on the graph provide information about the range of grain sizes achievable, which includes the target grain size. All curves have been created with the results from mobile jaw crushers from the MOBICAT series.

The physical characteristics which influence this curve are explained as follows:

Charged material

» Feed size

The maximum feed size should not exceed 80% of the given feed opening of the crusher if possible.

» Crushing strength

We recommend using the SStR for mineral materials with a maximum crushing strength of up to 250 N/mm².

» Type of mineral

Single toggle jaw crushers of the SStR series process all soft to hard natural stone such as limestone, dolomite, granite, basalt, diabase, quartzite or gneiss, as well as residual construction materials such as rubble, bricks and reinforced concrete.

Reduction ratio

The maximum reduction ratio (ratio of feed grain size / grain output) largely depends on the physical properties of the feed material. The following standard values emerge:

- > Soft to medium-hard rock, as well as rubble and concrete up to max. 7:1
- > Medium-hard to hard rock depending on crushing strength and robustness up to 5:1

Exceeding the reduction ratio leads to an undesirable decrease of the crushing capacity and to an increase of wear.



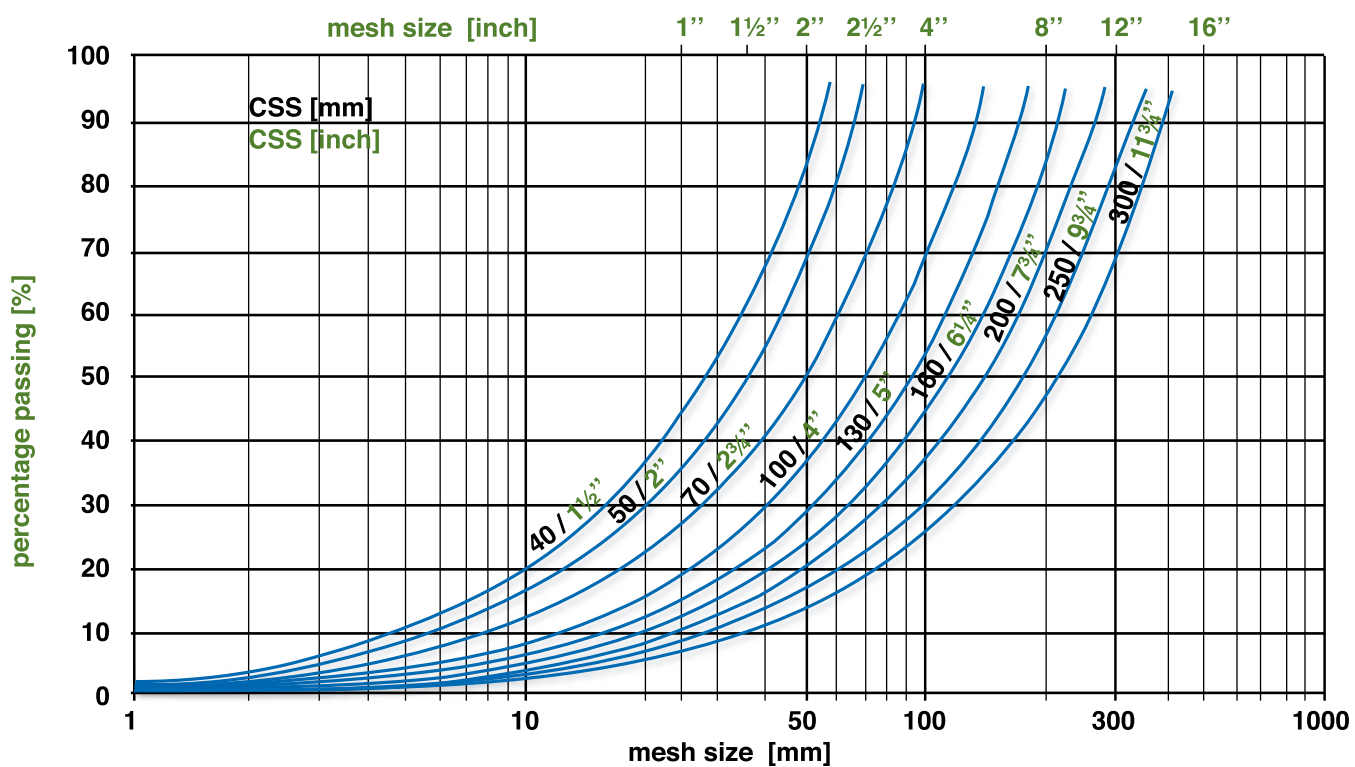
Vibration motors as feeder trough drive



Diesel-electric drive concept of Quarry Line.



Jaw crusher from SStR seriesW





WIRTGEN AMERICA

Kleemann

6030 Dana Way
Antioch, TN 37013 USA

Phone: (615) 501-0602

Fax: (615) 501-0692

E-Mail: kleemann@wirtgenamerica.com
www.wirtgenamerica.com