



Mobile stackers

MOBIBELT



A LONG TRADITION OF EXPERTISE

Powerful crushing and screening plants

For the past 100 years, Kleemann GmbH has been developing and manufacturing machines and plants for the natural stone and recycling industry.

High levels of performance and innovative details, easy handling and maximum safety for the operator - this is what KLEEMANN crushing and screening plants deliver.

Efficient on the construction site

The MOBIBELT mobile stackers are used for efficient logistics processes on building sites. They flexibly extend the operating range of crushing and screening plants - for larger stockpiles, improved construction logistics and exceptionally easy operation.

> Applications in natural stone > Applications in recycling

Over 100 years of
history and expertise

A WIRTGEN GROUP Company
internationally active and close to customers



With more than 200
subsidiaries and dealers worldwide

THE KLEEMANN PRODUCT PROGRAMME

MOBICAT
Mobile jaw crushers

MOBIREX
Mobile impact crushers

MOBICONE
Mobile cone crushers

MOBISCREEN
Mobile screening plants

MOBIBELT
Mobile stackers

HIGHLIGHTS OVERVIEW

Perfectly equipped



- > Short set-up times for rapid deployment
- > Large feed capacity for a high throughput
- > Hydraulically adjustable feed height
- > Hydraulically foldable conveyor belt head section
- > Reduced costs due to less wheel loader deployment
- > Increased safety on the construction site thanks to reduced wheel loader traffic
- > Low costs per ton

MBT 20

MBT 24

03

03

01

01

02

02



MOBIBELT MBT 20 / MOBIBELT MBT 24

01 Dual Power

> Dual Power (option) for either electro-hydraulic or diesel-hydraulic drive

02 Tracked, mobile running gear

> Hydraulically driven tracked, mobile running gear for easy relocation even in difficult terrain

03 Feed hopper

> Standard hopper can be extended to 2.5m³ incl. impact bar (option)

MOBIBELT MBW 15

04 Hydraulic or electric drive

> High flexibility through the choice of hydraulic or electric drive

05 Radial-swivel function

> Wheeled, mobile running gear with radial-swivel function for tipping onto kidney-shaped stockpiles

06 Wheeled, mobile running gear

> Wheeled, mobile running gear for easy relocation on the construction site



MBW 15

FLEXIBLE AND ROBUST

Quickly ready for operation, impressive in the application

The mobile MOBIBELT stackers stand out with their short set-up times, high feed capacities and very robust design.

The generously dimensioned feed hopper features a heavy-duty impact station (only MBT 20 and MBT 24) and optionally available wear protection, so that feed material with an edge length of up to 200 mm can be loaded without any problems (MBW 15: 150 mm).

Thanks to its adjustable feed height, the stackers can be used flexibly downstream of screening and crushing plants with different discharge heights. An optimum feed-height setting reduces the impact effect during material transfer from

upstream crushing or screening plants - and therefore lengthens the service life of the components. The stackers enable high discharge heights, which means that impressively high stockpiles can be created for higher flexibility on the construction site.



800/1,000 mm

Belt width MBW 15/MBT 20, MBT 24

6,300 mm

Discharge height MBW 15

8,700 mm

Discharge height MBT 20

10,500 mm

Discharge height MBT 24



Robust "lightweights"

Multiple bends and targeted reinforcement on the inside of the belt frame prevent distortion under high loads and therefore enable the achievement of impressive conveying capacities combined with a comparatively light weight and narrow belt frame structure. The deflection roller with a rod drum design prevents the build-up of moist or sticky material on the roller and related damage to the belt.

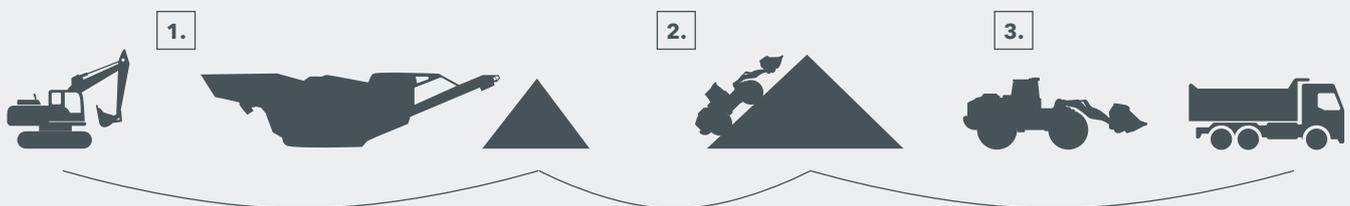
The mobile stackers are relatively light, easy to transport and therefore quickly ready for deployment – for maximum flexibility on the construction site.

KLEEMANN > PROCESS KNOWLEDGE



Focus on economy

The cost-effectiveness of mobile stackers is obvious: less material movement, lower acquisition and operating costs, reduced maintenance requirements in comparison to a wheel loader – and a lot more.



Application without a stacker



Application with a stacker

OPTIMISED LOGISTICS ON THE CONSTRUCTION SITE

Top technology for maximum flexibility

Reduced costs, increased safety

The use of stackers allows a significant reduction in material movement with the wheel loader. This lowers costs and increases safety on the construction site. The less traffic there is on a construction site, the fewer the risks of danger.

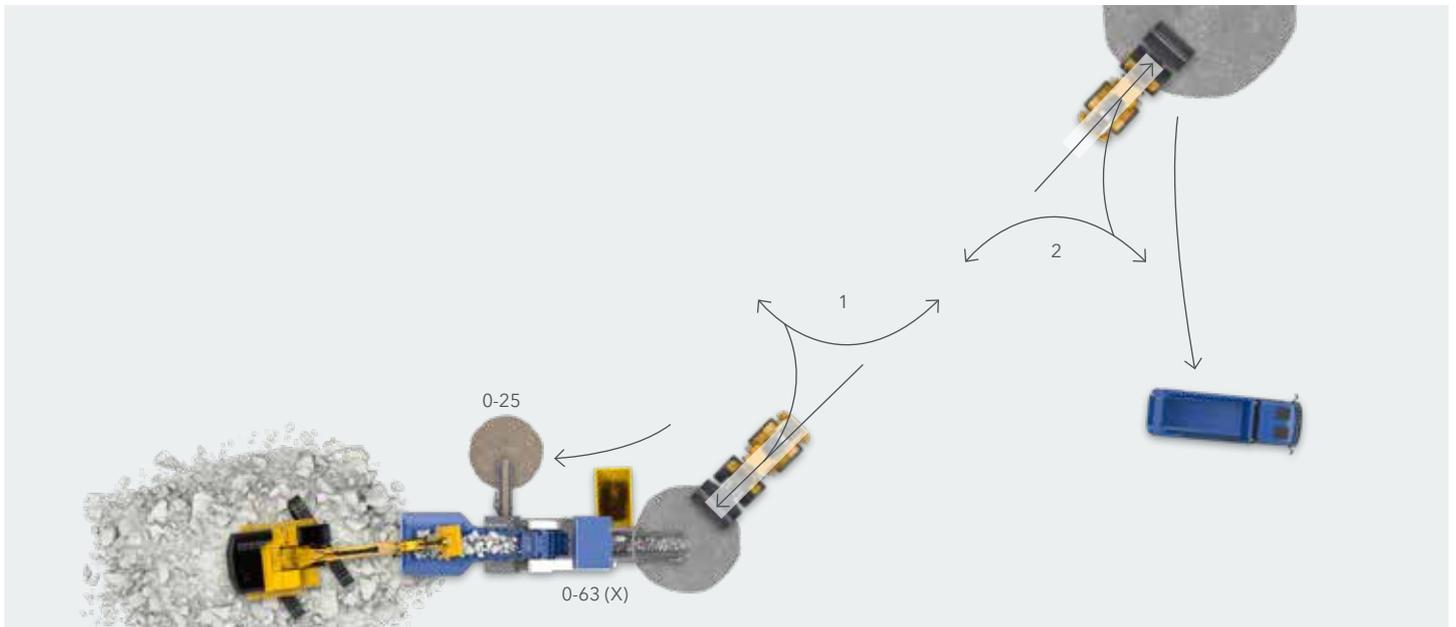
Overcoming obstacles

The mobile stackers can be used flexibly to overcome large height differences and obstacles. Crushing that therefore take place on site and material transport to the next crushing or screening stage, or for tipping onto the stockpile, can be executed easily via stackers.

Applications with sensitive materials

When processing sensitive material, such as pumice, experience has shown that the use of stackers is not only more economical, it is also easier on the material. To retain the high product quality, after the screening process the pumice stone is usually conveyed directly via a stacker onto the final stockpile.

Tipping with a wheel loader would cause unnecessary damage to the material.



Construction site logistics - without a stacker

- > Discharge height of MC 110 EVO crusher discharge conveyor: 3,270 mm – max. 3,170 mm stockpile height
- > With a crushing capacity of 170 t/h: arithmetically, the stockpile must be cleared approx. every 40 minutes
- > Depending on the distance to the main stockpiles, the wheel loader operator only has a little time to load the lorry, which can lead to wait times. The high operating costs of the wheel loader, above all, must be taken into account here. The frequent use of a wheel loader in this area of the work site limits the possibility of using the same vehicle for other tasks and may require the acquisition of an additional wheel loader including driver.
- > If the wheel loader driver, in addition to his regular tasks, also has to load the crushing plant instead of the excavator shown in the illustration, this task can only be mastered to a limited extent: the crushing plant is frequently at a standstill and the plant performance is therefore reduced.



Construction site logistics - with a stacker

- > Discharge height of the MOBIBELT MBT 24: 10,670 mm - max. 9,000 mm stockpile height
- > With a crushing capacity of 170 t/h: stockpile must be cleared after approx. 11 hours
- > The driver of the wheel loader has sufficient time to load the lorry. Inefficient wait times are avoided.
- > The wheel loader can be used in other areas of the work site during tipping onto the stockpile.

Conclusion: The operating costs of a stacker are considerably lower than those of a wheel loader, and the conveying capacity is usually higher - without the stacker having to be constantly monitored by the operator. The optimum use of a stacker significantly increases efficiency and reduces costs with every saved wheel loader operating hour.

YOUR WIRTGEN GROUP SERVICE

For your KLEEMANN crushing plant

Reduced downtimes, minimal wear costs, maximum customer proximity.



Service network

Our local contact partners provide you with comprehensive support for all applications and questions related to our products. Thanks to our closely-knit, global WIRTGEN GROUP network, we guarantee short response 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 at www.partsandmore.net



TECHNICAL DATA AT A GLANCE

MBT 20 / MBT 24 / MBW 15

TECHNICAL DATA



MBT 20

- > Feed capacity up to approx.: 450 t/h¹⁾
-
- > Discharge height: 8,700 mm
-
- > Belt length: 20,000 mm
-
- > Weight: 10,500 kg*

TECHNICAL DATA



MBT 24

- > Aufgabeleistung bis ca.: 450 t/h¹⁾
-
- > Discharge height: 10,500 mm
-
- > Belt length: 24,000 mm
-
- > Weight: 13,000 kg*

TECHNICAL DATA



MBW 15

- > Feed capacity up to approx.: 350 t/h¹⁾ / 150 t/h²⁾
-
- > Discharge height: 6,300 mm
-
- > Belt length: 15,000 mm
-
- > Weight: 4,500 kg*

¹⁾ with hydraulic drive ²⁾ with electric drive

* Minimum weight without options, exact weight specifications upon request

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