

A WIRTGEN GROUP COMPANY



**KLEEMANN**



# MR 130i PRO

MOBILE IMPACT CRUSHERS MOBIREX



# MOBIREX MR 130i PRO

The MR 130i PRO impact crusher covers a very wide application range in natural stone and recycling. With its heavy rotor and powerful electric 335 hp drive, the crushing unit guarantees very high and stable throughput. Continuous crusher utilization is ensured thanks to the Continuous Feed System (CFS).



Focus on power



Precision in the foreground



An eye on sustainability



# MOBIREX MR 130(i) PRO



Crusher discharge conveyor  
Discharge height 14' 5",  
fine grain conveyor  
discharge height 12' 6"

Post screening unit  
5' 1" x 18' 1" upper deck,  
5' 1" x 15' 5" lower deck

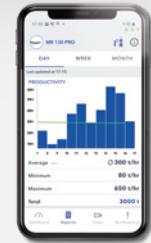
3.5 yd<sup>2</sup> open screening  
surface

Basic hopper 6.5 yd<sup>3</sup>,  
Extension + 11.8 yd<sup>3</sup>

+ Option



Medium grain conveyor  
Discharge height 26" x 22' 4"



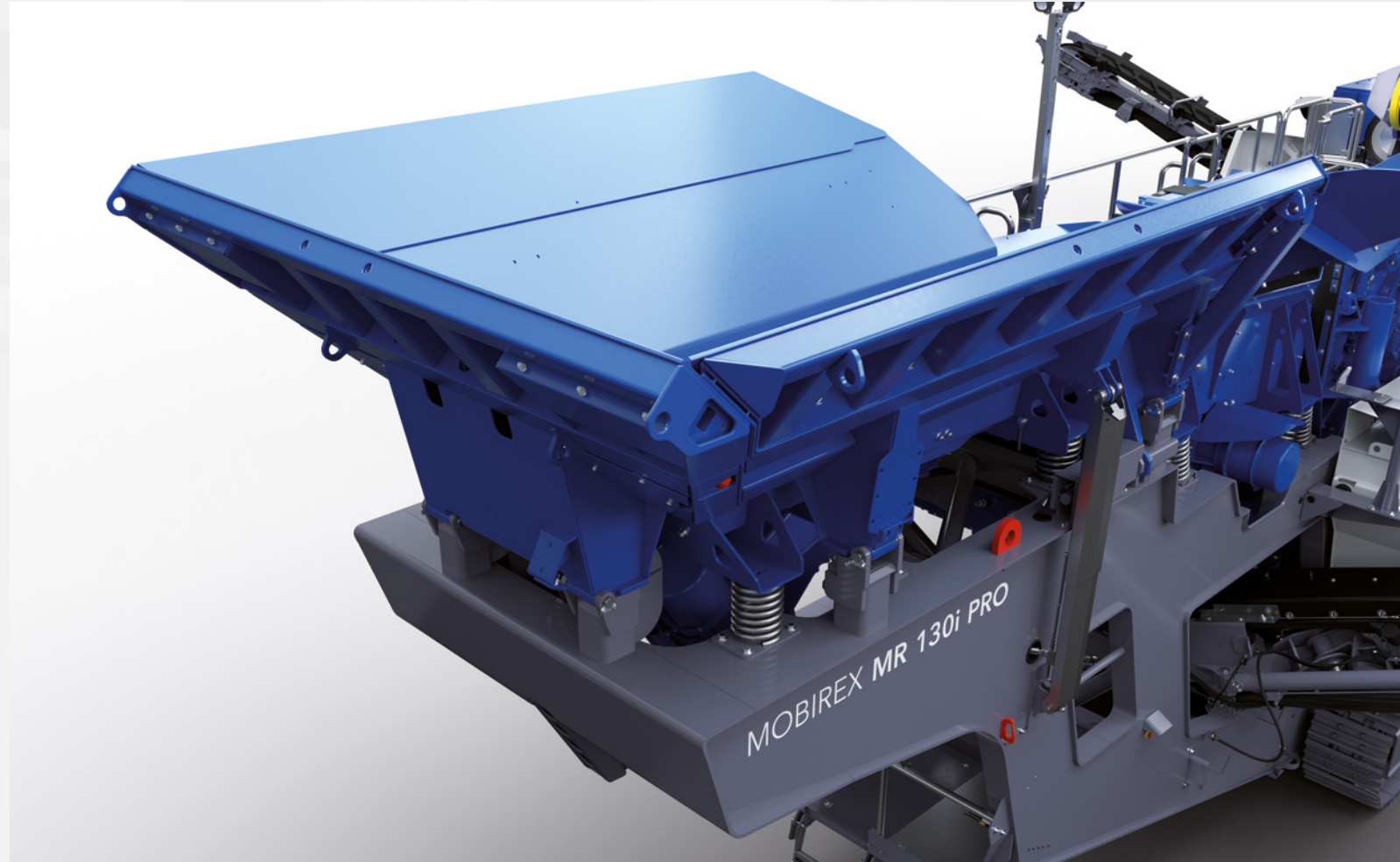
SPECTIVE  
CONNECT

1 Feeding unit	4 Crusher unit	7 Magnetic separator
2 Prescreen	5 SPECTIVE control system	8 Post screening unit
3 Continuous Feed System CFS	6 Drive	> Handling and sustainability



## 1 Feeding unit

- > Generously dimensioned basic hopper
- > Hydraulically foldable and lockable - for quicker set-up from the ground via radio remote control
- > Hopper extension<sup>+</sup> increases the feed volume and ensures a continuous feed
- > Hopper filling aid<sup>+</sup> for feeding via wheel loader from behind, filling width approx. 9' 10"



<sup>+</sup> Option

1 Feeding unit

2 Prescreen

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> Handling and sustainability



## 2 Prescreen

- > Independently vibrating prescreen for effective screening of fines
- > Co-vibrating bypass flap<sup>+</sup> for fast change-over of the material flow of the prescreen material without installation of a dummy cover in the lower deck
- > Optimized screen surfaces (increased screening surface with slotted grate) ensure a higher screening performance and reduced cleaning requirements
- > Side discharge conveyor can be used on both sides, rigid or hydraulically foldable

<sup>+</sup> Option



1 Feeding unit

2 Prescreen

3 Continuous Feed System CFS

4 Crusher unit

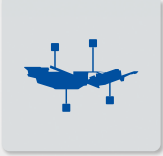
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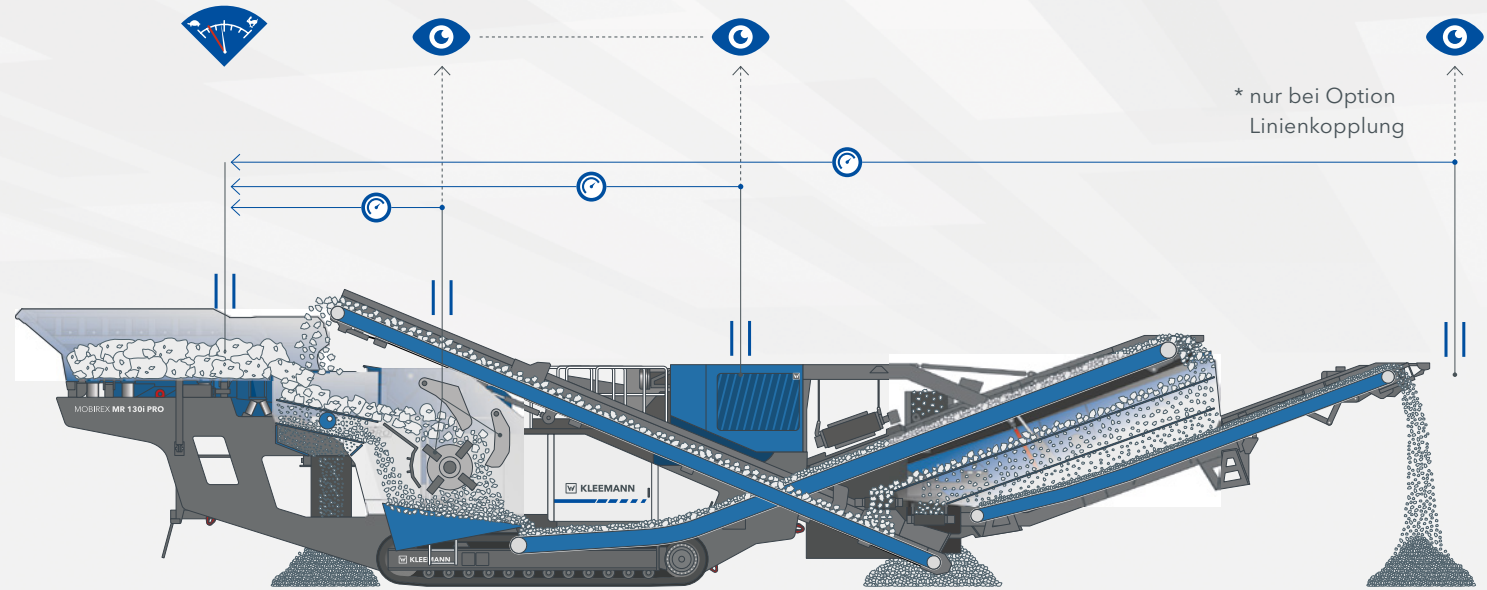
8 Post screening unit

> Handling and sustainability



### 3 Continuous Feed System CFS

- > Continuous crusher load through the intelligent CFS feed control:
  - > Measurement of crusher load and engine load
  - > Vibrating feeder and prescreen are controlled according to the load status
  - > After an overload, material transport is continued immediately
- > Fewer interruptions to production - up 10 % more daily output
- > Less burden is placed on the downstream components, wear is also reduced and the share of oversize grain is also minimized



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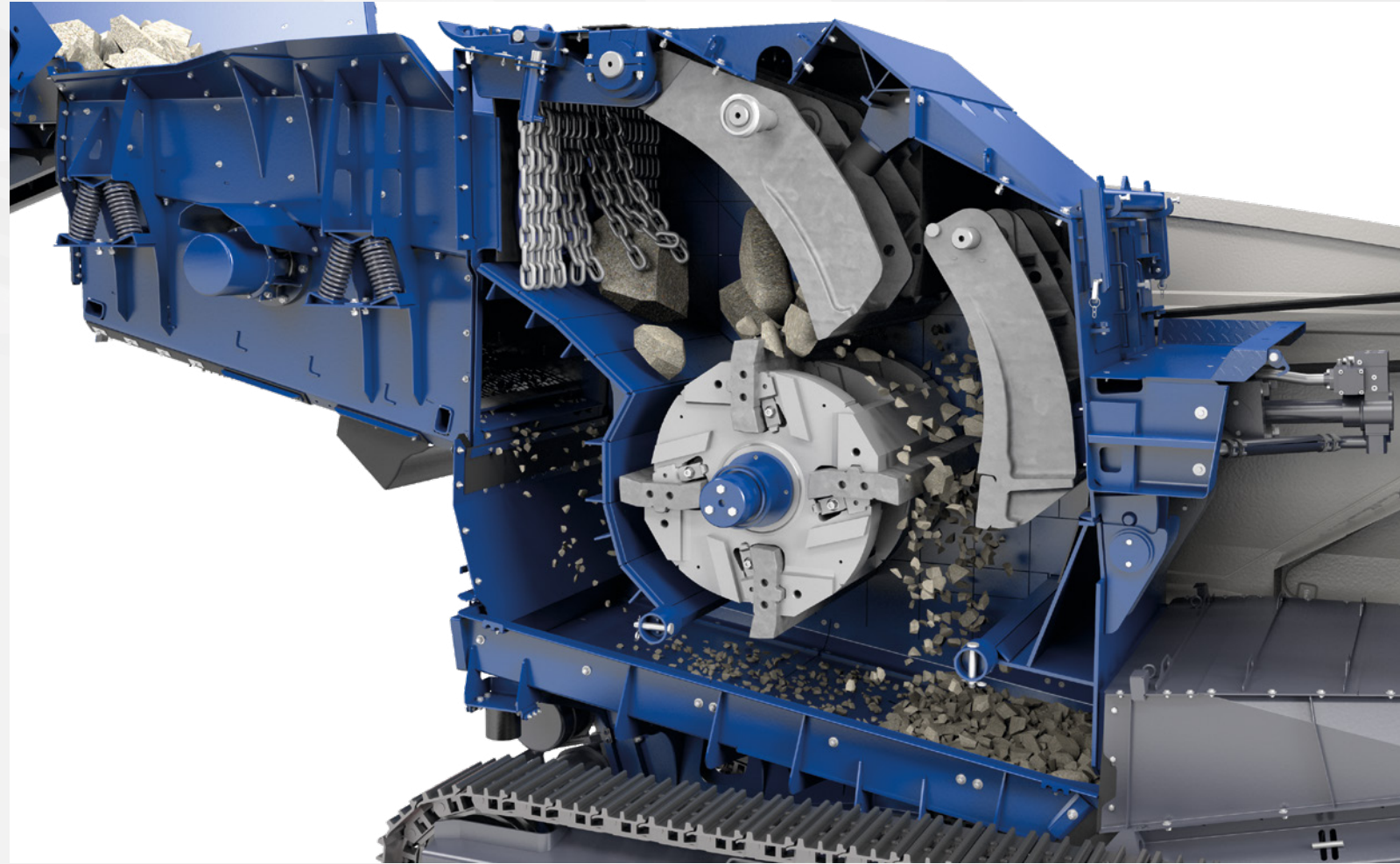


## 4 Crusher unit

- > Powerful electric (335 hp) crusher drive
- > High continuous throughput of the impact crusher for a wide range of applications in natural stone and recycling

### Fully hydraulic gap adjustment and overload system

- > Automatic zero-point determination for precise gap setting via touch panel
- > The effective overload function opens the lower impact toggle in the event of uncrushable elements and then moves back automatically to the preset position
- > In the event that uncrushable components are too large, a pressure plate is provided as a last resort to protect the crusher



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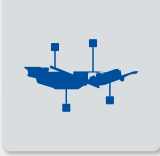
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## 5 SPECTIVE control system

- > **SPECTIVE touch panel:** all components and function can be controlled via touch panel
- > **SPECTIVE CONNECT:** all important information can be directly accessed on a smartphone; higher productivity as a result of fewer interruptions to the production process
- > **SPECTIVE radio remote control:** for operating all important components from a safe distance, ensuring increased work safety
- > **SPECTIVE radio remote control, small<sup>+</sup>:** the most important operating functions are conveniently combined, minimum space requirements in the operator cabin
- > **Quick Track<sup>+</sup>:** for fast and simple movement of the machine while it is operational - allows work to be completed faster since the system does not need to be shut down when it is moved; conveniently operated via radio remote control
- > **Camera system<sup>+</sup>:** convenient monitoring of the material flow, remote monitor in the excavator, additional connection to SPECTIVE CONNECT
- > **Line coupling<sup>+</sup>:** process coupling for control of the production output; safety coupling for safe interlinking of plants in the line train
- > **Belt scale<sup>+</sup>:** for all relevant conveyors for determining production data



+ Option

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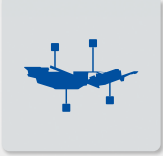
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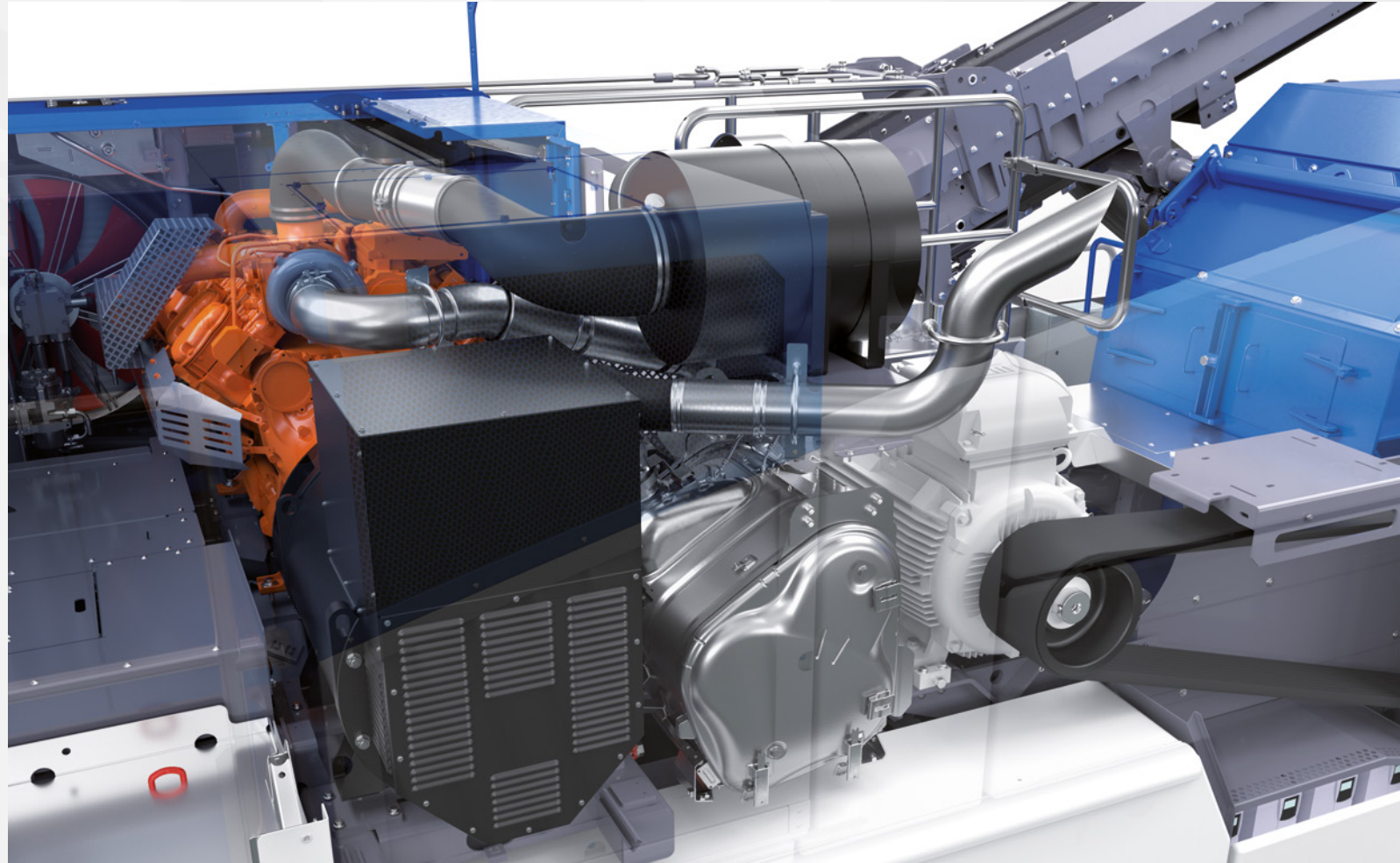
## 6 Drive

- > E-DRIVE diesel-electric drive, all drives are electric with the exception of the traction drive and auxiliary functions
- > Local emission-free operation possible through external power supply (eligible for funding, depending on the country) for increased sustainability
- > Power-dependent fan for lower noise emissions and reduced consumption
- > Ease of physical and visual access to all components relevant to maintenance
- > Raised air intake<sup>+</sup> for longer filter service lives



KLEEMANN SUSTAINABILITY describes innovative technologies and solutions which are consistent with the sustainability objectives of the WIRTGEN GROUP.

<sup>+</sup> Option



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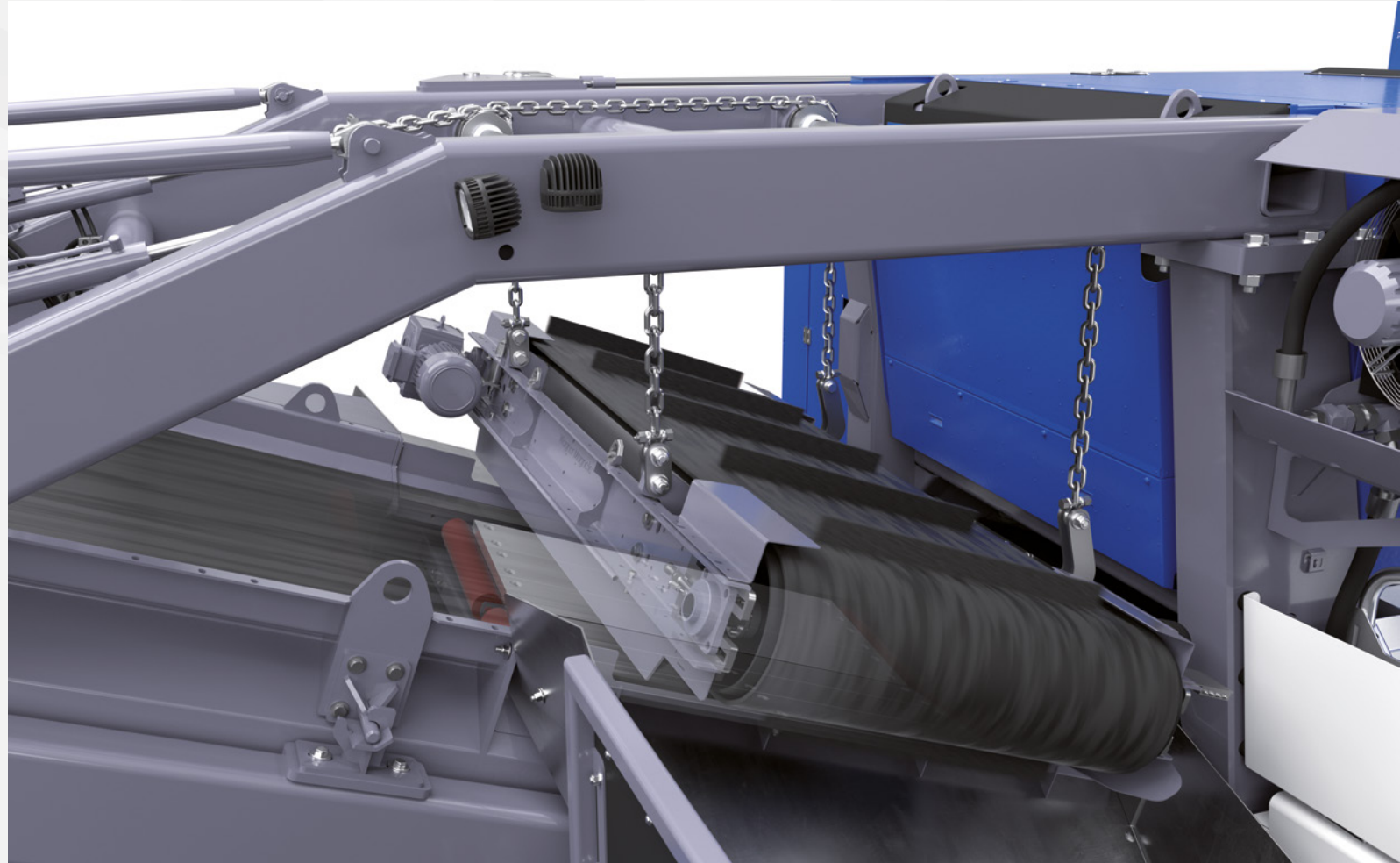
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## 7 Magnetic separator

- > Efficient permanent<sup>+</sup> or electromagnetic<sup>+</sup> for increased final product quality
- > Can be flexibly attached on chains and individually adjusted in transverse and longitudinal inclination
- > Can be hydraulically raised and lowered for quick response to material congestion
- > Sliding bars in the area below the magnet prevent the crusher discharge conveyor from being pierced by jammed metal parts



<sup>+</sup> Option

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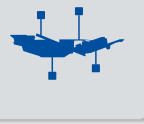
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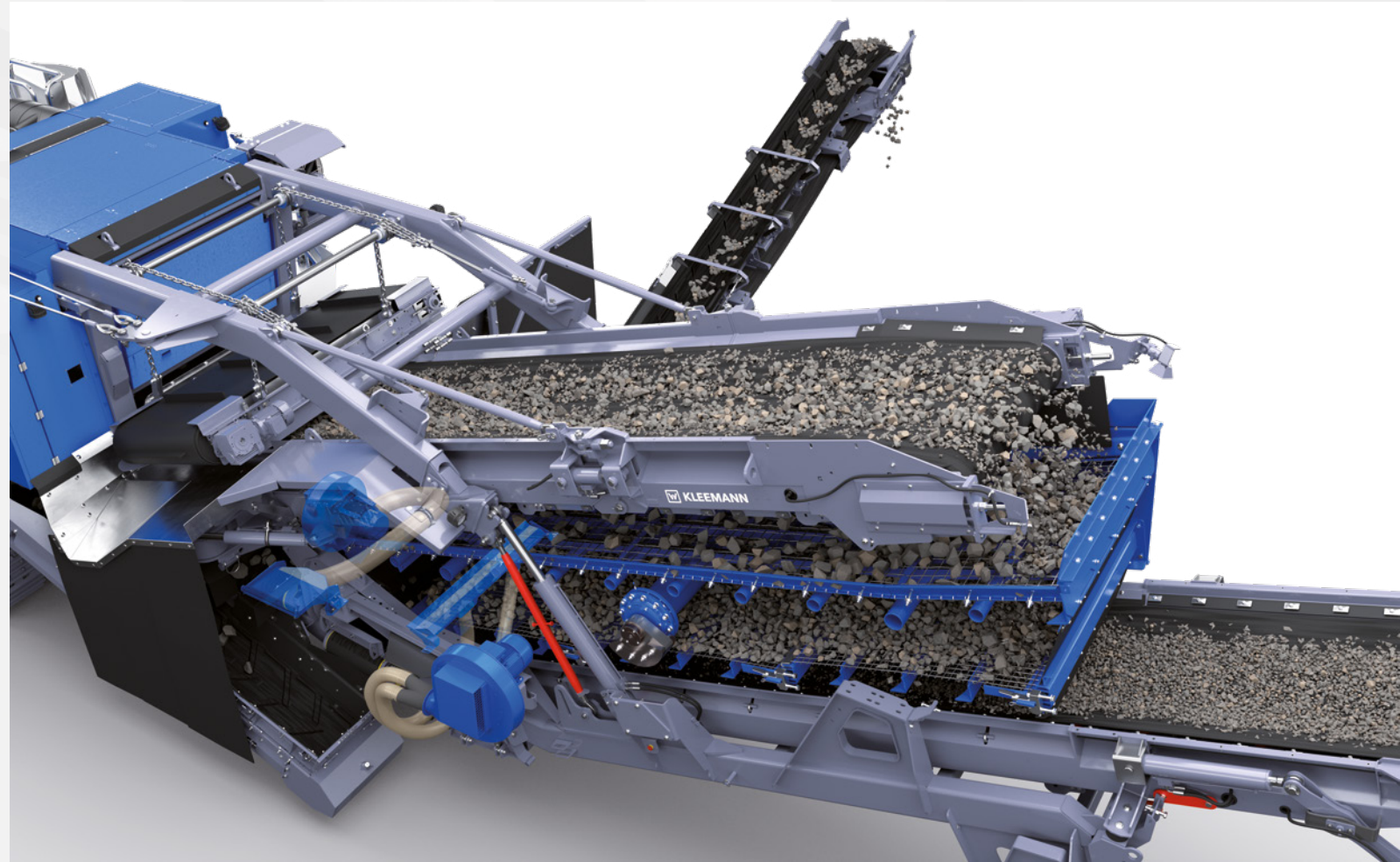
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## 8 Post screening unit

- > Large double-deck post screening unit<sup>+</sup>
  - > 5' 1" x 18' 1" screening surface upper deck,
  - 5' 1" x 15' 5" screening surface lower deck
  - > For use as a single-deck or double-deck screen
  - > For producing two classified final grain sizes
- > Wide oversize grain returning system ensures better material flow in the event of a high proportion of light-weight material
- > Medium grain conveyor can be reversed, discharge onto stockpile or oversize grain return conveyor, high production output even when fine feed material is used
- > Two wind sifters<sup>+</sup> for effective cleaning of the oversize grain and medium grain, resulting in improved final product quality

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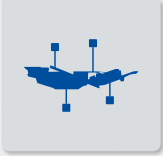
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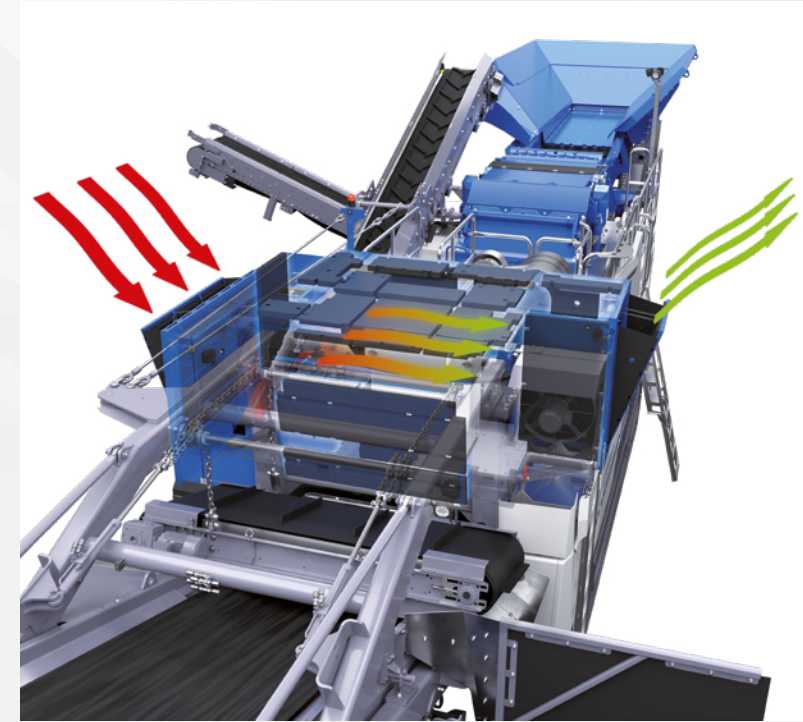


## > Safety and ergonomics

- > Quick and convenient servicing thanks to easy physical and visual access to all components
- > The „Lock & Turn“ rotor safety system ensures maximum operating safety when changing rotor ledges and removing material blockages
- > LED lighting included in basic plant; Premium lighting<sup>+</sup> for extended illumination of work areas
- > Central drain point for fluids for ergonomic maintenance
- > Lower ground pressure thanks to wide crawler carrier chains, flexible use on poorly prepared ground

## > Environment

- > Thanks to the electric drive, hydraulic oil is only required for setting and set-up functions, which reduces the environmental risk and maintenance costs
- > Reduction of dust to protect the operator and the environment
  - > Spray system at all relevant points, can be cut in and out individually
  - > Belt covers<sup>+</sup> for rigid side discharge conveyor, fine grain discharge conveyor and crusher discharge conveyor
- > Solutions for noise reduction<sup>+</sup>: insulation of the noise sources by an ergonomic power pack housing, reduction of noise by sealing the open power pack base



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TECHNICAL INFORMATION

MR 130i PRO

Feed capacity up to approx. (US t/h)	661
Max. feed size (inch)	41" x 26"
Hopper volume (with extension) (yd <sup>3</sup> )	6.5 (11.8)
Drive concept	diesel-electric
Diesel engine drive power (hp)	641
Transport height (inch)	12' 10"
Transport length (with post screening unit) (inch)	68' 9" (76' 4")
Transport width (inch)	11' 4"
Transport weight post screening unit (lbs)	28,670
Transport weight of basic plant - max. configuration (lbs)	141,150 - 183,000



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