

A WIRTGEN GROUP COMPANY



KLEEMANN



MC 110i EVO2

MOBILE JAW CRUSHER MOBICAT



MOBICAT MC 110i EVO2

The cost-effective use of crushing and screening plants hinges on many factors. Whether costs per ton, efficient operation or optimal building site logistics - the MOBICAT MC 110i EVO2 jaw crusher excels when it comes to cost-effectiveness.



A focus on cost-effectiveness



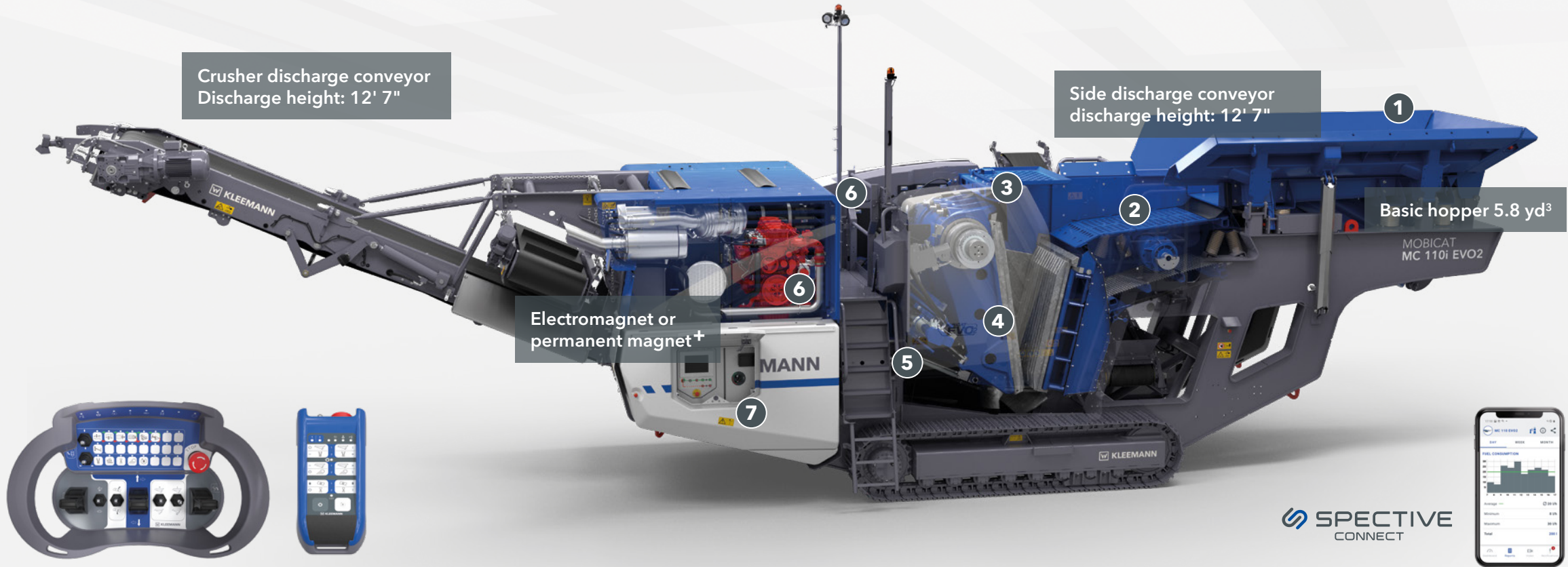
Operability in the foreground



An eye on sustainability



MOBICAT MC 110i EVO2



1 Feeding unit

4 Crusher unit

7 SPECTIVE operating concept

2 Prescreen

5 Overload systems

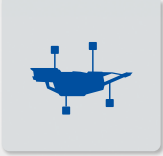
> Handling and sustainability

3 Continuous Feed System CFS

6 Drive

SPECTIVE CONNECT





1 Feeding unit

- > Feeding unit can be folded and locked via radio, no additional tasks required
- > Hopper filling aid⁺ and hopper extension⁺ (10 yd³) enables a rear-side loading width of up to 11' 6"



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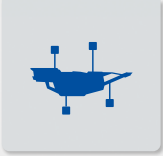
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2 Prescreen

- > Independent vibrating double-deck prescreen ensures effective screening of the fines in the feed material
- > Bypass flap integrated in the prescreen diverts the material stream and reduces the amount of sticking material
- > Side discharge conveyor can be used on both sides



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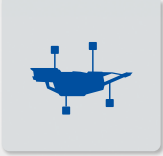
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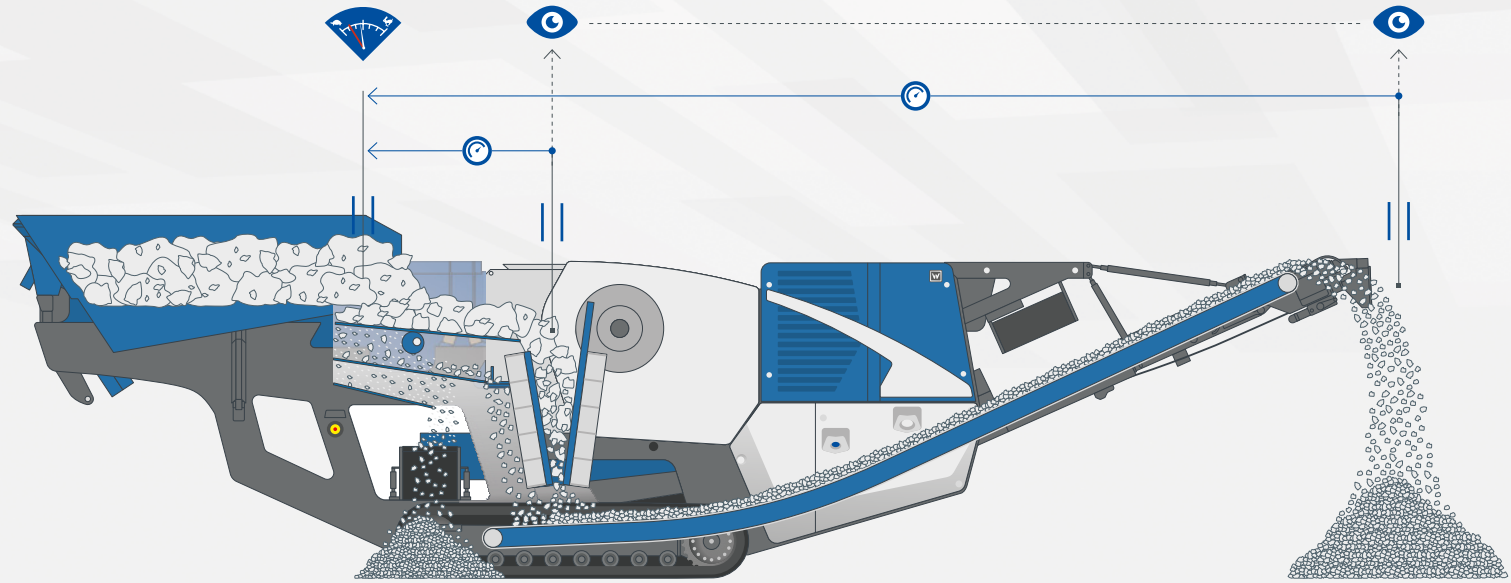
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3 Continuous Feed System CFS

- > Continuous crusher utilization thanks to optimum feed control - for a daily output that is up to 10% higher
- > Vibrating feeder and prescreen throttle increase the conveying speed automatically depending on the crusher's fill level



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4 Crusher unit

- > Extra-long crusher jaw: for optimum material intake into the crushing chamber
- > Fully hydraulic gap-setting: over the complete adjustment range, convenient via touch panel or radio
- > Crusher unblocking system⁺: crusher reversible for loosening blocked material and powerful starting even when the crusher is full
- > Deflector plate: at the crusher outlet to protect the discharge conveyor, adjustable in two positions, with replaceable wear elements⁺



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5 Overload systems

Overload system

With short-term overload at selected points (e.g. metal in the feed material)

Gap opening via adjustment range:

- > crusher detects overload automatically and opens the crushing gap - to prevent damage to the crusher

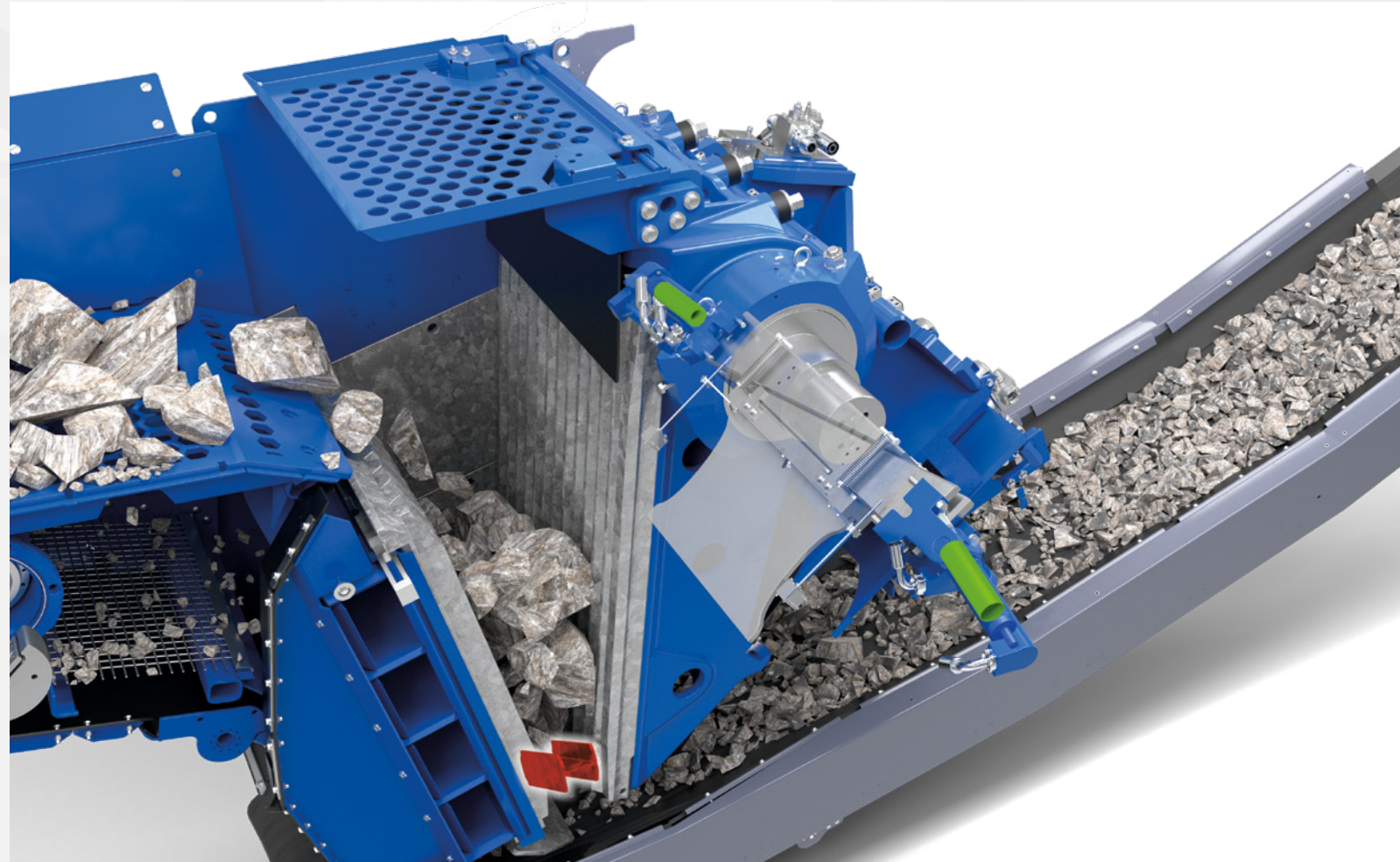
Active overload system ⁺:

- > even faster response to overload for preventing damage to the crusher
- > Automatic repositioning of the crushing gap - for constant product quality

Load reduction system

For preventing consequential damage during long periods of operation under extraordinarily high forces

- > Feed quantity is adjusted and therefore the forces on housing and rocker are reduced
- > When the overload is reduced, the system adapts to the highest possible output



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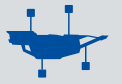
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6 Drive

- > Efficient, powerful D-DRIVE crusher direct drive with low fuel consumption, conveyors are driven electrically
- > Power-dependent fan for lower noise emissions and reduced consumption
- > Heat package⁺ (5 to 122°F) or cold package⁺ (-13 to 104°F)



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



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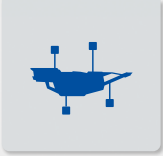
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7 SPECTIVE operating concept

- > **SPECTIVE touch panel:** with menu-guided operation, visualization and support; status display of all components such as speed, temperature, etc., rapid fault localization and diagnostics
- > **SPECTIVE CONNECT:** for displaying all important information directly on the smartphone
- > **Smart Job Configurator:** configuration tool for simple determination of the optimal machine settings
- > **SPECTIVE radio remote control:** for operation of all important components
- > **SPECTIVE radio remote control, small⁺:** the most important operating functions conveniently combined, minimum space requirements in the operator cabin
- > **Camera system⁺:** for convenient monitoring of crusher and hopper, remote monitor in the excavator also available with radio extension, additional connection to SPECTIVE CONNECT
- > **Operations center:** platform for digital solutions for process and service optimization as well as easier maintenance planning
- > **Quick Track⁺:** rapid and simple relocation of the machine; convenient operation via radio remote control
- > **Line coupling:** process coupling for controlling the production output; safety coupling for reliable inter-linking of the plants in the plant train
- > **Belt scale⁺:** for crusher discharge conveyor to determine production data



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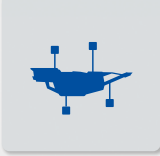
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> Accessibility and safety

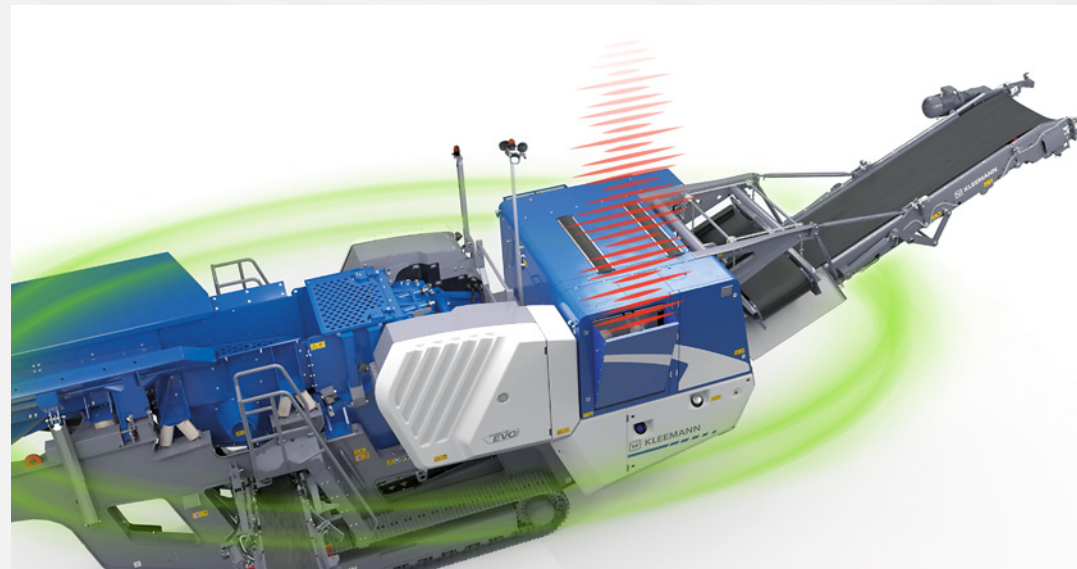
- > Ease of physical and visual access to all components enables fast, convenient servicing
- > Simple refuelling from the ground, refuelling pump⁺ available
- > Spray system and LED lighting included in the basic plant; premium lighting⁺ for extended illumination of working areas
- > Central drain point for fluids for ergonomic maintenance

> Transport

- > High flexibility for changing work locations, short set-up times
- > Compact design - for applications in tight building sites (e.g. town centers)
- > Simple transport thanks to hydraulic functions (e.g. side discharge conveyor, crusher discharge conveyor) and a transport height of 11' 2"

> Environment

- > Noise reduction: Insulation of the noise sources through power pack housing, reduction of noise by 7 compared to the predecessor model
- > Dust containment: effective spray system at different material transfer points of the plant, e.g. crusher inlet, crusher discharge conveyor, side discharge conveyor
- > Reduced consumption in shorter breaks thanks to ECO mode: all machine components - with the exception of the diesel engine and crusher - can be switched off at the push of a button



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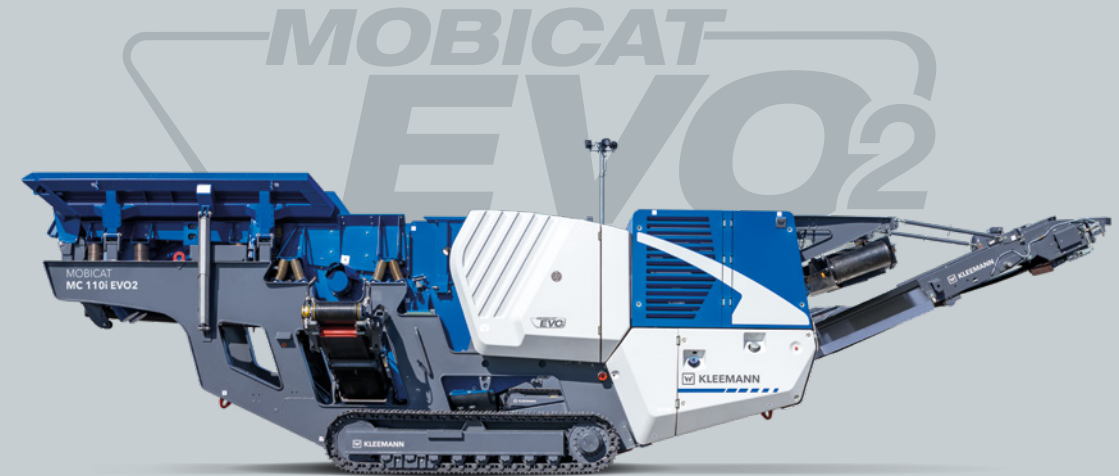
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TECHNICAL INFORMATION

MC 110i EVO2

Feed capacity up to approx. (US t/h)	441
Crusher inlet width x depth (inch)	44" x 28"
Max. feed size (inch)	39 x 24
Transport height approx. (inch) *	11' 2"
Transport length approx. (inch) *	49' 3"
Transport width approx. (inch) *	9' 10"
Transport weight of basic plant - max. configuration (lbs)	99,300 - 106,350
* without options	



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