


STRIKER
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Mobile Crushing & Screening

HQR910

Features & Benefits









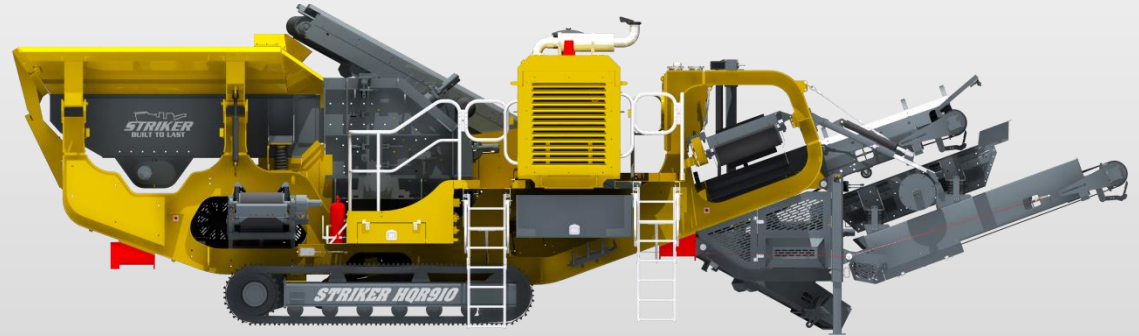
(SP02SI588-2000)

Tracked Impact Crusher HQR910



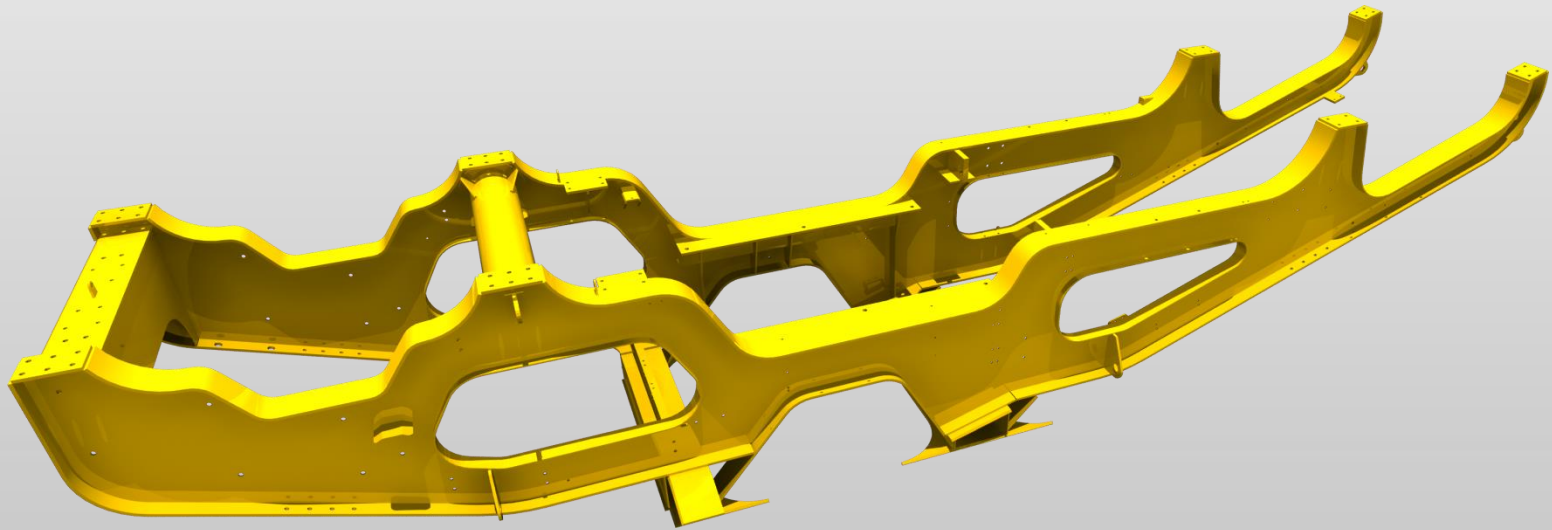
Transport Dimensions

HQR910	
Operating Dimensions:	
	13096mm 43'
	5046mm 16' 7"
	3718mm 12' 2"
Transport Dimensions:	
	13109mm 43'
	3500mm 11' 6"
	3562mm 11' 8"
Weight (T):	34.4T
Weight (lbs):	75,839lbs

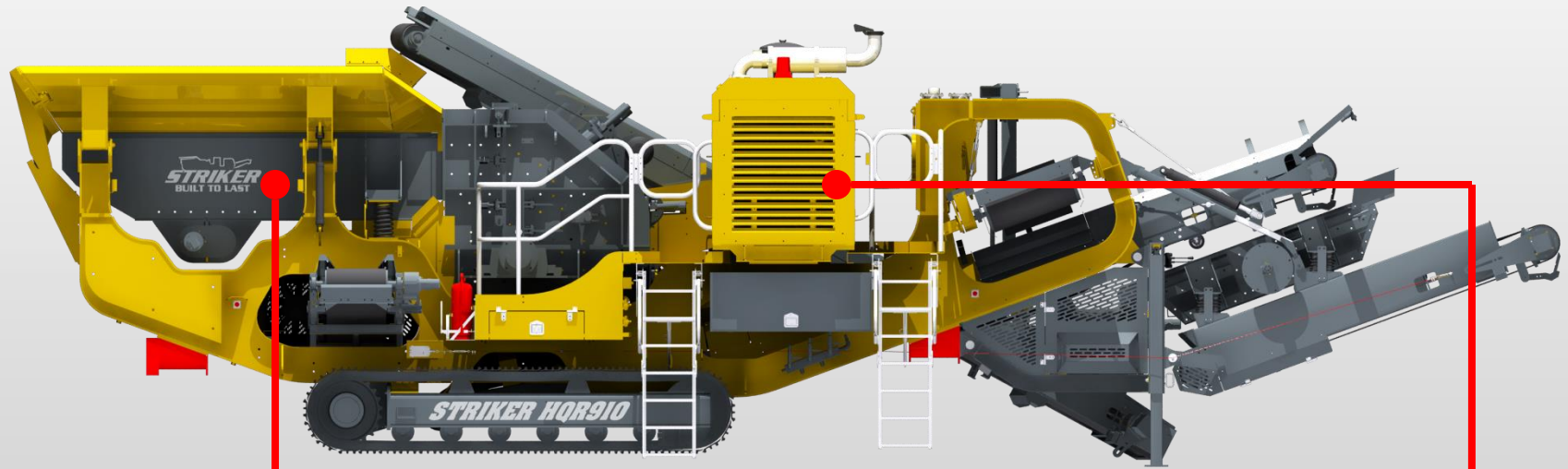


Chassis

Extra heavy duty body – welded robust steel chassis



Standard Paint (RAL)



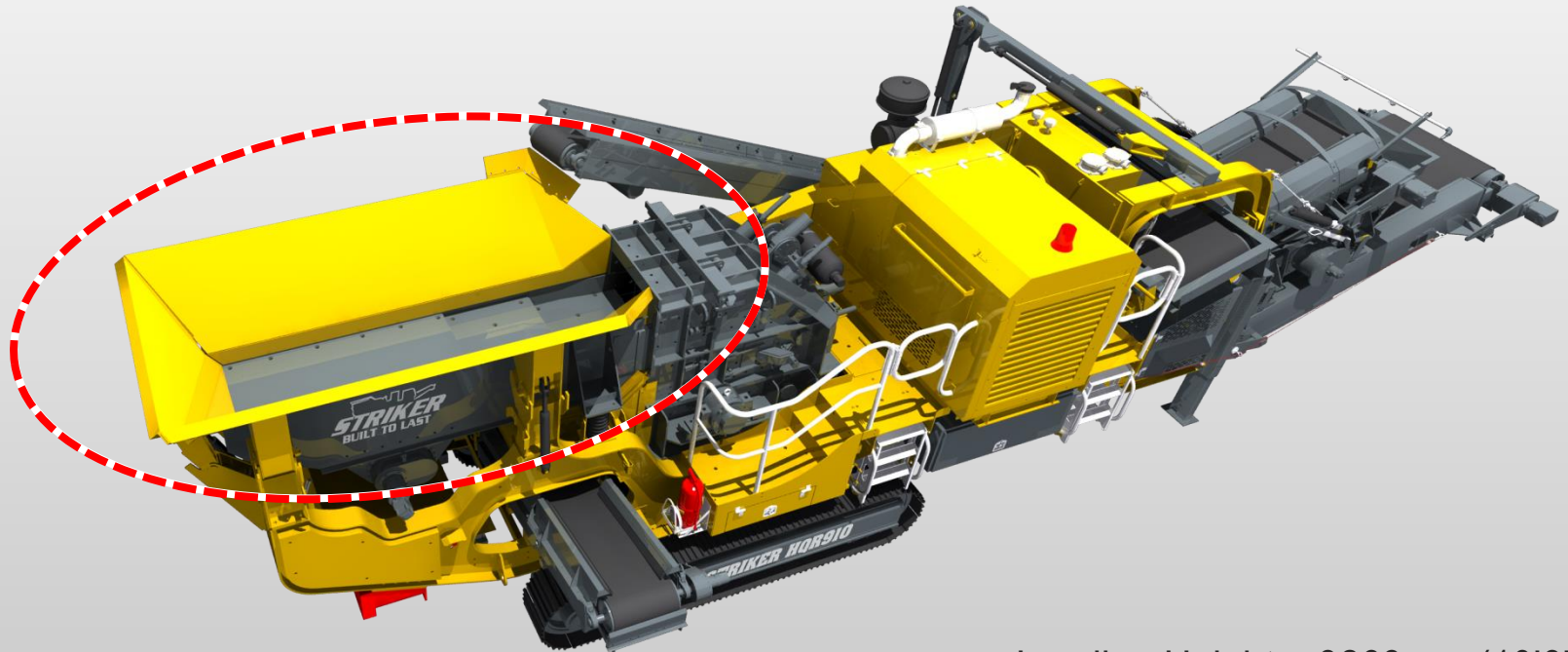
RAL1007



RAL7012



Feed Hopper

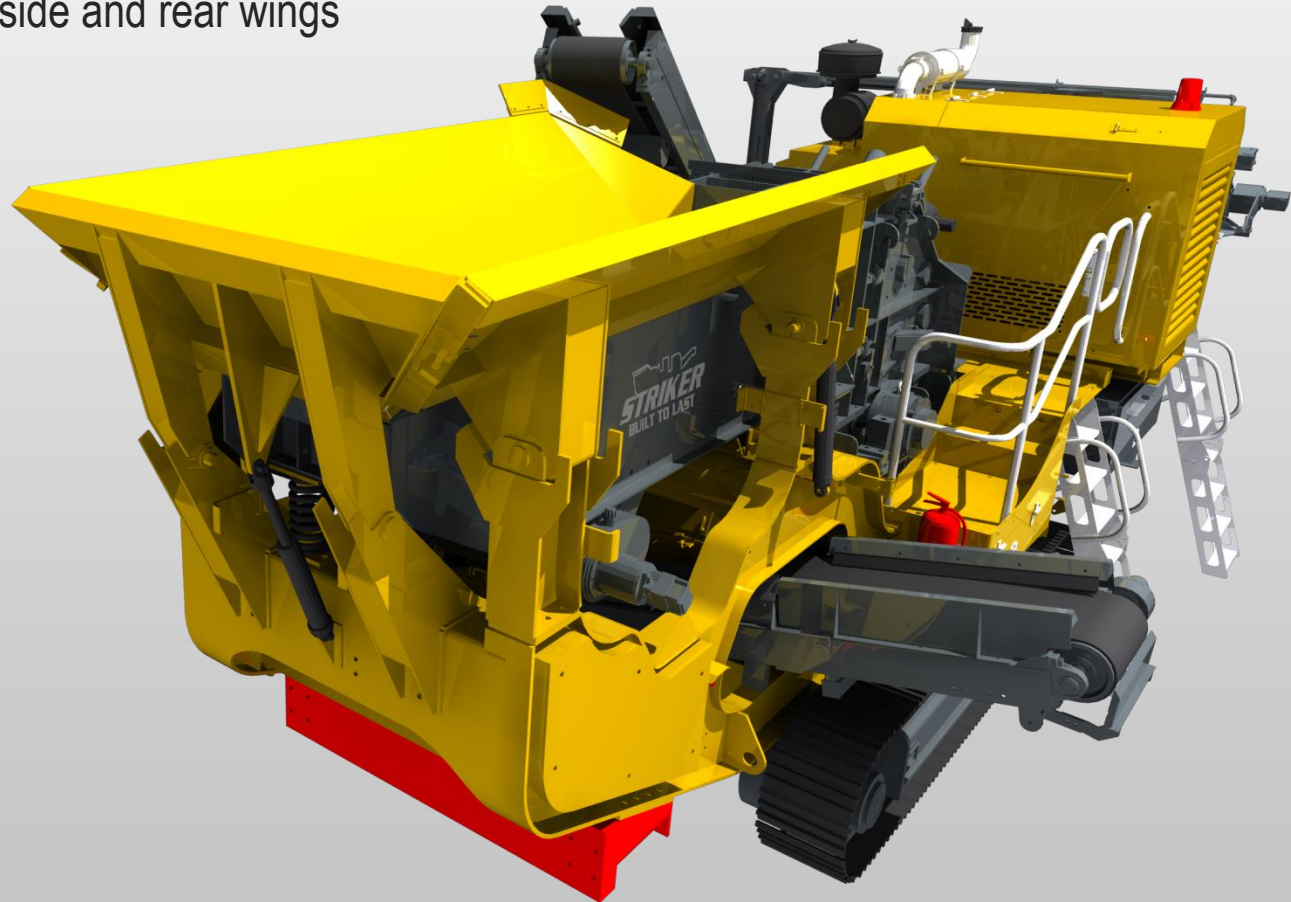


Loading Height – 3263mm (10'8")

Feed Hopper Capacity – 4.0m³ (5.0yd³)

Feed Hopper Wings

- Heavy duty wear resistant steel feed hopper construction
- Hydraulically operated folding side and rear wings
- Reinforced box section webs
- Rapid set up time



Feed Hopper Pins

Unique hydraulic locating and locking system

Increased safety feature

Removes the need to climb on the plant

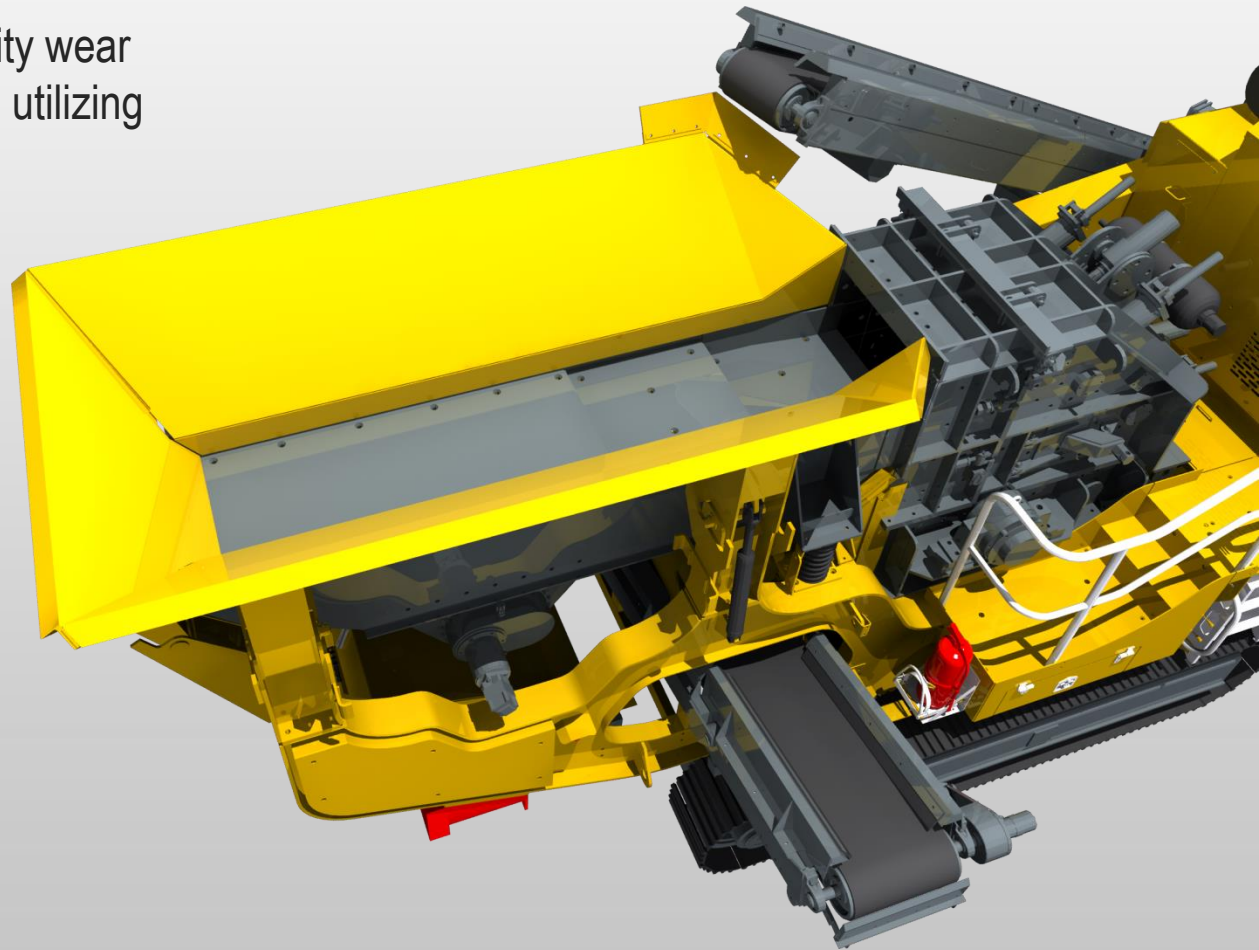


Feeder Liners

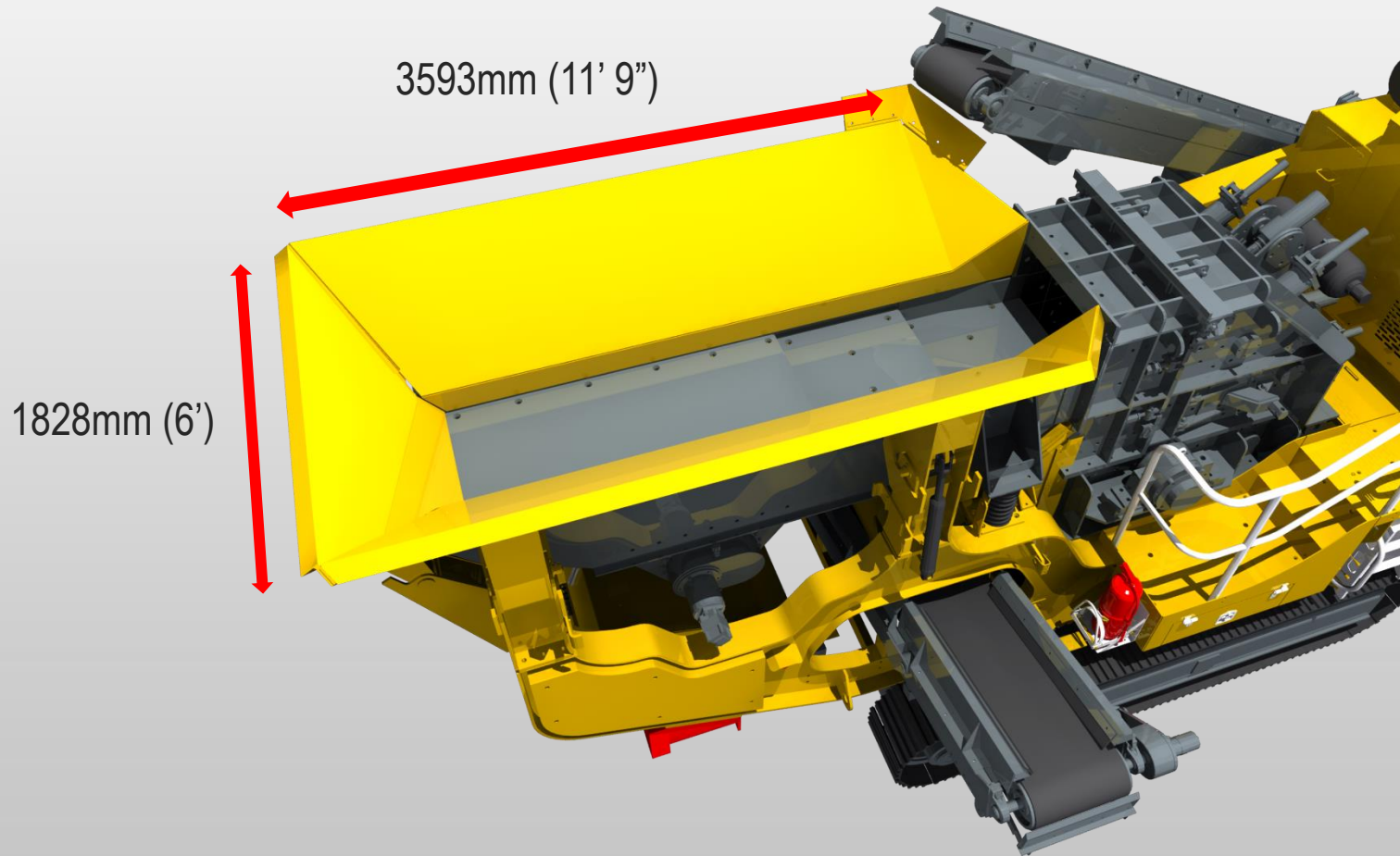
Fabricated from either high quality wear resistant steel plate or mild steel utilizing wear resistant liners

Feeder Liners to protect the hopper from excessive wear

Easy to replace



Feed Hopper Dimensions



Grizzly Feeder

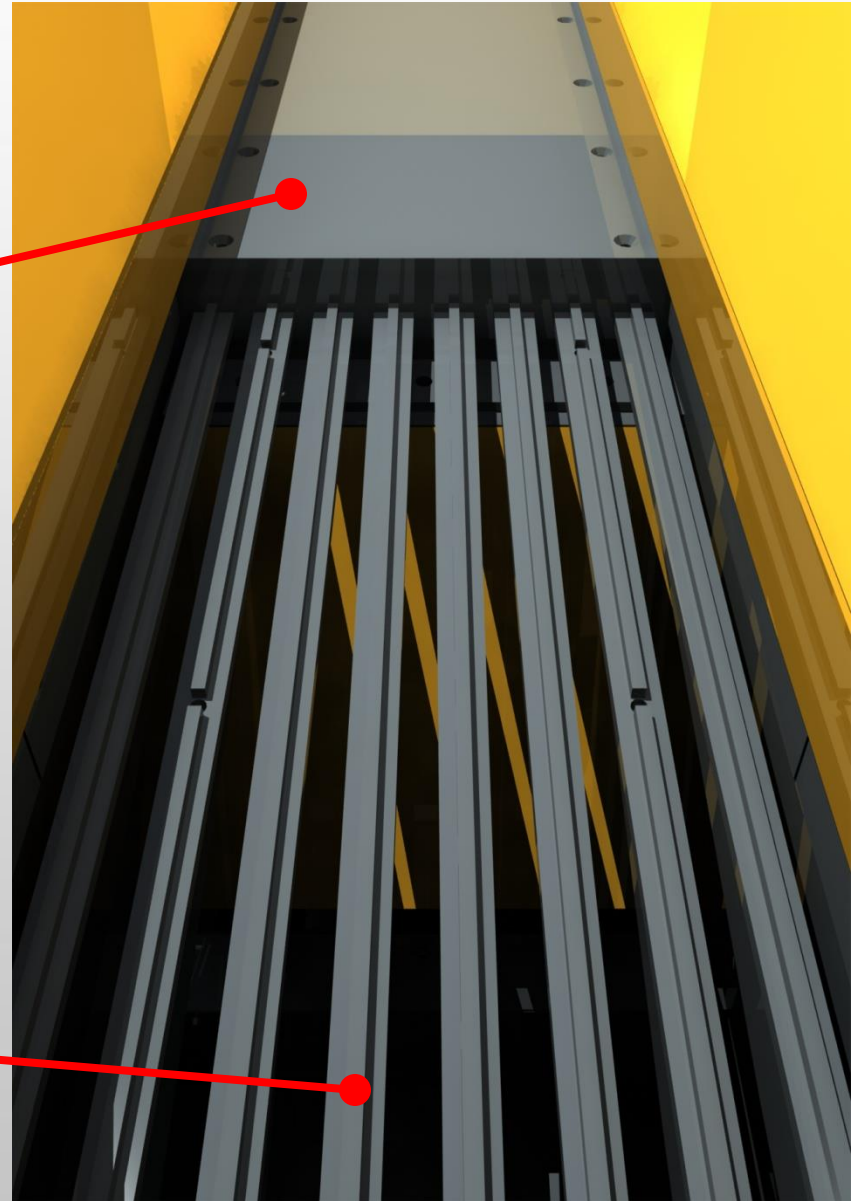
- | Fabricated from wear resistant steel
- | 45mm (1.8") double step cartridge
- | Wear resistant steel floor plate liners
- | Twin shaft exciter coupled with hydraulic motor
- | Variable speed control



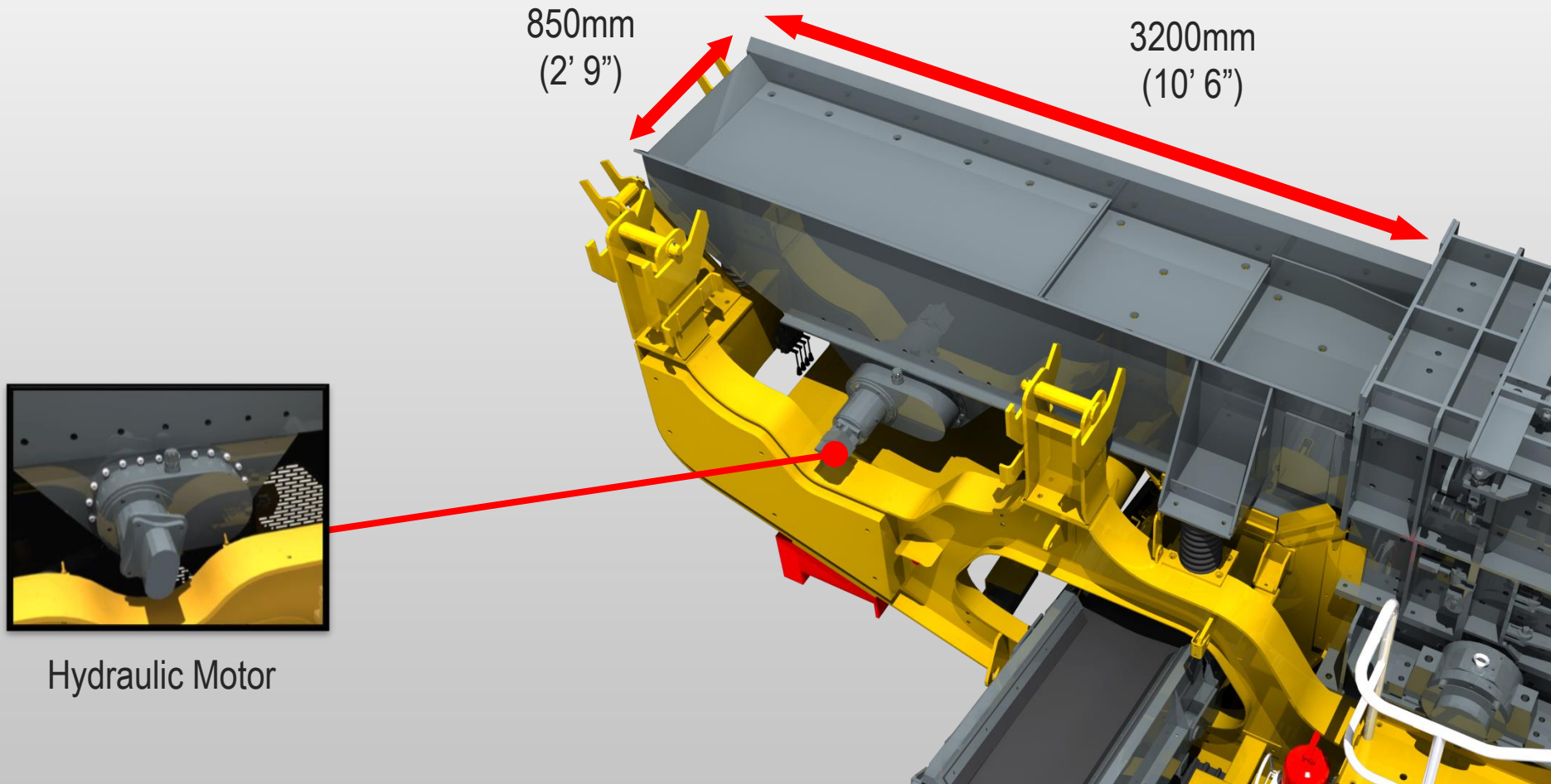
Grizzly Feeder

Wear Resistant Liners

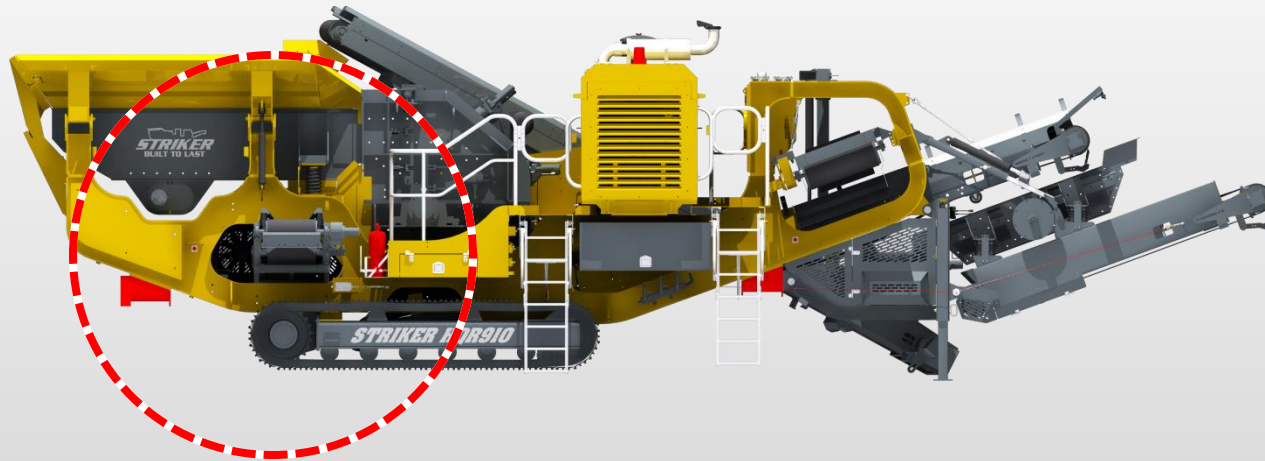
Self Cleaning Stepped Cartridge



Grizzly Feeder Dimensions

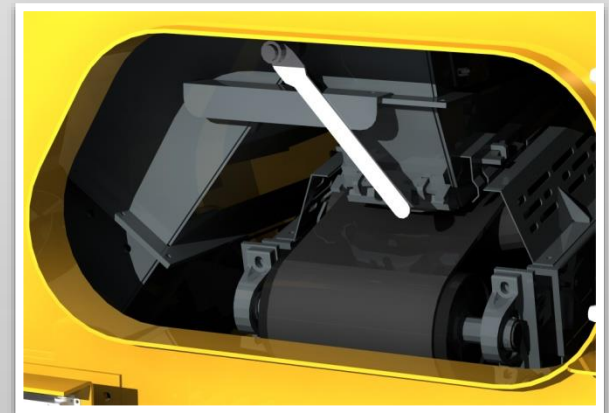


By-Pass Chute

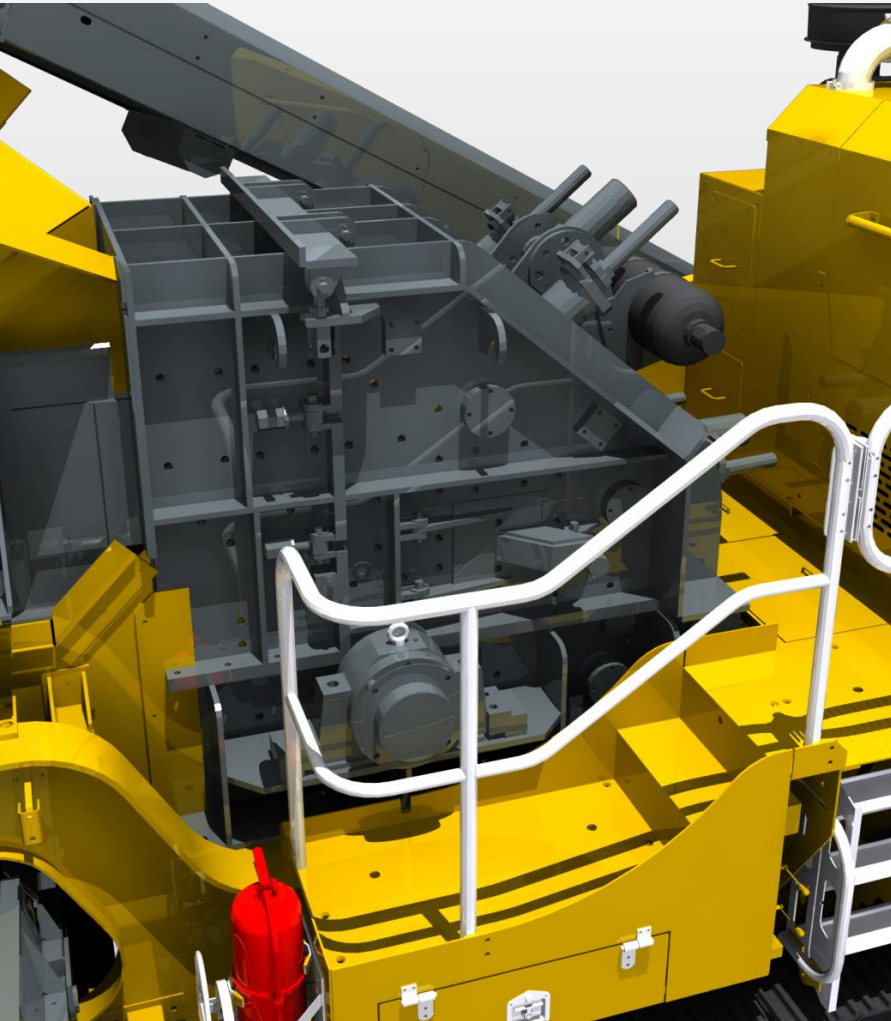


By-Pass chute removes natural fines from the feed material and discharge onto the “Side Discharge Conveyor”

The lever operates a two way door for diverting material either onto the “Forward Product Conveyor” or the “Side Discharge Conveyor”



Impactor



Well proven high performance impactor featuring heavy-duty open disc style rotors with four blow bars as standard

Blow bar support beams sized to ensure the rotor has the highest moment of inertia available

Hydraulic overload protection system

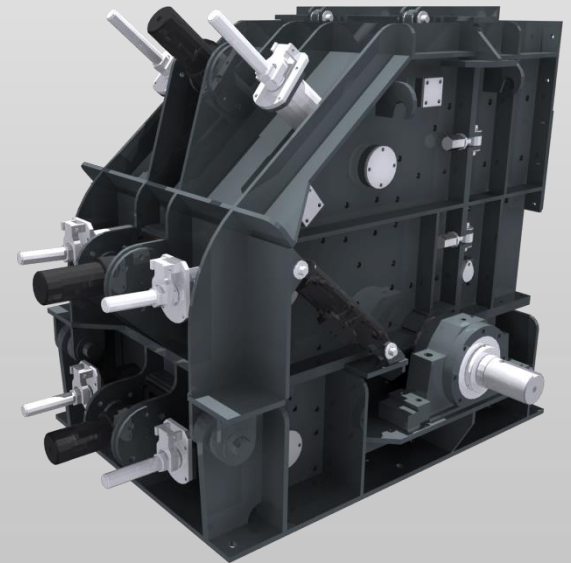
Impact Crusher



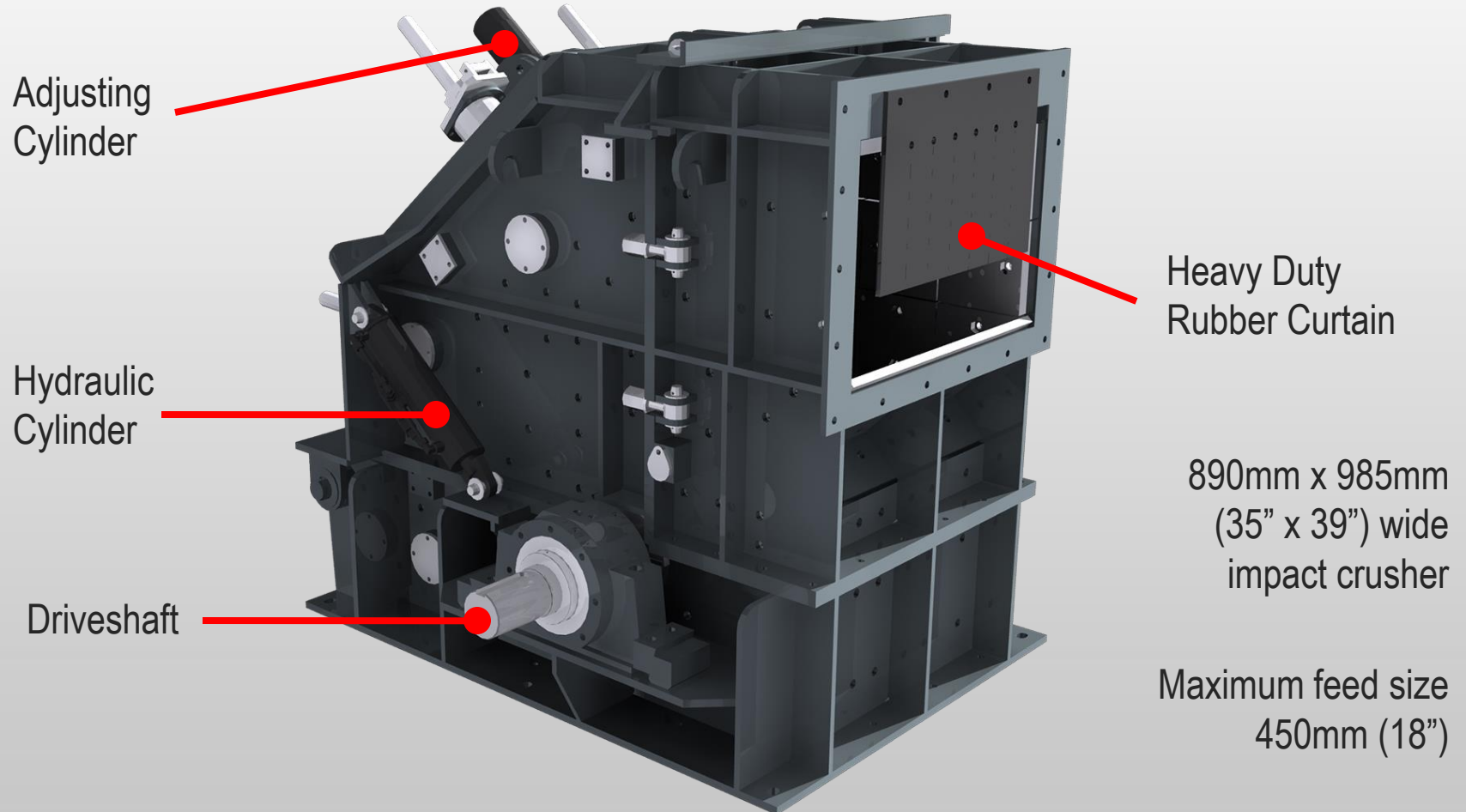
890mm diameter x 985mm (35" x 39")
wide impact crusher

Up to 225tph capacity

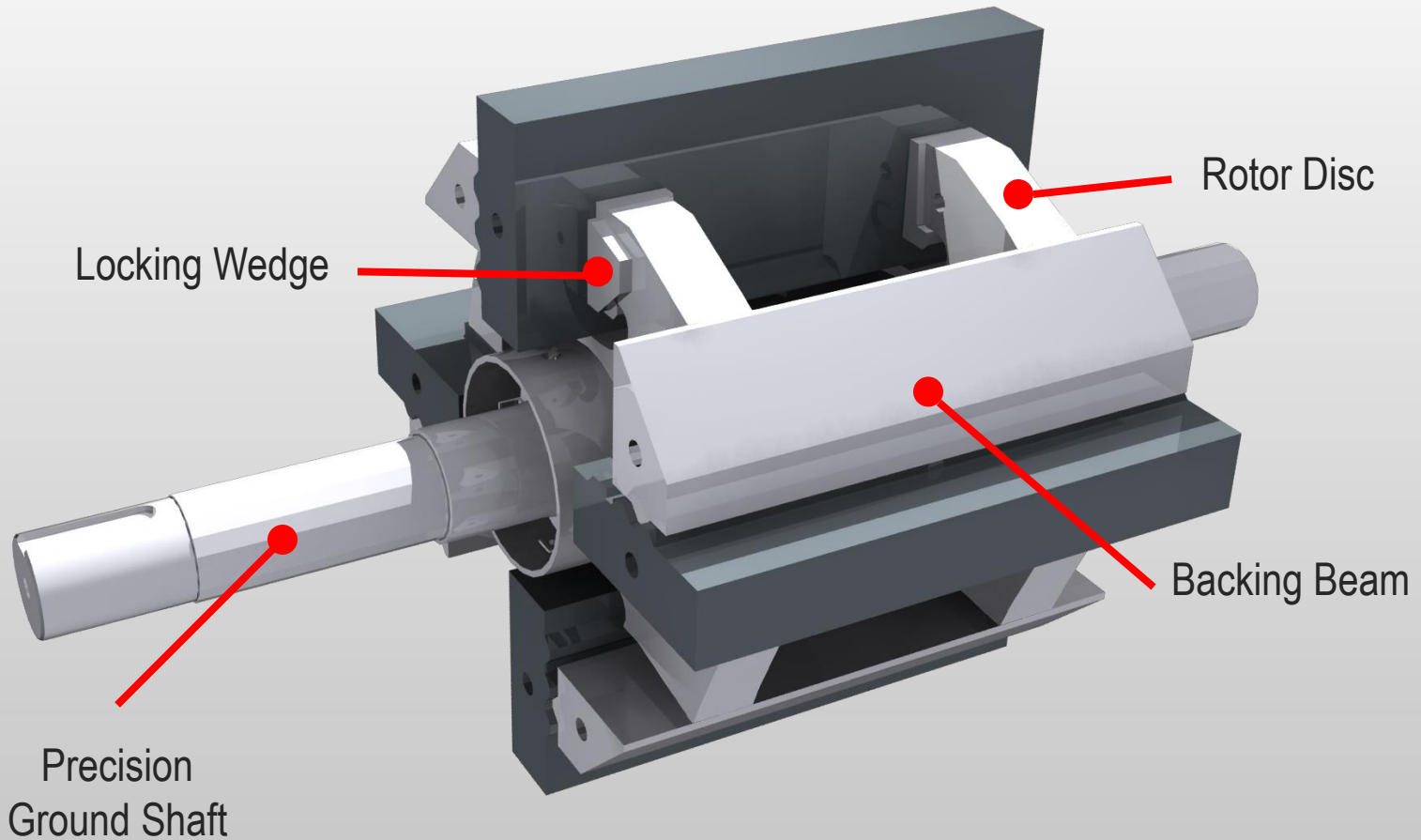
Maximum feed size 450mm (18")



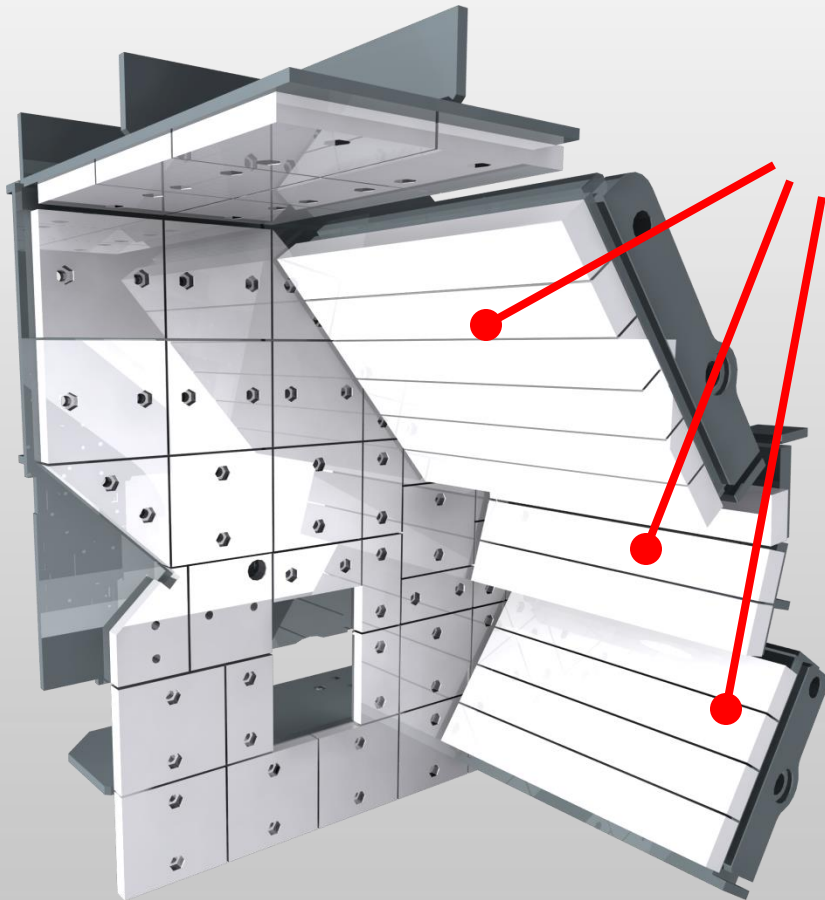
Impact Crusher



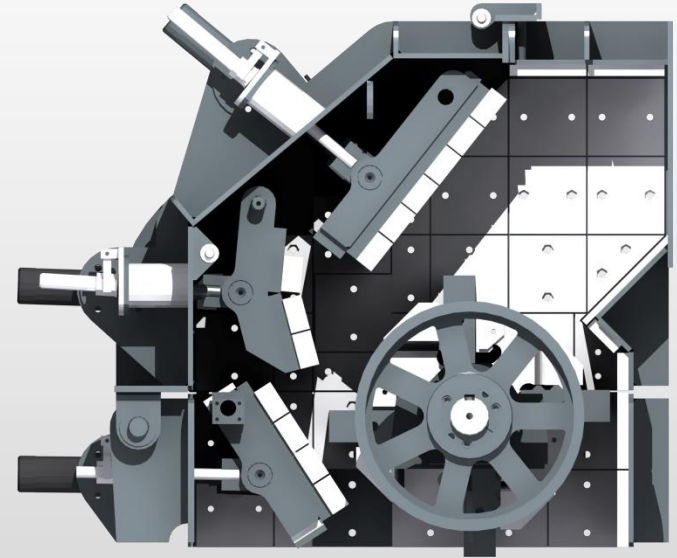
Heavy Duty Rotor



Fully-hydraulic Impact Arms



Adjustable
Impact Arms



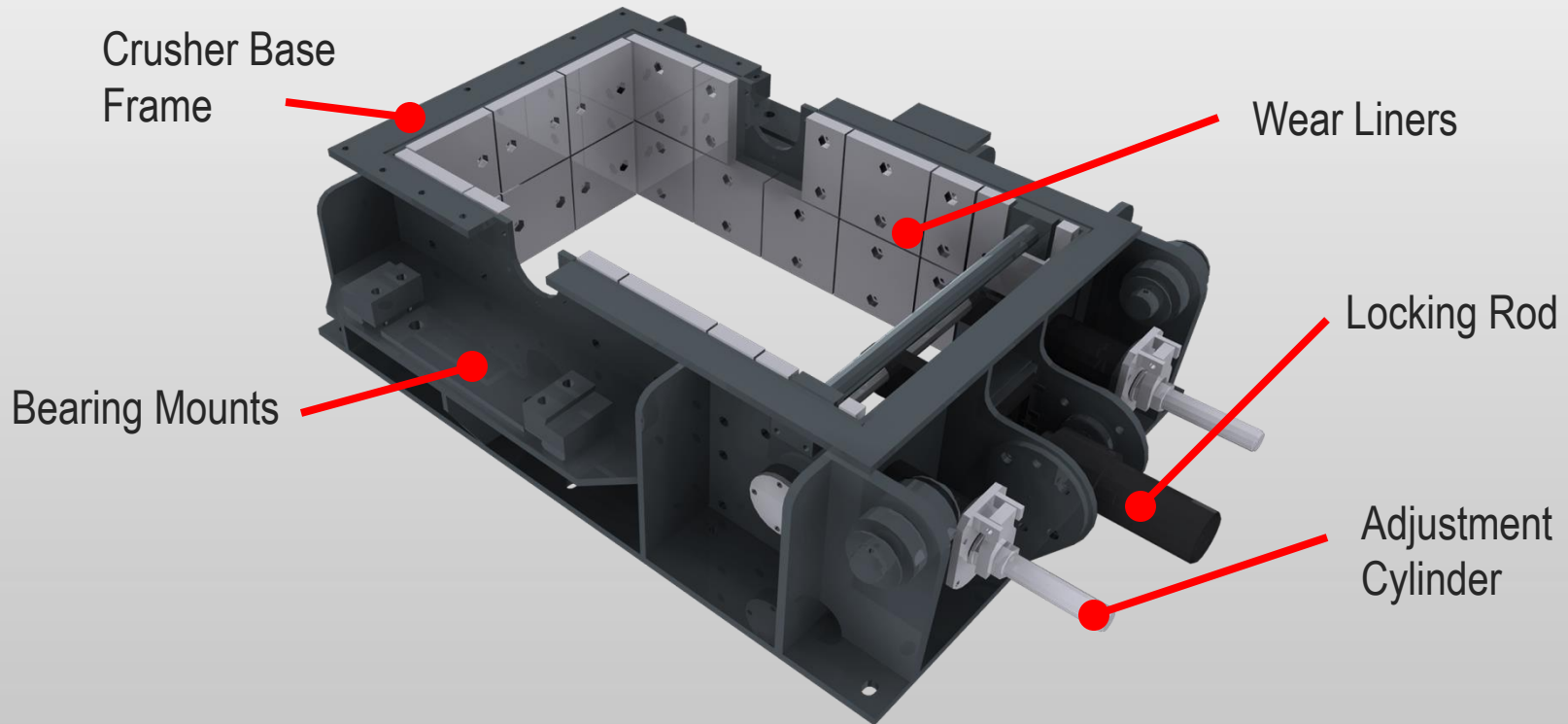
Interchangeable impact plates

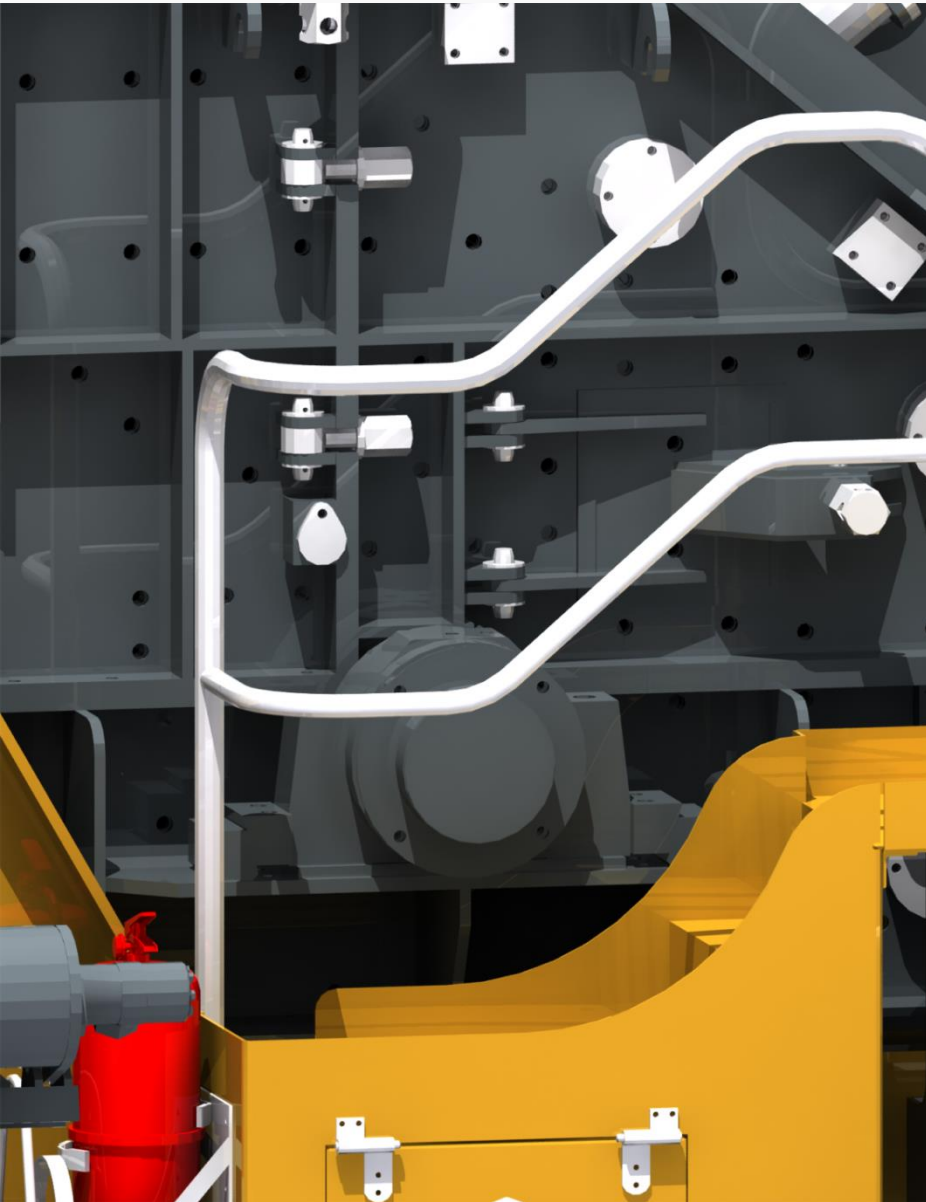
Hydraulically adjustable gap settings
between impact arm and rotor

Overload protection system

Wear Liners

Wear liner plates are cast from wear resistant manganese and have been designed so more are interchangeable and turnable

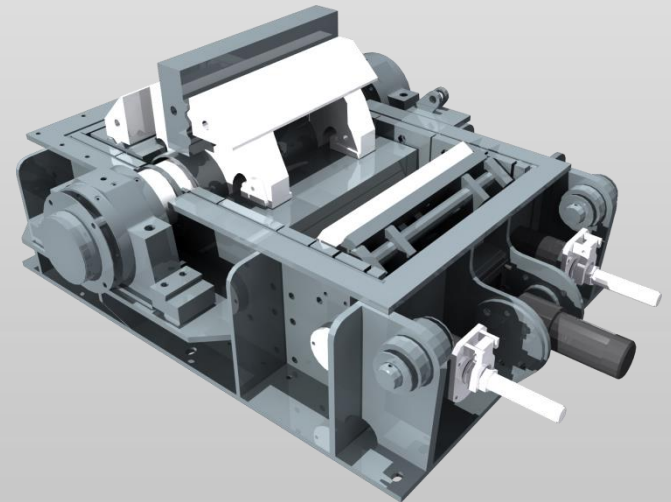




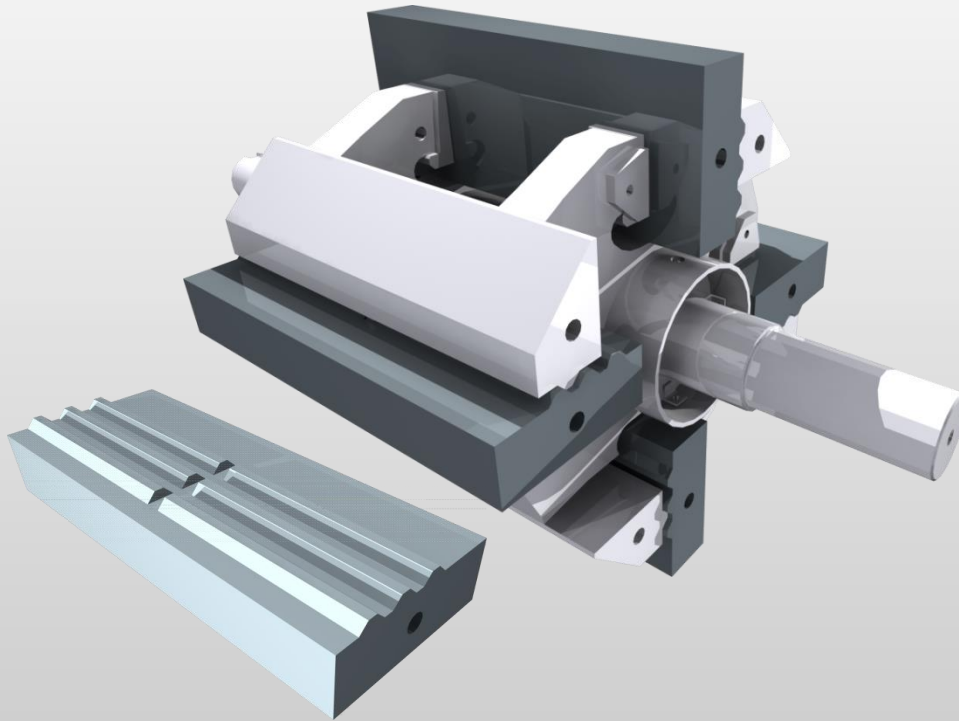
Impactor Bearings

The rotor is supported by bearings mounted in massive solid housings manufactured from steel blocks with self-purging labyrinth seals

Easy maintenance access



Heavy Duty Blow Bars



Four full size manganese blow bars

The rotor arms are equipped with 100mm (4") thick blow bars in manganese offering the highest wear resistance available

The blow bar thickness can be increased to suit larger feed sizes vital in recycling

Extended service life through a design that permits the bars to be lifted via the top as wear occurs

Maintenance is safer and more expedient than in other designs



Lifting cradle for blow bar

Impact Crusher Drive



The impact crusher is driven via a hydrostatic drive to give infinite control of crusher speeds

Quick easy belt tensioning

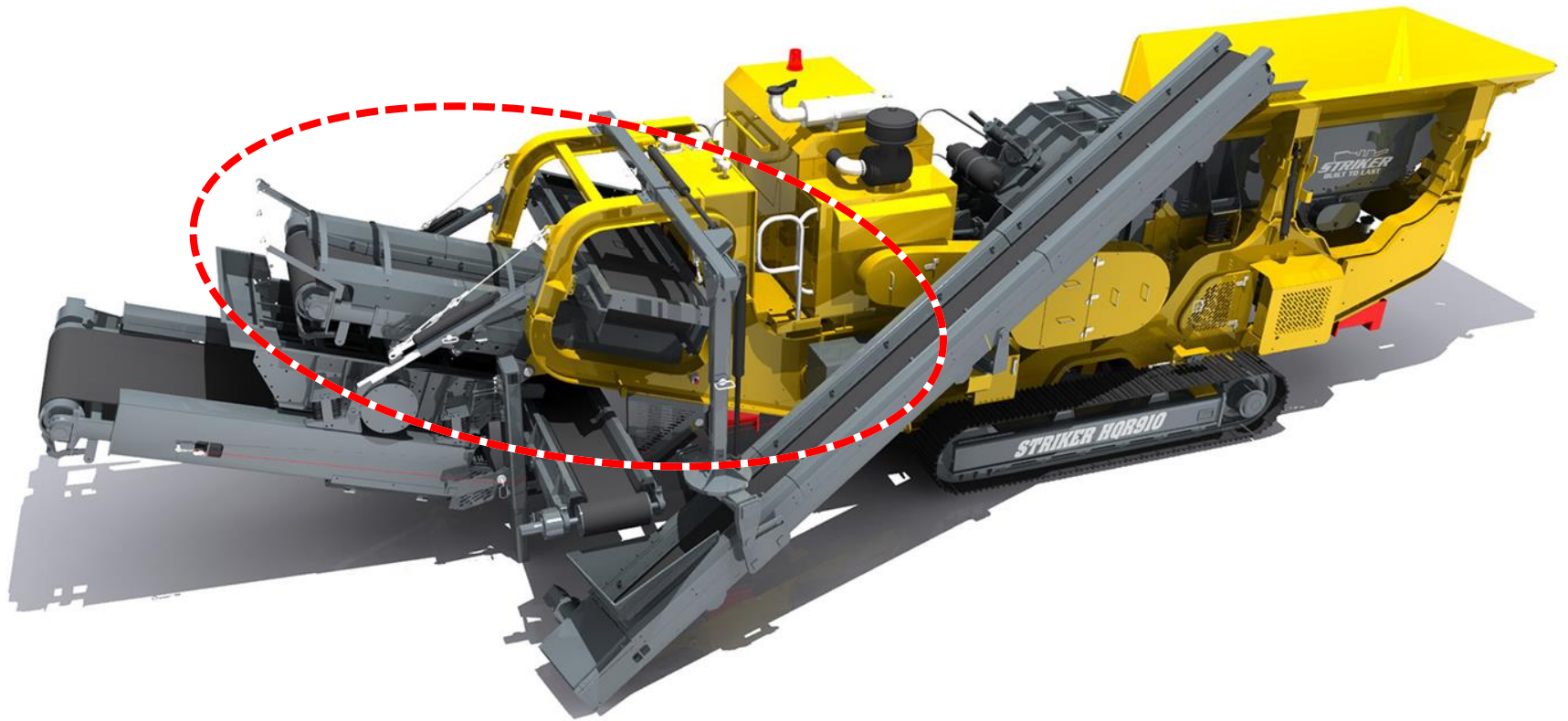
Externally mounted and easily maintained

Smooth start up, no belt slip

Shock & overload protection

No friction linings creating longer life utilization

Forward Product Conveyor



Forward Product Conveyor

Heavy duty extra wide belt 900mm
(36") wide 4 ply troughed conveyor

Fully skirted conveyor belt to reduce spillage
with wear resistant steel liners for durability



Forward Product Conveyor

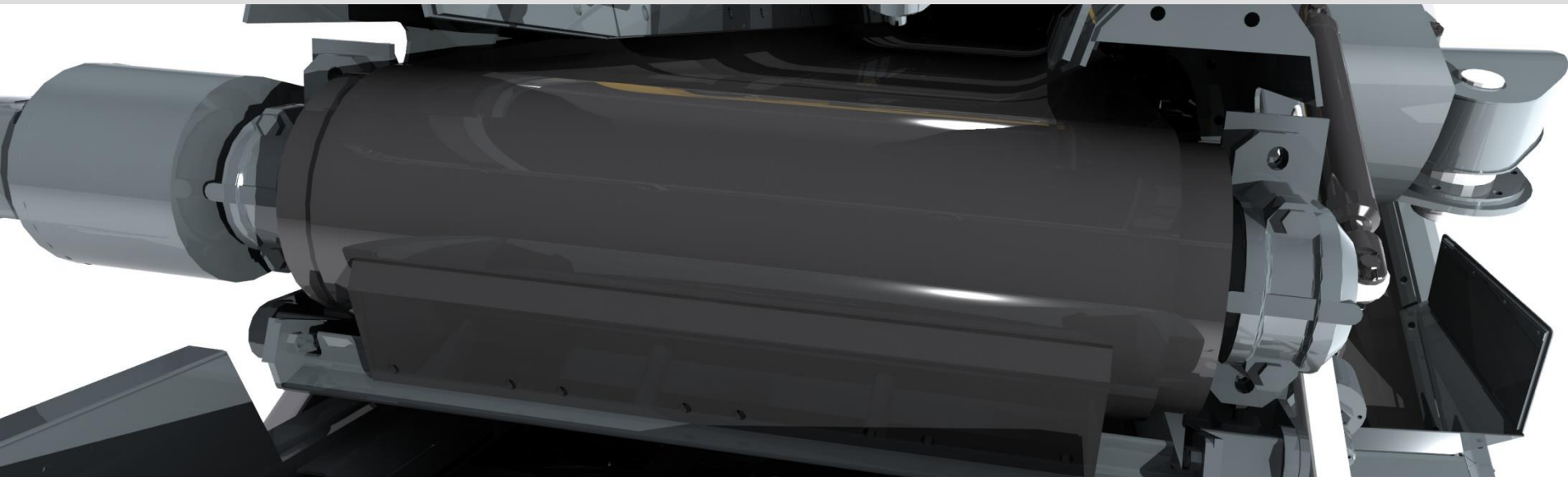
Hydraulic drive at the head drum

Belt cleaner located after the discharge point to ensure that sticky material is removed preventing tracking issues

Greasing lines to the head drum

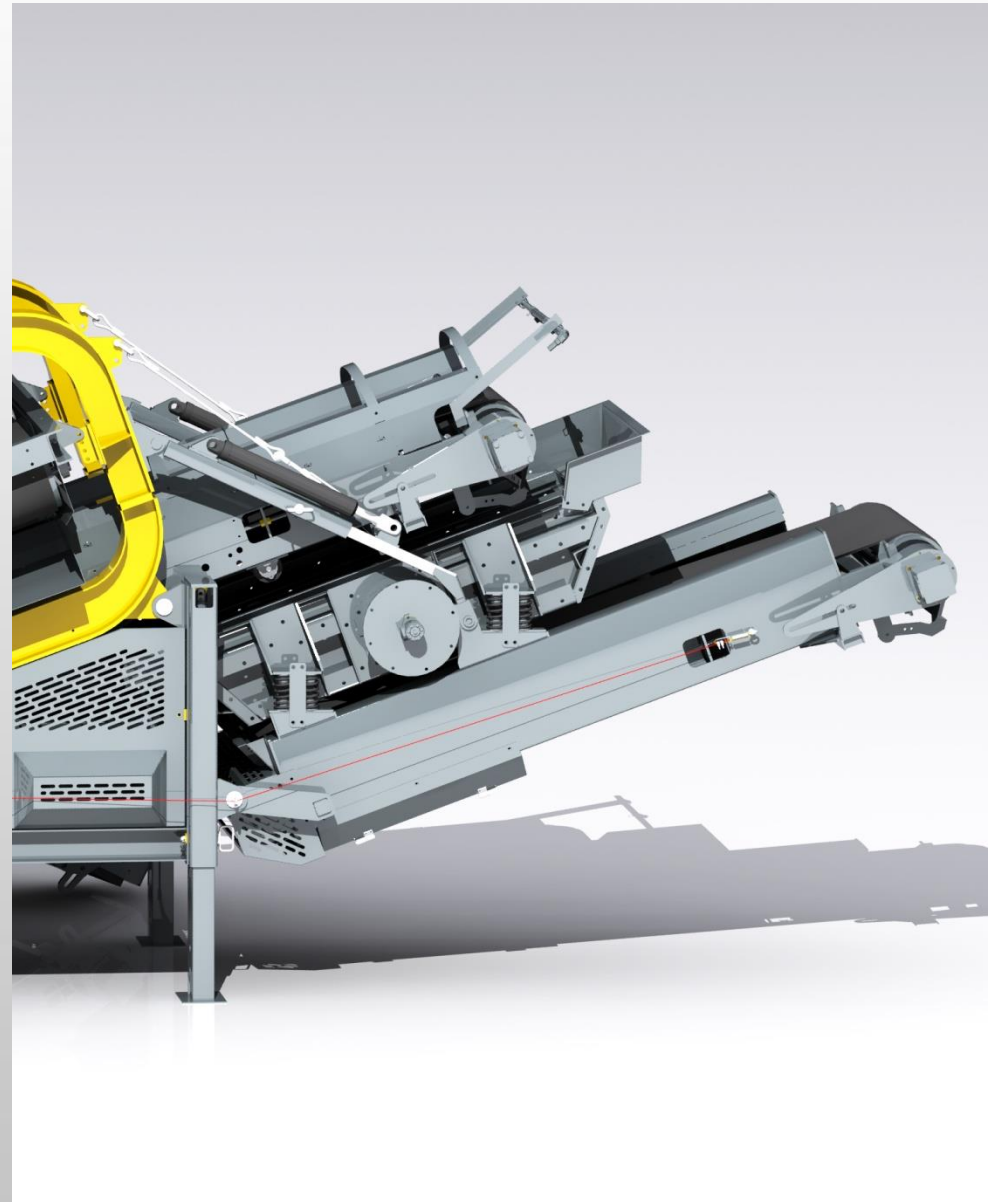
Self-aligning spherical roller bearings

Lagged head drum to prevent belt slippage



Fines Product Conveyor

- | 900mm (36") wide
- | 3 ply belt



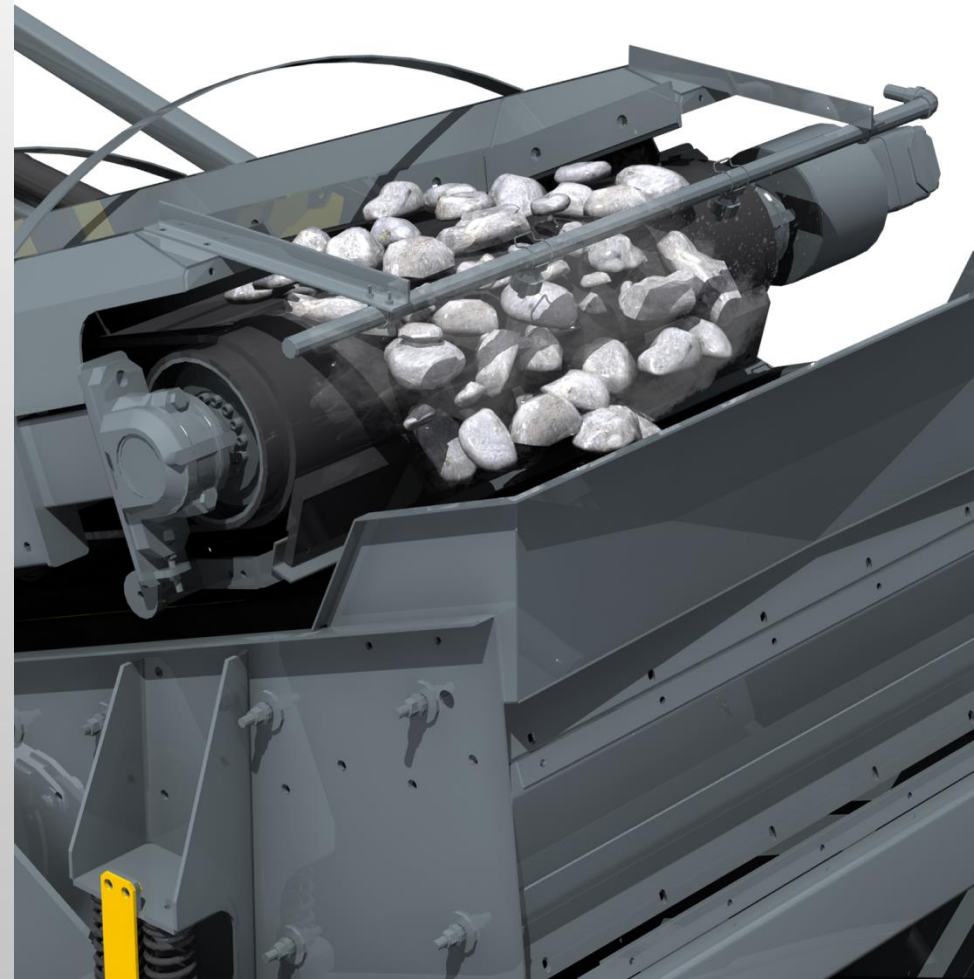
Conveyor Guards

- | Quick release system for maintenance
- | CE Compliant
- | Safety against moving & rotating parts



Dust Suppression

- Environmentally friendly on-board solution to dust control from the impact crusher
- Dust Suppression sprays and manifold
- Dust Suppression in two isolated locations
 - 1) Impact crusher discharge chute
 - 2) At the top of the product conveyor



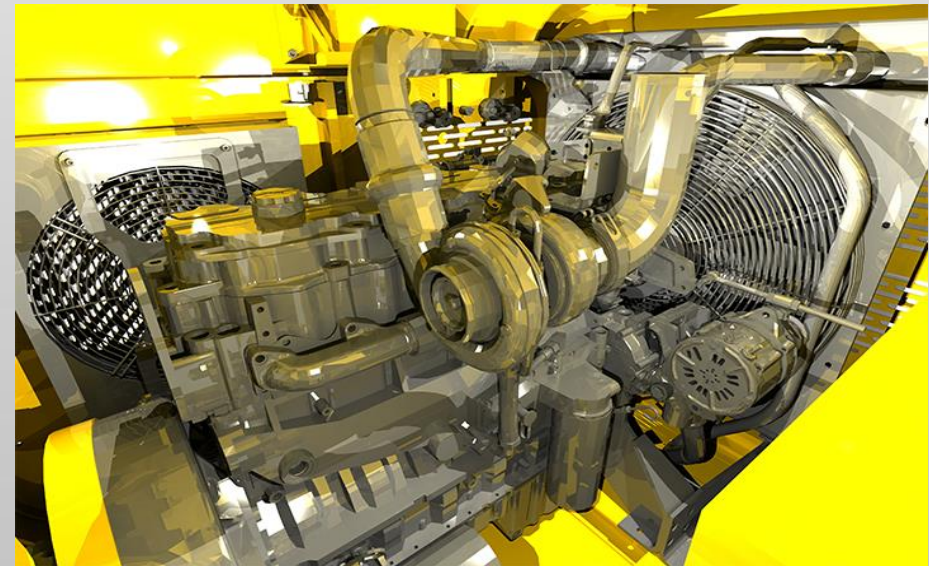
Central Greasing Point

- | Central greasing point
- | Robust, durable greasing lines, not plastic
- | Located at ground level
- | Saves on maintenance time



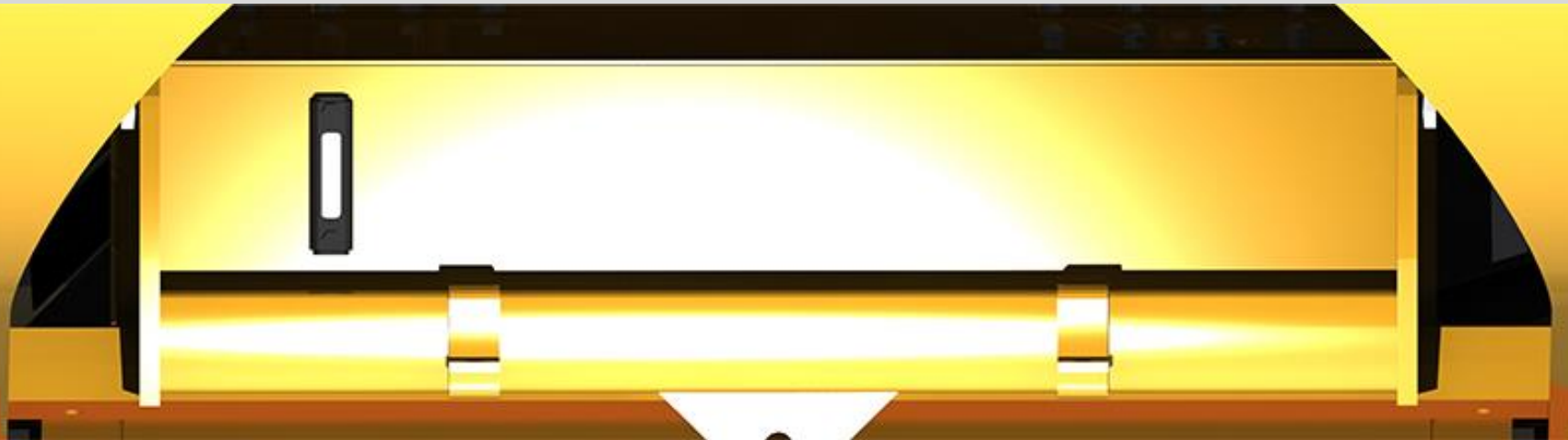
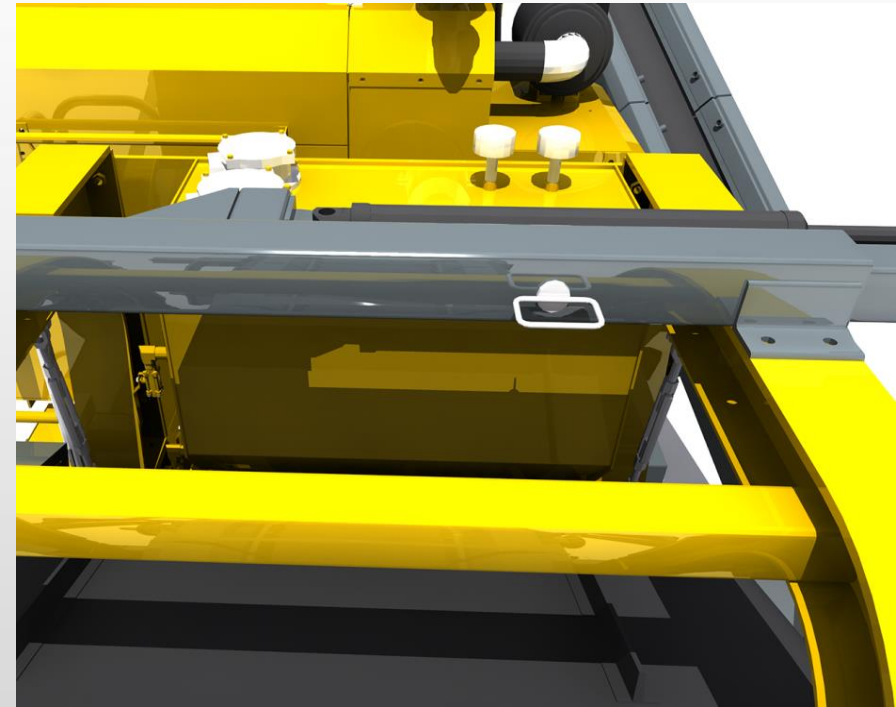
Power Pack

- Powered by a CATERPILLAR® C7.1 Tier 3 engine rated (186kW @ 2000rpm)
- Load sensing hydraulics for improved fuel efficiency
- Engine complies with all current emission laws
- Hot climate oils (Recommended for ambient temperatures between +15°C to +50°C)
- Easy access for maintenance via 3 panel doors
- Easy to maintain, reliable and efficient



Fuel & Hydraulic Tank

- 300 litre (66 gal) standard capacity fuel tank
- 400 litre (88 gal) standard capacity hydraulic tank
- Hydraulic oil filtration system and air filter



Hydraulic Components

Easy access to hydraulic components for maintenance

Simple ON/OFF hydraulic blocks

The hydraulic system powers:

Crusher

Tracks

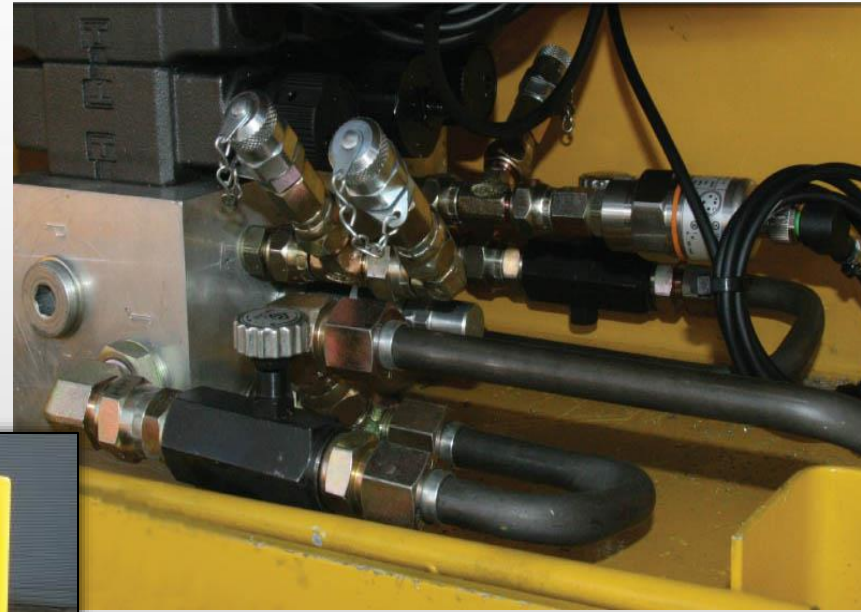
The hopper wings and securing pins

Forward & side conveyors

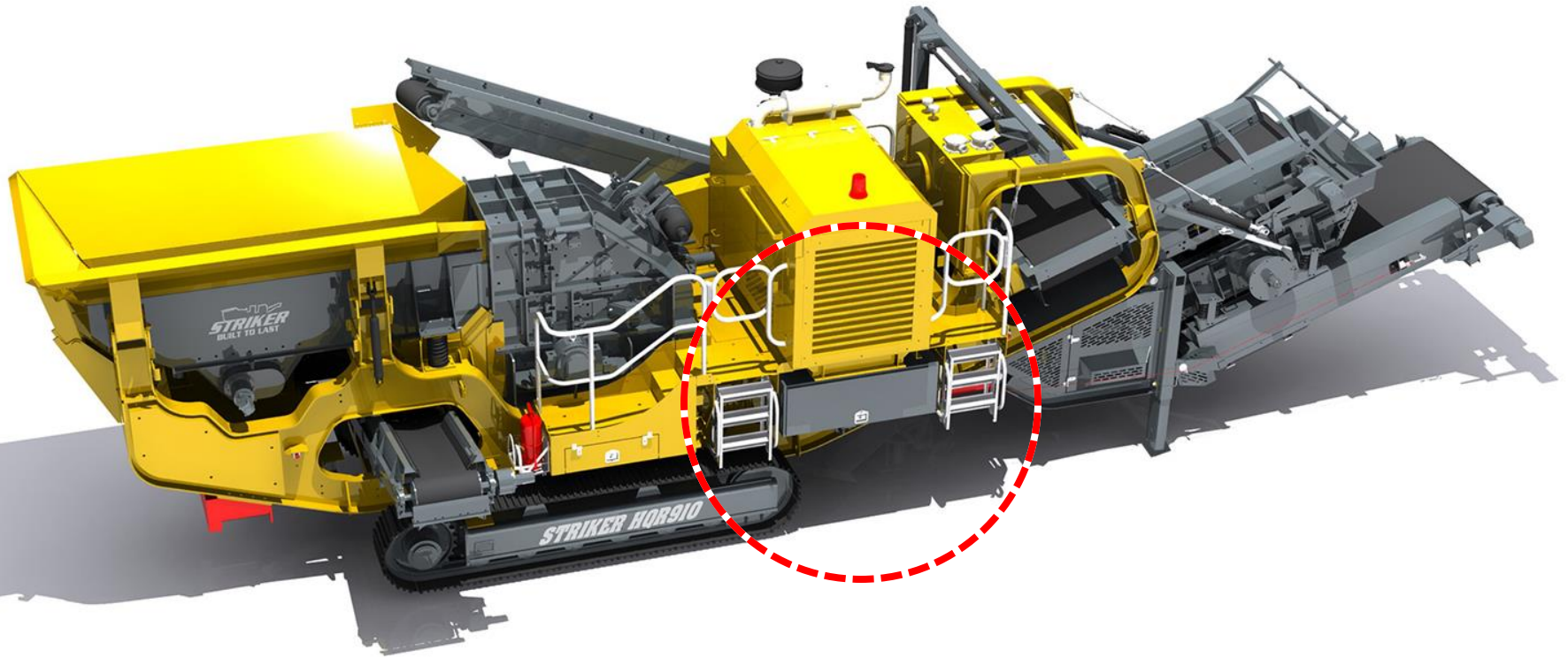
Vibrating Grizzly Feeder

Optional screen & recirculation conveyor

Forward support legs



Controls



Controls

- Simple user friendly screen
- Ability to change the displayed language
English, Mandarin, Bahasa, Afrikaans in
the HMI settings
- Clearly marked diagrammatic display
- Ability to switch between metric and standard
imperial units of measurement
- Rugged CAN based modular I/O
- Low voltage 24V system
- Sealed IP54 cabinets to prevent the ingress
of dust & water



Remote Control Unit

- | Battery level indicator (on the display)
- | Signal strength indicator (on the display)
- | Proportional control of the tracks
- | Steer mode
- | Tramming mode
- | Feeder ON/OFF and speed control
- | Charging via a cigarette lighter plug 12/24vdc
- | A charging/storage dock mounted on the machine so it's always on hand and full charged



Battery Maintenance Access

Service access to the batteries

Location for isolation during maintenance and welding on plant:

Two Isolator available:

- 1) Battery isolator
- 2) Starter motor isolator for testing controls & electrical system with the engine isolated



Manual Hydraulic Controls

Clearly marked manual hydraulic levers power the following and are easy to operate and allow for quick set-up of the plant:

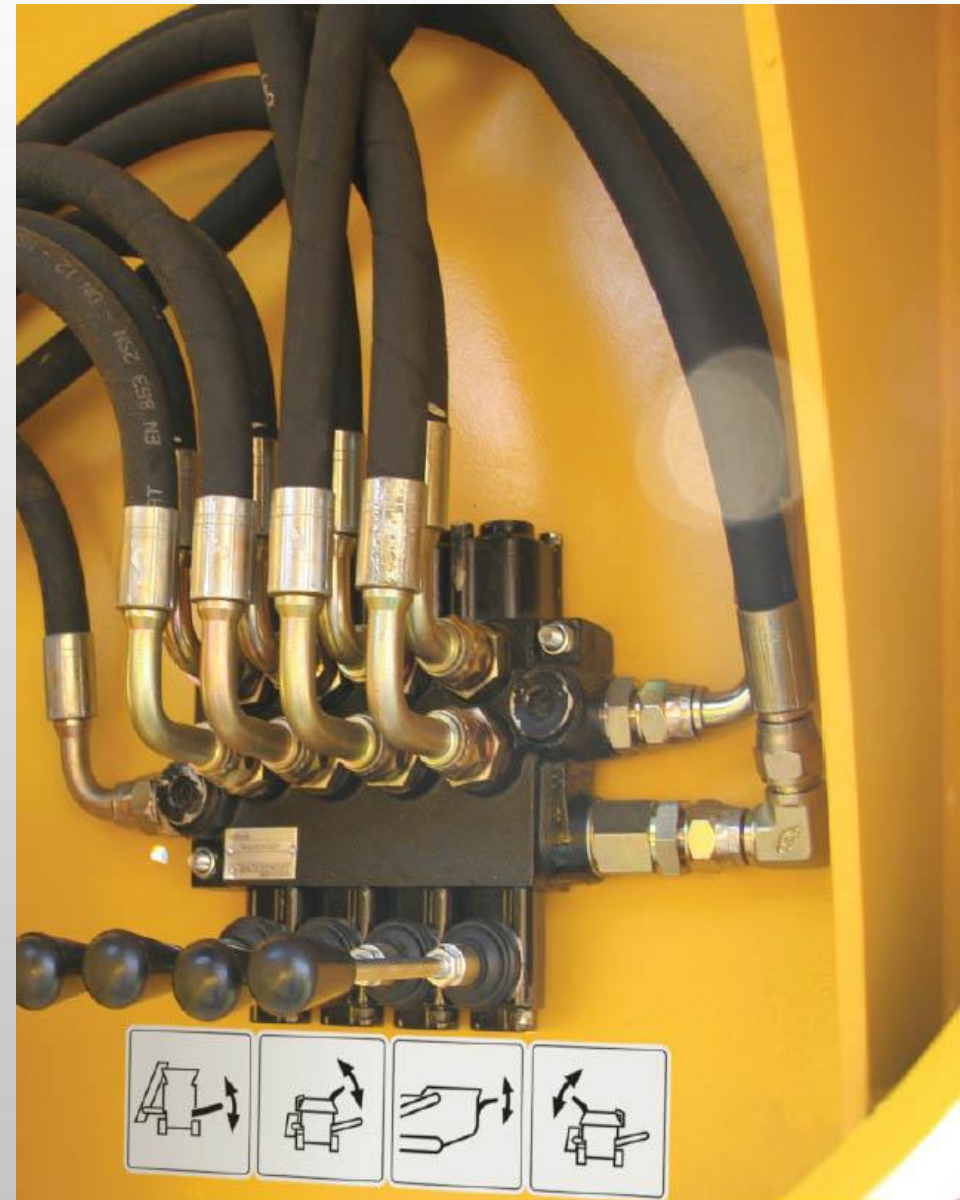
Hopper sides

Hopper securing pins

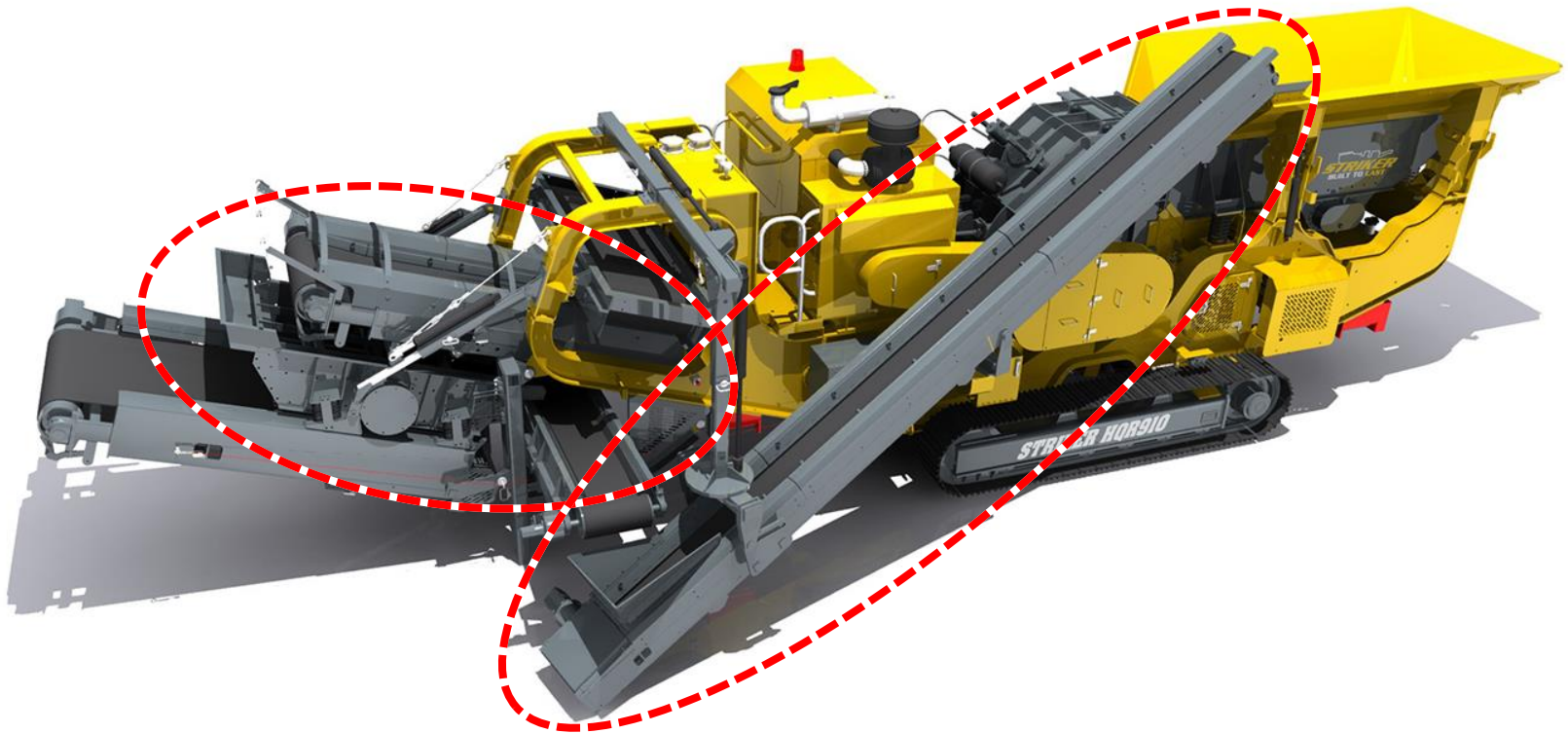
Side discharge Conveyor

Screen

Recirculation conveyor



Screen & Recirculation Conveyor



Screen & Recirculation Conveyor

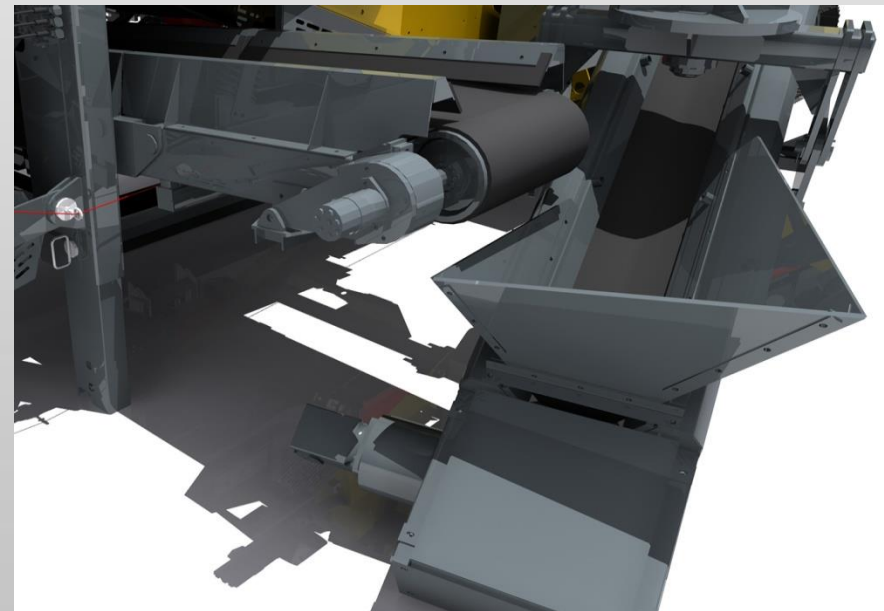
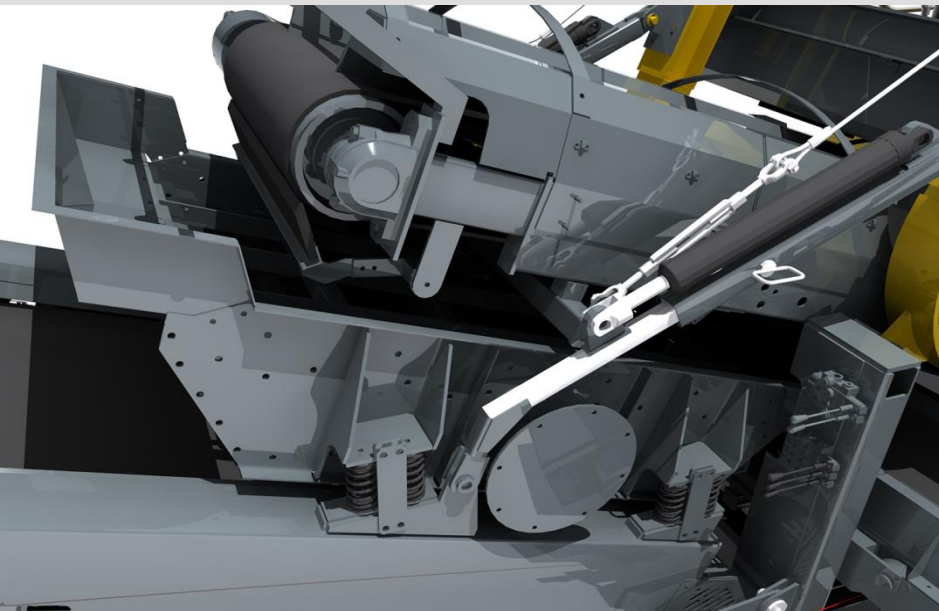
Hydraulic operated single deck vibrating screen 2400mm x 1200mm (8ft x 4ft)

Hydraulic tilting oversize recirculation conveyor that stows for transport

Added ability to produce a graded product

Negates the need for a separate screen

Recirculation conveyor can pivot away from machine to stockpile oversized material



Side Discharge Conveyor



Hydraulically folding side discharge conveyor

The by pass chute transfers removal of fines on to the side discharge conveyor

350mm (14") wide belt

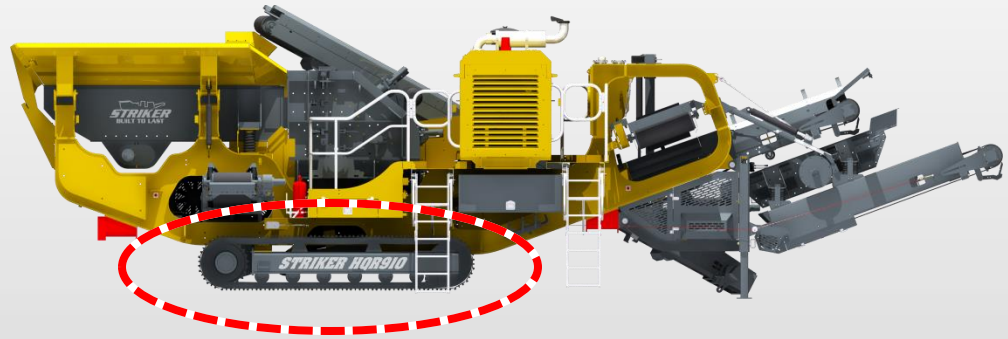
Folds in uniquely under the hydraulically folding side hopper when in transportation

Tracks

Hydraulically driven
crawler tracks

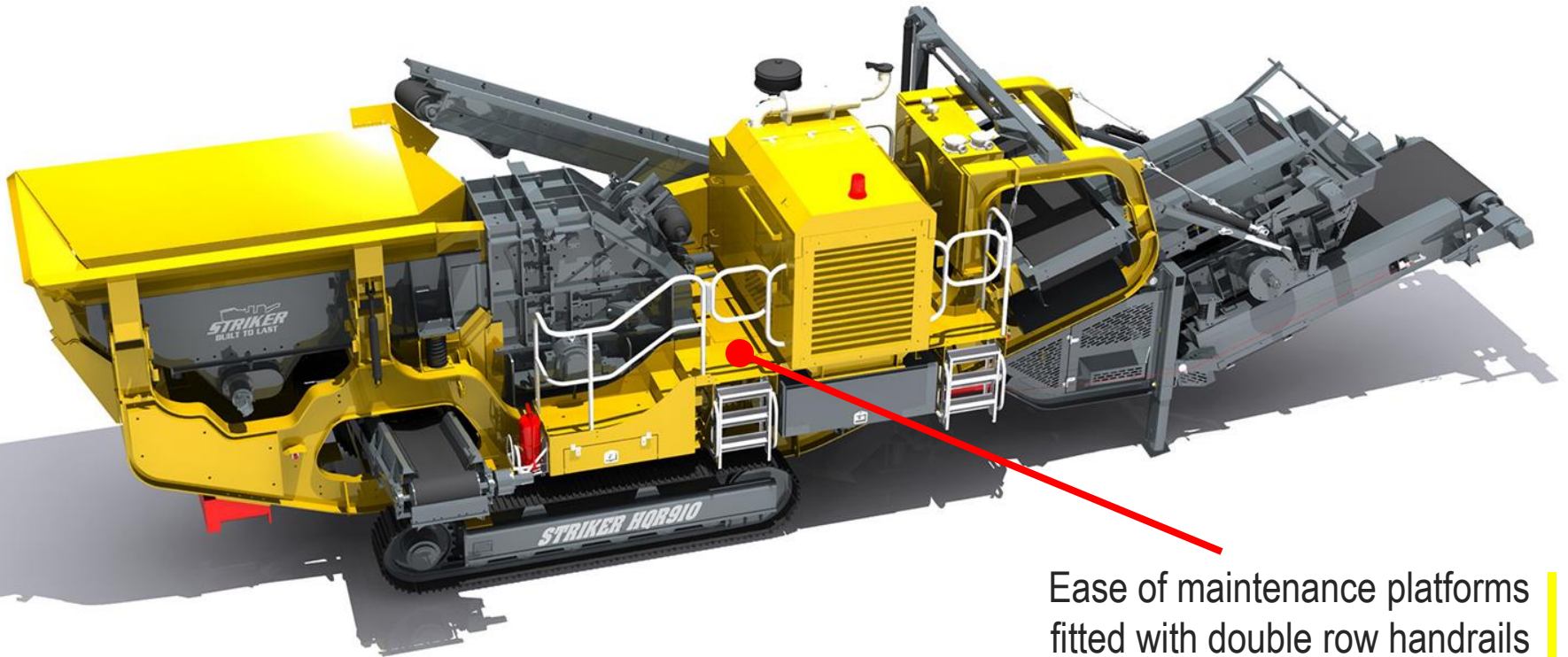
Track centres 2920mm (9'7")

Track shoe width 400mm (1'4")

A close-up, low-angle view of the track shoe of the Striker HQR910. The track shoe is dark grey with a textured surface. The text 'STRIKER HQR910' is printed in large, bold, white letters across the front of the shoe. The track links and sprockets are visible in the background.

STRIKER HQR910

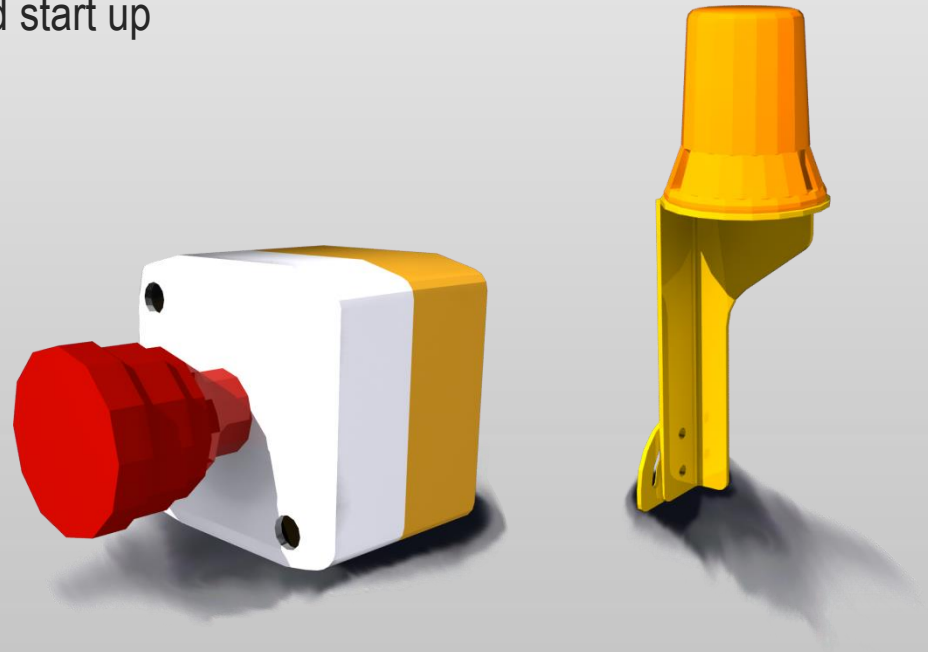
Platforms



Ease of maintenance platforms
fitted with double row handrails
access ladders

Machine Safety Aspects

- | Nip Point guarding
- | Central located greasing
- | Engine start delay and siren
- | Warning siren to alert the machine tracking and start up
- | Engine emergency stops



Options

- Product conveyor weigh scale
- Wear resistant steel hopper liners
- Centralised lubrication system
- Product conveyor dust covers
- Higher & wider track kit (Mining Spec)
- Impactor high speed conversion
- Hydraulic water pump
- Engine bay fire suppression
- Hydraulically operated vibrating screen & recirculation conveyor
- Feed hopper extension wings
- Overband magnet
- Plant lighting tower
- Under crusher deflector plate
- Increased fuel tank capacity
- Remote diesel fill pump
- Arctic package for operating conditions – 20 °C
- Desert package for operating conditions + 50 °C
- Control cabinet air pressuriser
- Paint

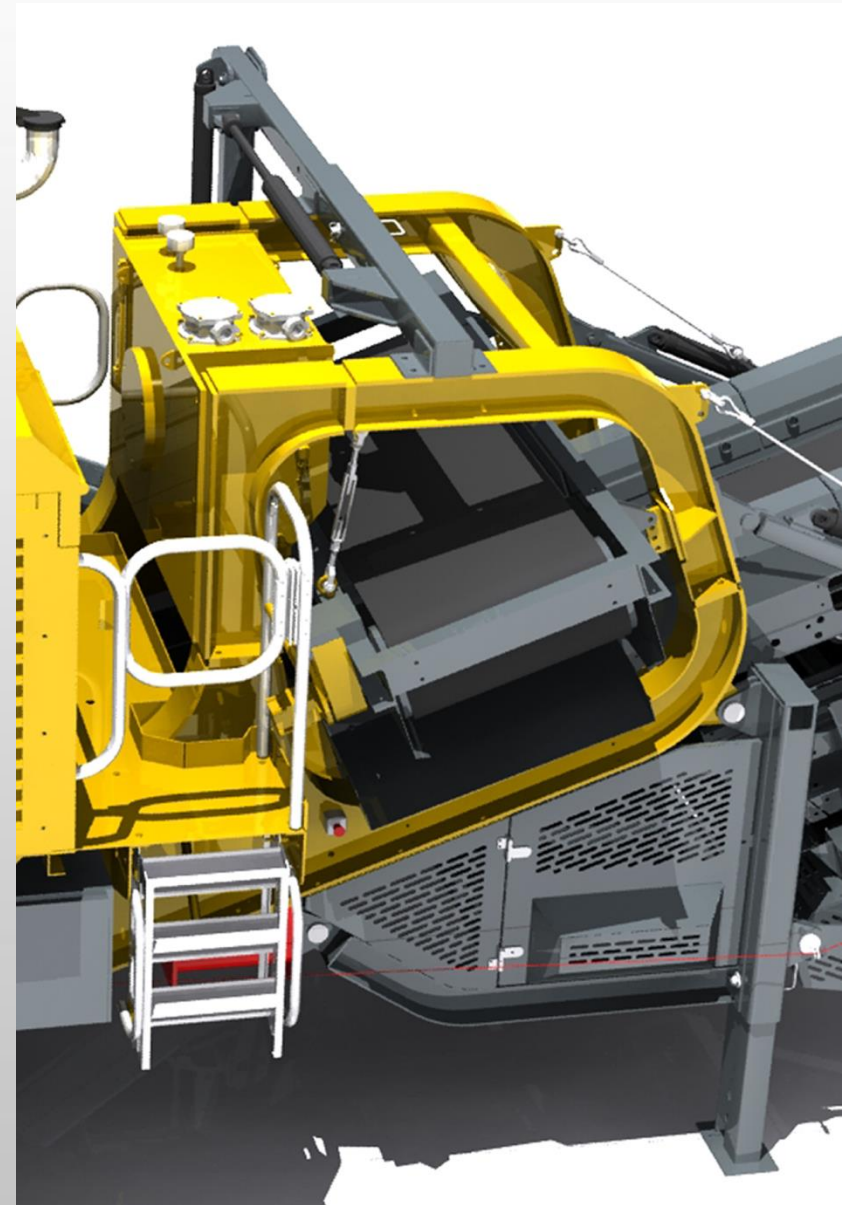
Feed Hopper Extension Wings (Option)

- Heavy duty wear resistant steel feed hopper construction
- Hydraulically operated ground level folding side and rear wings
- Reinforced box section webs
- Rapid set up time

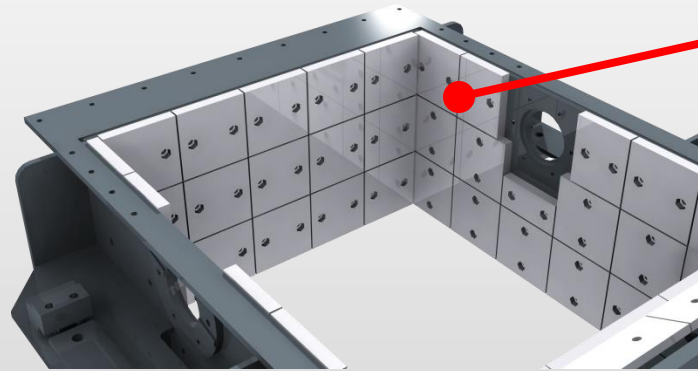


Overband Magnet (Option)

- Magnet preparation c/w hosing, shedder plate and mounting bracket
- Single Pole Magnet c/w hosing, shedder plate and mounting bracket



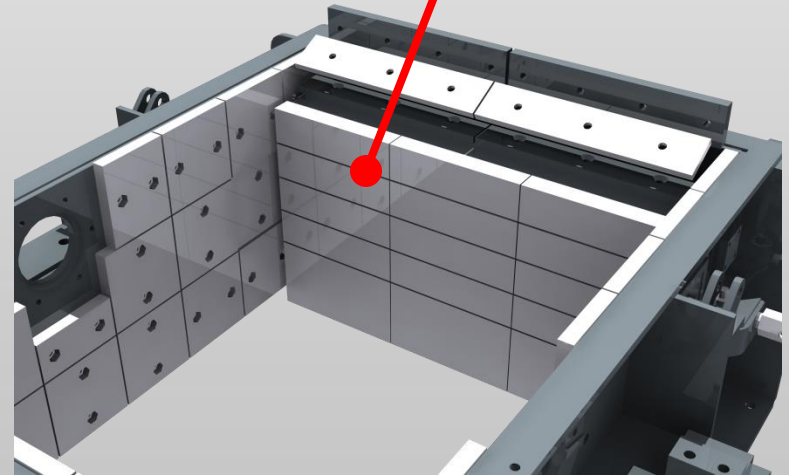
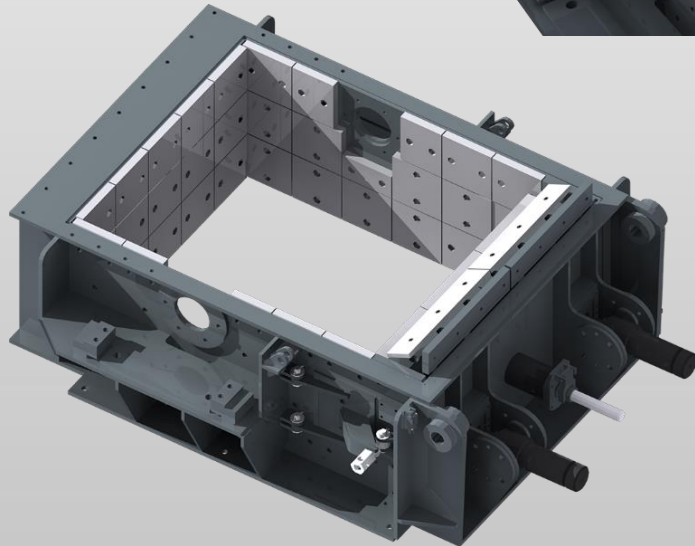
Wear Liners (Option)



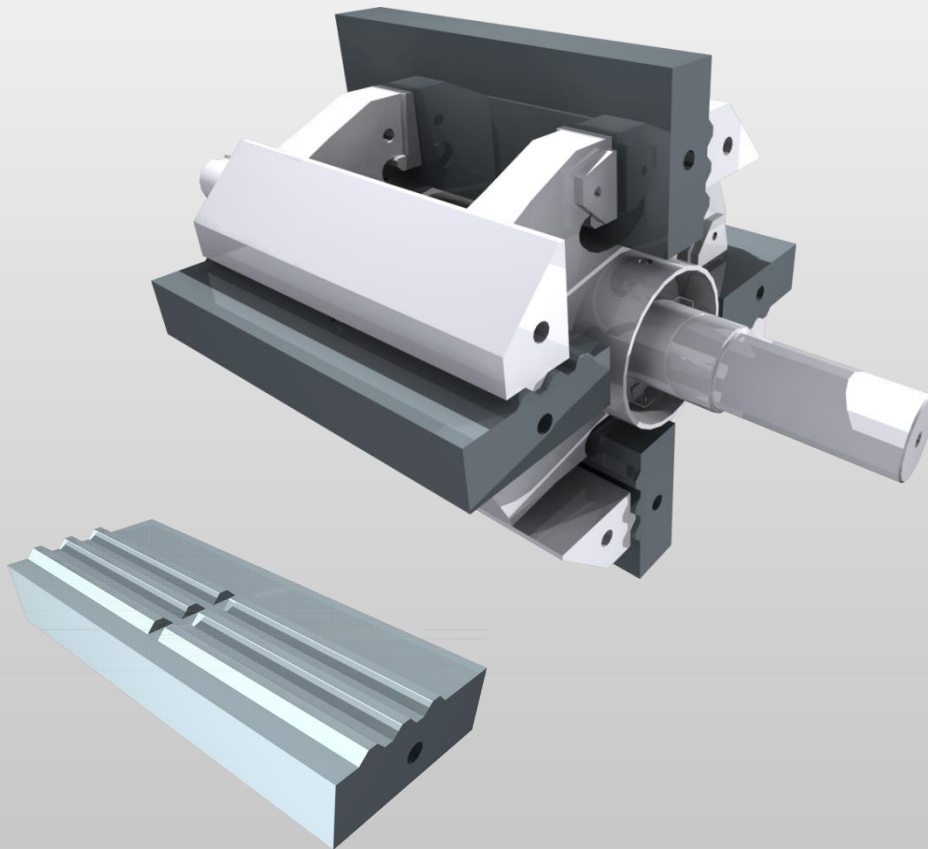
Chrome body liners

Chrome impact plates

Hardox body liners



Heavy Duty Blow Bars (Option)



Two full size chrome and two half size bars |

Four full size chrome blow bar |

Crane for blow bar change |

Forward Product Conveyor (Option)

Product conveyor hydraulic folding head section and extended conveyor

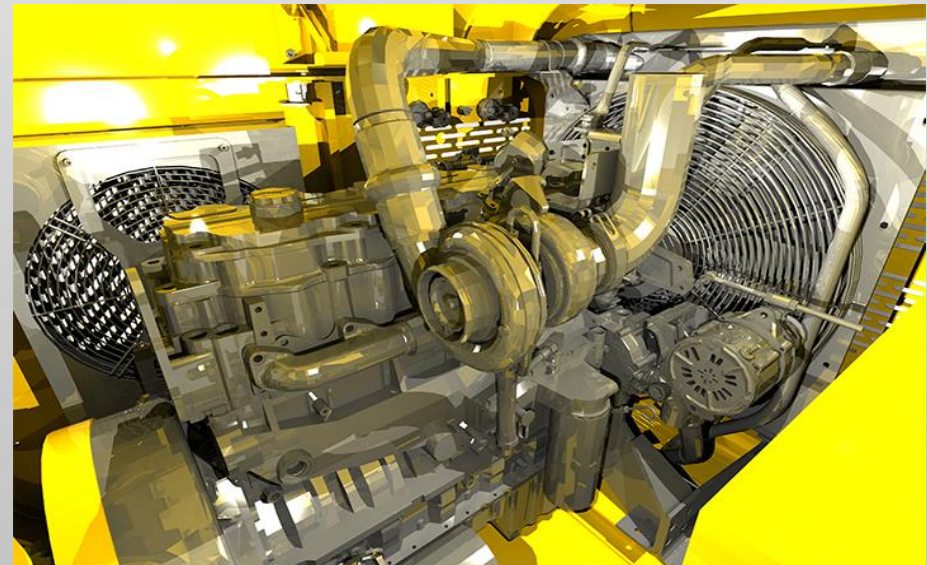
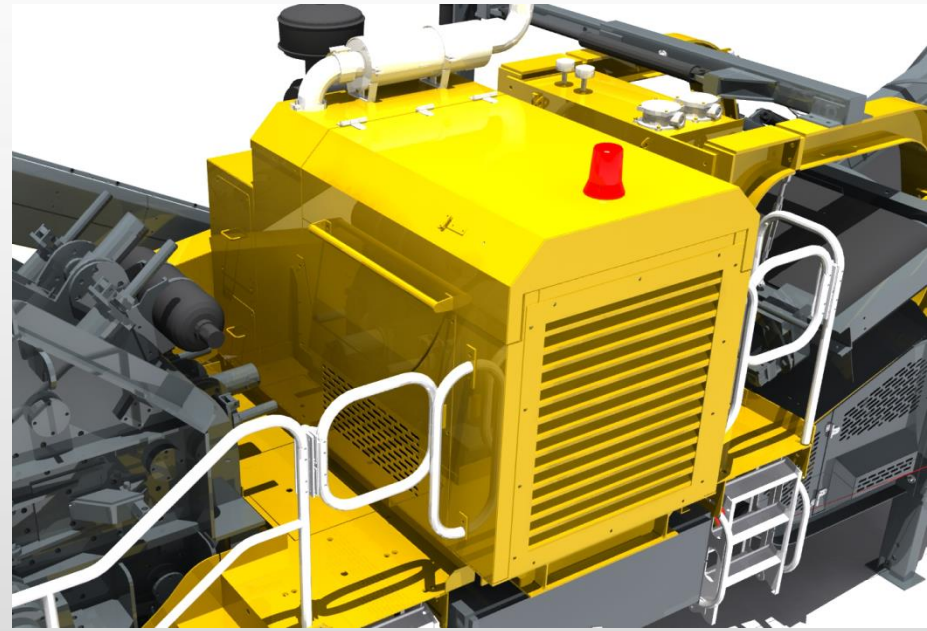
Power Pack (Option)

Powered by a CATERPILLAR® C7.1 LRC 250hp Tier 4F engine rated (186kW)

Radiator blast guards

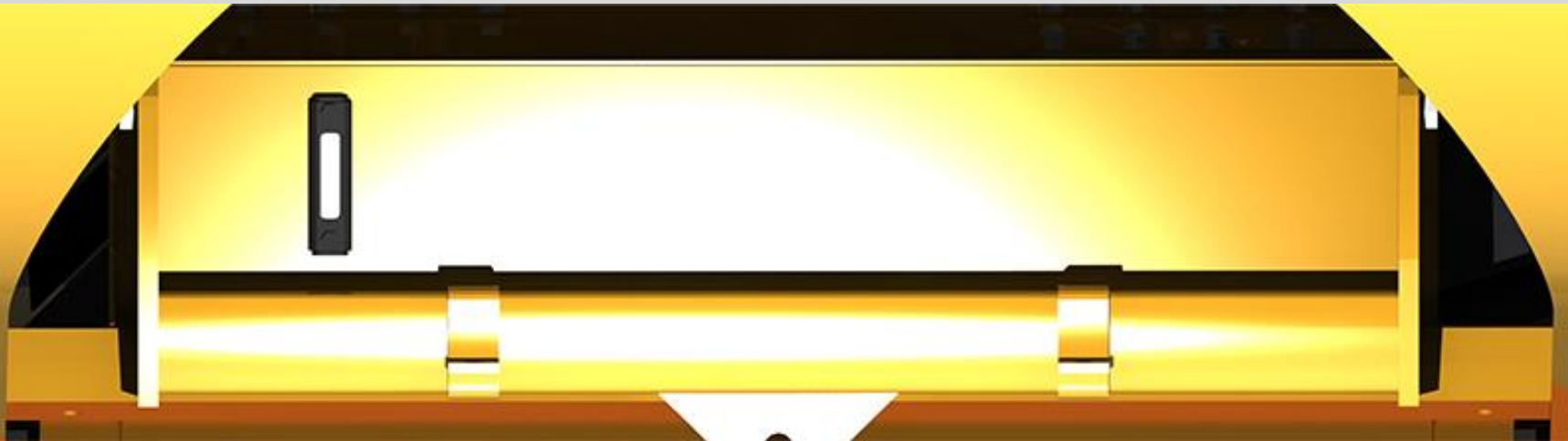
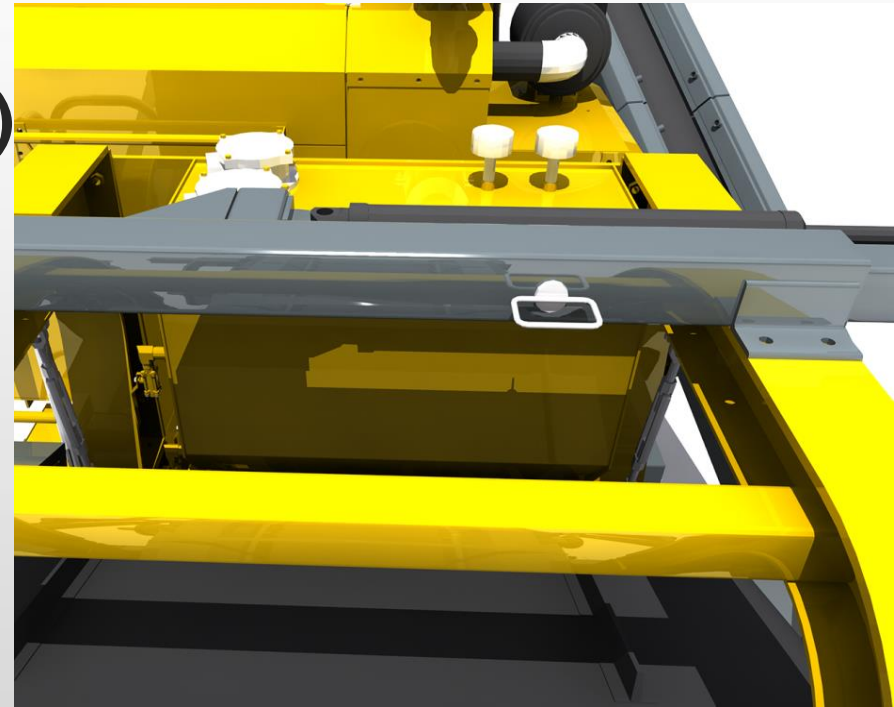
Cold climate oils (Recommended for ambient temperatures between -20°C to +30°C)

Plant lighting mast



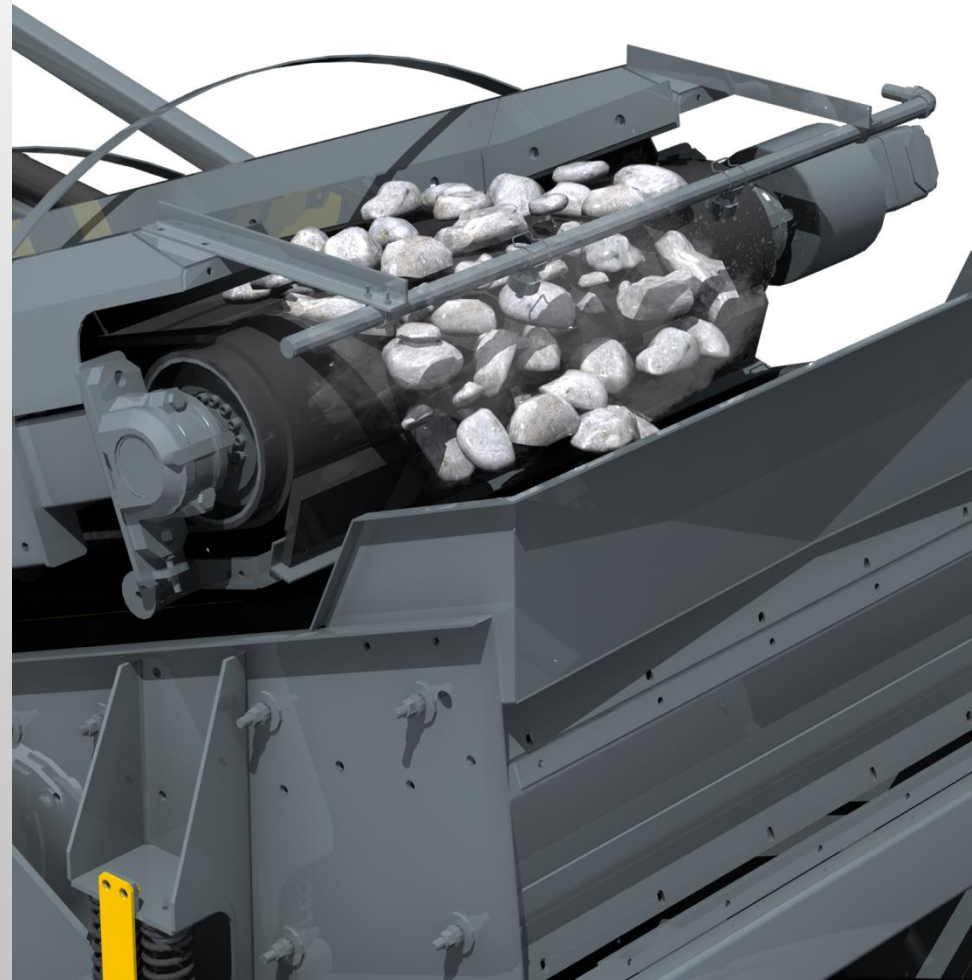
Fuel & Hydraulic Tank (Option)

Option to increase fuel tank capacity



Dust Suppression (Option)

| Water Pump



Remote Control Unit (Option)

- Umbilical remote control unit
- Control panel positive pressurisation



Controls (Option)

- Full PLC control panel
- Full system diagnostics
- Controls fitted to the plant include:

Sequential start up

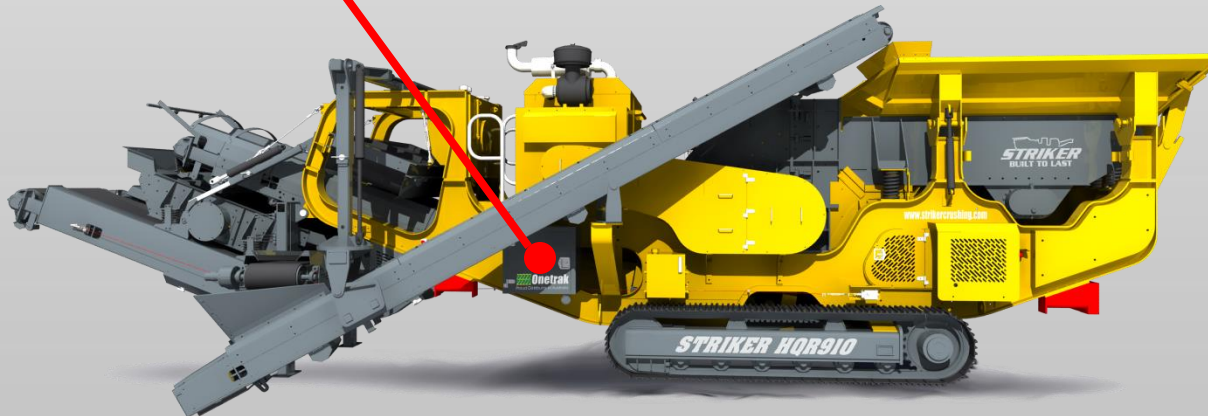
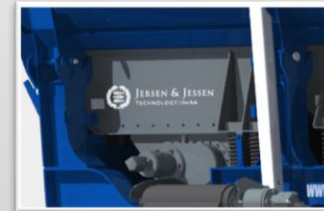
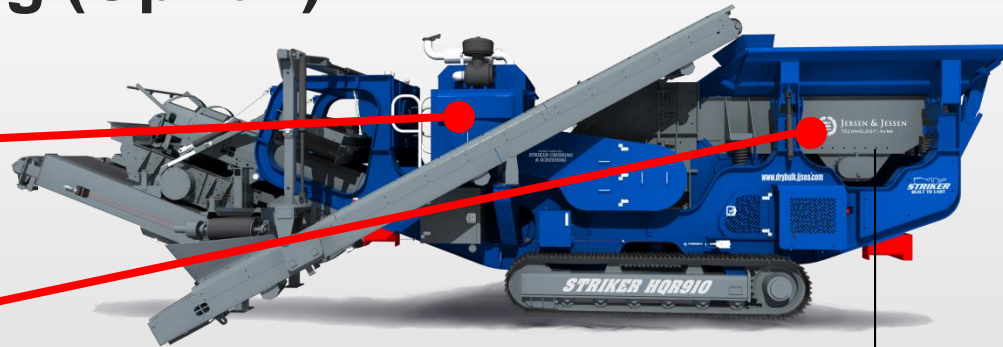
- Engine (start/stop/speed)
- Crusher (start/stop)
- Optional side conveyor (start/stop)
- Feeder (start/stop/speed) controls, located on the side of the plant



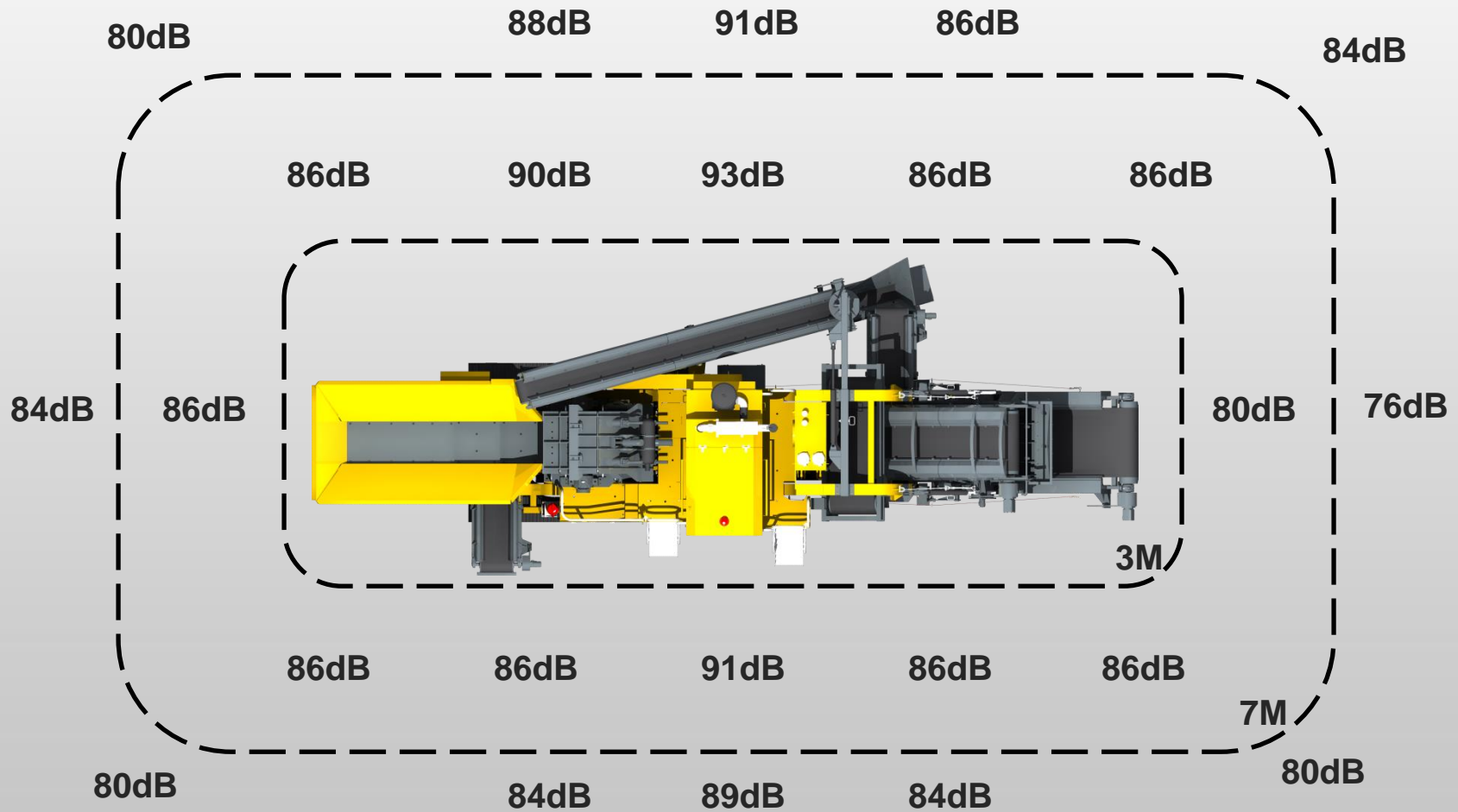
Custom Branding (Option)

Custom paint

Custom logo on machine



Sound Levels



Selling Features Summary

Strong, reliable, robust heavy duty body designed & engineered web & flange chassis, fully welded & fabricated from high grade steel to withstand the rigors of operation & transportation

Hydraulically folding feed hopper wings fabricated from wear resistant steel including hydraulically powered locking system

Self cleaning stepped grizzly with vibrating twin shaft exciter

Heavy duty crusher design with fully hydraulic adjustable setting and optional under-crusher deflector plate

CATERPILLAR® engine as standard, compliant to industry regulations

Heavy duty tracks suitable for any environment

Extra wide product conveyor with full length rubber side skirts utilising wear resistant steel clamp plates

Maximised discharged height for product stockpiling

Height adjustable, overboard magnetic separator

Two hydraulic oil coolers fitted as standard for maximum productivity in warmer climates

Water spray system fitted to the forward product conveyor and jaw opening