

Value for Success

Vision: to be the preferred global partner in Mobile material processing equipment.

Mission: to drive Mobile material processing equipment to be more sustainable, efficient and economical.

Powertrack® Mobile Crushing & Screening Units



Powertrack Machinery (Jiangsu) Co., Ltd. Part of Metso Group

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Powertrack in brief

Pioneering Green Crushing & Screening Solutions

Founded in November 2023, Powertrack Machinery (Jiangsu) Co., Ltd. is located in Changzhou City, Jiangsu Province, China, which is a famous intelligent manufacturing city in the Yangtze River Delta, covering an area of 12,355 square meters.

As a bright new star of Metso Group, Powertrack adheres to sustainable development strategy. The company specializes in product solution and services of plug-in and hybrid track-mounted mobile crushing and screening units, providing efficient and environmentally friendly solutions for aggregate production, construction, concrete recycling and demolition waste treatment.

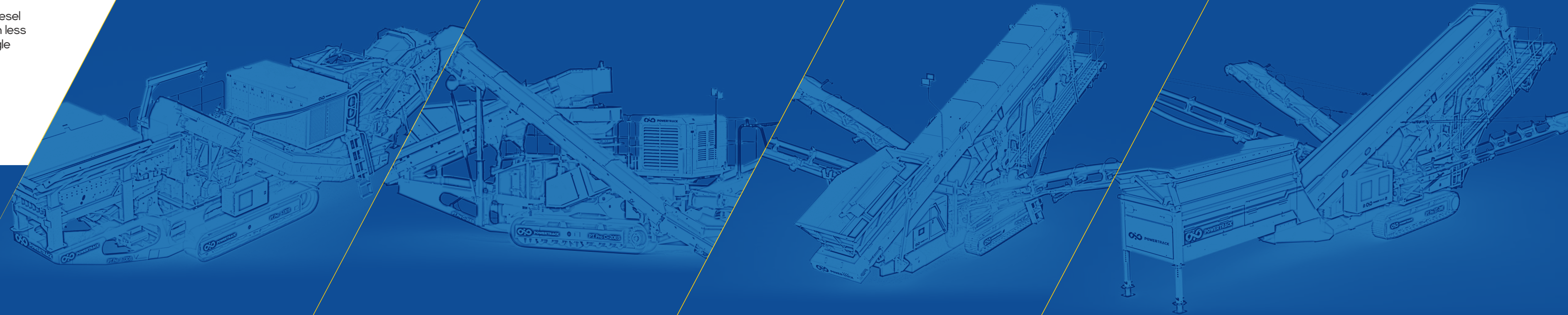
Our innovative solutions combine performance efficiency, sustainability and economy; collaborative domestic and global teams work closely with industry-leading strategic partners. Powertrack is committed to building excellent equipment, promptly and superior after-sales service, as well as technical support to ensure customers' long-term competitiveness and maximize the value of their investment.

Reasons to choose e-power Powertrack

E-power offers quiet, emission-free and economical advantages, even in cities with the strictest regulations. With e-power, you can get reliability, stability and safety at high capacity. Moreover, it's even easier to operate and maintain with less service. Electricity by diesel power is more flexible for operation in the remote areas and enables to produce at anywhere and anytime.

All material processing functions of Powertrack crushers and screens can be powered by electricity.

For plug-in models, electricity can be supplied by power grid or external generator. For dual power models, electricity can be provided by onboard diesel generator or by power grid. Either way, it's more economical to operate with less pollution. A mobile train combining different units can be powered by a single genset, making it more profitable!



MOBILITY

PRODUCTIVITY

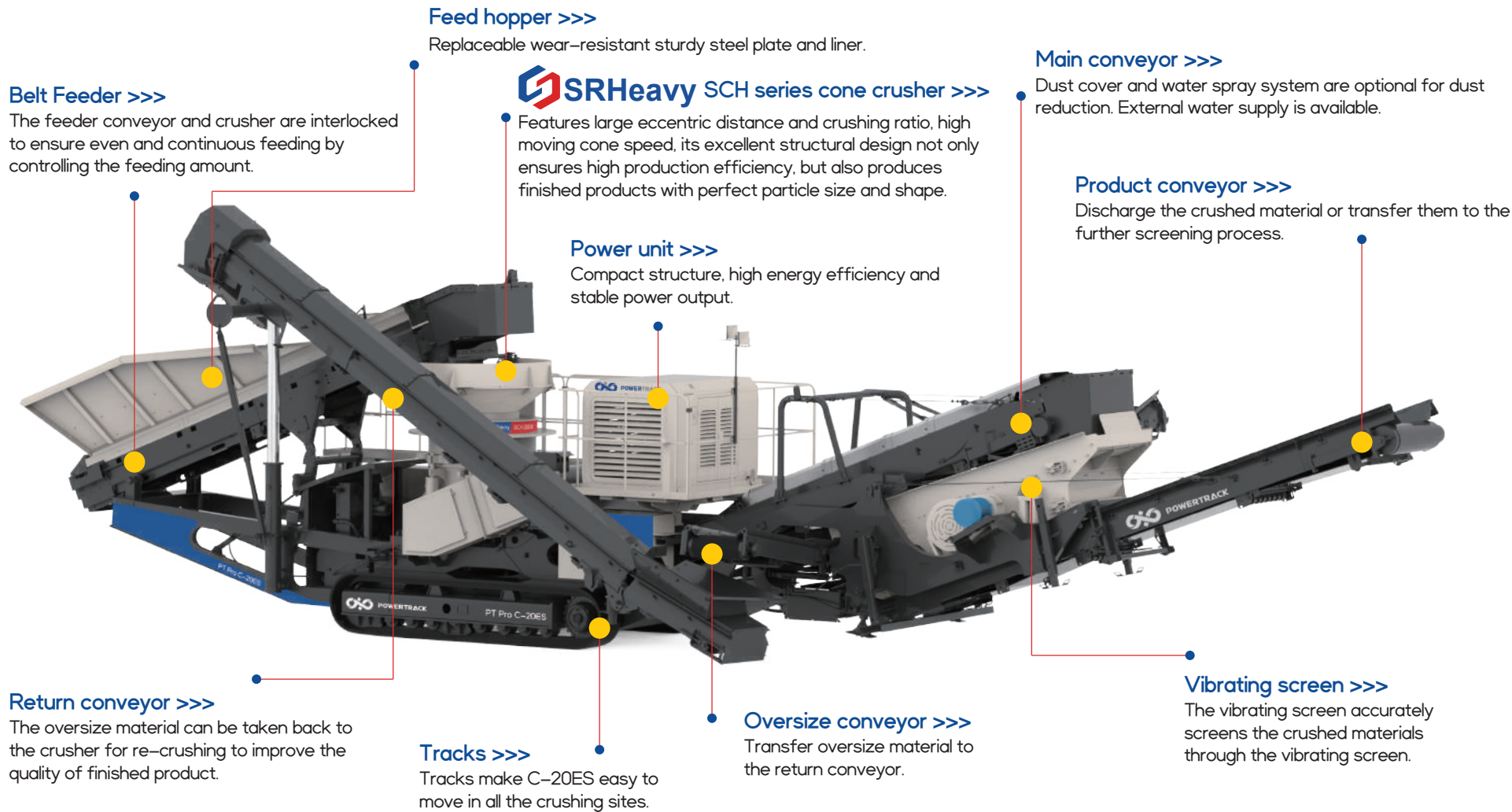
STABILITY

PROFITABILITY

Powertrack PT Pro C-20ES
Mobile cone crushing unit

Used for secondary and tertiary crushing on multi-stage applications

Powertrack PT Pro C-20ES is suitable for secondary and tertiary crushing. It adopts the SCH2000 cone crusher that provides high production, high crushing ratio and high-quality aggregates. The proven design ensures machine reliability and is easy to maintain. Electric driven crushing system greatly reduces operational cost. Combined with Powertrack jaw crushing unit, it is an ideal choice for crushing medium to high hardness natural stone into aggregate.



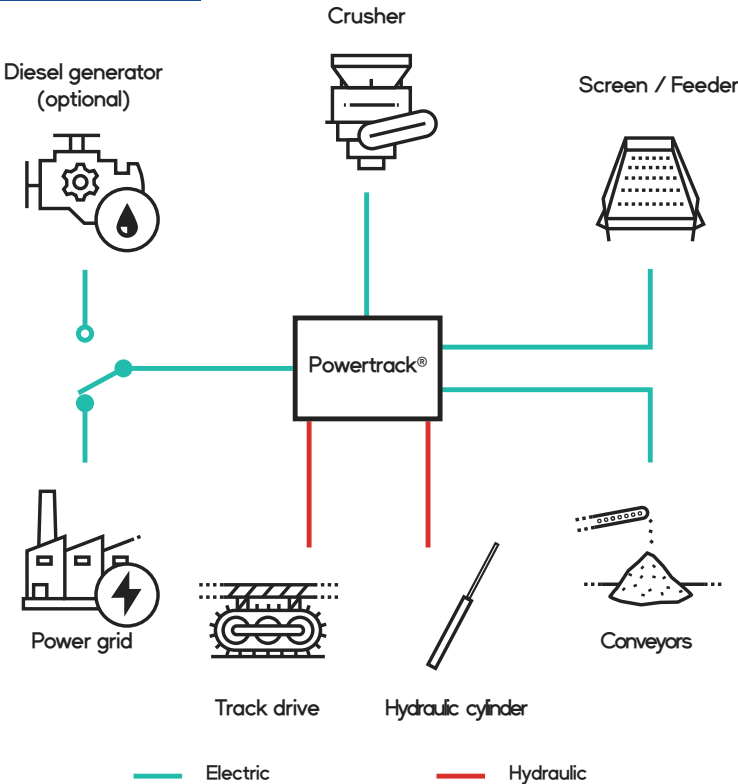
Technical specifications

General information >>>		
Capacity	150 – 250 t/h	165 – 276 St/h
Power*	218 kW/246 kW	292 hp / 330 hp
Transportation dimensions* L x W x H	C-20E: 17 000 x 3 450 x 3 700 mm C-20ES: 17 150 x 3 450 x 3 700 mm	C-20E: 55'8" x 11'3" x 12'2" C-20ES: 56'3" x 11'3" x 12'2"
Working dimensions* L x W x H	C-20E: 16 000 x 4 000 x 4 600 mm C-20ES: 20 000 x 12 400 x 5 600 mm	C-20E: 52'6" x 13'2" x 15'2" C-20ES: 65'6" x 40'7" x 18'4"
Weight*	33 000 kg / 47 000 kg	72 750 lbs / 103 617 lbs
Cone crusher >>>		
Maximum recommended feed size	185 mm	7.3"
Power	132 kW / 160 kW (optional)	177 hp / 214 hp (optional)
Belt feeder >>>		
Width	2 400 mm	7'10"
Hopper volume	5 m ³	6.5 yd ³
Loading height	2 800 mm	9'2"
Loading width	2 400 mm	7'10"
Main conveyor >>>		
Length	9 800 mm	32'2"
Width	1 000 mm	40"
Discharge height	2 200 mm	7'3"
Vibrating screen (optional) >>>		
Decks	2	2
Size	3 000 x 1 500 mm	9'10" x 4'11"
Stroke	7 – 12 mm	0.3" – 0.5"
Product conveyor (optional) >>>		
Length	7 100 mm	23'4"
Width	1 200 mm	48"
Discharge height	3 200 mm	10'6"
Mid-size product conveyor (optional) >>>		
Length	9 400 mm	30'10"
Width	650 mm	26"
Discharge height	2 400 mm	7'10"
Return conveyor (optional) >>>		
Length	10 600 mm	34'9"
Width	500 mm	20"
Discharge height	3 800 mm	12'6"
Power unit >>>		
Model	Cummins F3.8 Stage V	
Power	115 kW	154 hp
Options >>>		
Interlocking cable	Dust cover	
Wireless remote control	Working light mast LED	
High pressure water pump (water spaying pipes and nozzles pre-equipped as standard)	Screen unit module (including return, oversize, side and product conveyors)	

*Including screening unit



Electric power / plug-in mode



Applications >>>

Widely used in mining or construction materials fields. Suitable for crushing medium-high hardness ores and rocks, such as quartz stone, granite, basalt, iron ore, copper ore, etc.

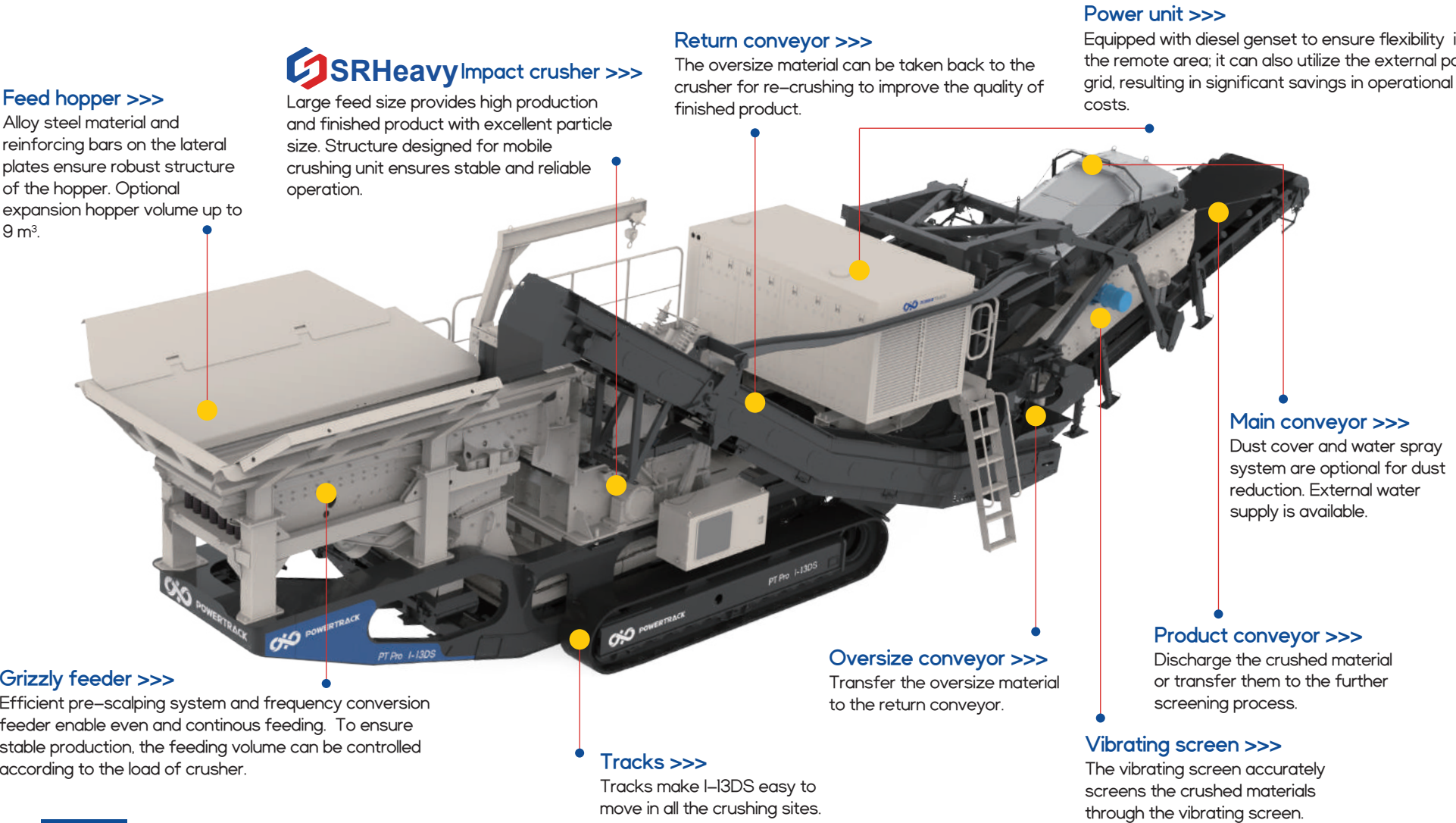
Combine with >>>

PT Pro J-IIIE mobile jaw crushing unit
PT Pro ST-08E mobile screening unit
PT Pro SC-08E mobile screening unit

Powertrack PT Pro I-13DS
Mobile impact crushing unit

Suitable for the primary, secondary or fine crushing of all medium to low abrasive materials

Powertrack PT Pro I-13DS is commonly used for recycling and is also the best choice for crushing natural stone with medium to low abrasiveness. Due to its high crushing ratio, it is often used as an independent unit to produce high-quality finished aggregates. Thanks to the hybrid design, it can be connected to the external power grid to drive the crushing system, resulting in zero emission and operational costs reduction; it can also be powered by the onboard genset.



Feed hopper >>> Alloy steel material and reinforcing bars on the lateral plates ensure robust structure of the hopper. Optional expansion hopper volume up to 9 m³.

SR Heavy Impact crusher >>> Large feed size provides high production and finished product with excellent particle size. Structure designed for mobile crushing unit ensures stable and reliable operation.

Return conveyor >>> The oversize material can be taken back to the crusher for re-crushing to improve the quality of finished product.

Power unit >>> Equipped with diesel genset to ensure flexibility in the remote area; it can also utilize the external power grid, resulting in significant savings in operational costs.

Main conveyor >>> Dust cover and water spray system are optional for dust reduction. External water supply is available.

Grizzly feeder >>> Efficient pre-scalping system and frequency conversion feeder enable even and continuous feeding. To ensure stable production, the feeding volume can be controlled according to the load of crusher.

Oversize conveyor >>> Transfer the oversize material to the return conveyor.

Tracks >>> Tracks make I-13DS easy to move in all the crushing sites.

Product conveyor >>> Discharge the crushed material or transfer them to the further screening process.

Vibrating screen >>> The vibrating screen accurately screens the crushed materials through the vibrating screen.

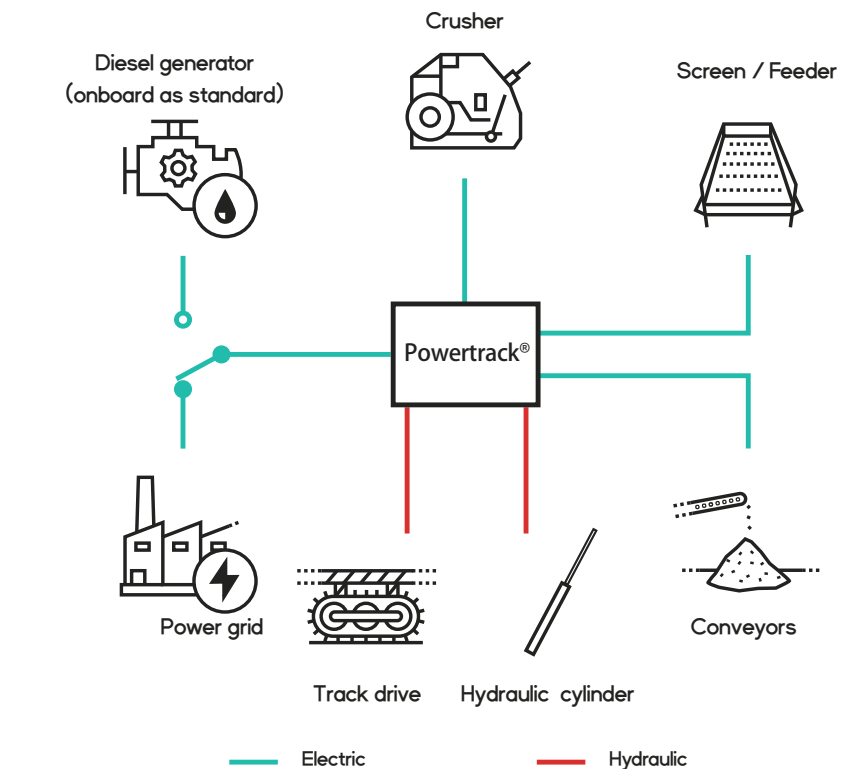
Technical specifications

General information >>>		
Capacity	150-400 t/h	165-441 St/h
Power*	315kW	422 hp
Transportation dimensions*	I-13D: 16 000 x 3 300 x 3 700 mm	I-13D: 52'6" x 10'11" x 12'4"
L x W x H	I-13DS: 19 100 x 3 500 x 3 750 mm	I-13DS: 62'8" x 11'5" x 12'2"
Working dimensions*	I-13D: 16 000 x 5 050 x 4 060 mm	I-13D: 52'6" x 16'7" x 13'4"
L x W x H	I-13DS: 19 100 x 5 300 x 4 900 mm	I-13DS: 62'8" x 17'4" x 16'1"
Weight*	59 000 kg	130 073 lb
Impact crusher >>>		
Feed opening	1 330 x 800 mm	4'4" x 2'7"
Maximum recommended feed size	600 mm	23'6"
Power	250 kW	335 hp
Feed hopper >>>		
Hopper volume	6 / 9 m³	7.8 / 11.8 yd³
Loading height	3 800 mm	38'5"
Loading width	3 600 mm	3'11"
Pre-scalping unit		
Decks	2	
Main conveyor >>>		
Length	11 700 mm	38'5"
Width	1 200 mm	48"
Discharge height	3 100 mm	10'2"
Vibrating screen (optional) >>>		
Decks	1	
Size	3 600 x 1 600 mm	11'10" x 5'3"
Surface	5.8 m²	6.9 yd²
Stroke	7 - 9 mm	0.3" - 0.4"
Product conveyor (optional) >>>		
Length	6 200 mm	20'4"
Width	1 200 mm	48"
Discharge height	3 300 mm	10'10"
Side conveyor (optional) >>>		
Length	3 900 mm	12'8"
Width	500 mm	19.7"
Discharge height	1 600 mm	5'3"
Return conveyor (optional) >>>		
Length	8 800 mm	28'10"
Width	500 mm	20"
Discharge height	4 100 mm	13'5"
Power unit >>>		
Model	SCANIA DC13-505A Stage V	
Power	355 kW	476 hp
Options >>>		
Screen unit module (including return, oversize and product conveyors)	High pressure water pump (water spaying pipes and nozzles pre-equipped as standard)	
Magnetic separator	Wireless remote control	
Feed hopper extensions	Working light mast led	
Dust cover	Side conveyor	

*Including screening unit



Dual power / hybrid model



Applications >>> Commonly used in the crushing of the medium to low abrasive materials such as concrete, asphalt, construction waste, slag or limestone, coal, bluestone, shale, etc.

Combine with >>> PT Pro J-11E mobile jaw crushing unit
PT Pro ST- 08E mobile screening unit
PT Pro SC- 08E mobile screening unit

Powertrack PT Pro ST-08E
Mobile screening unit

Designed for screening crushed rock, as well as sand and gravel, etc.

Powertrack PT Pro ST-08E features a convenient screen design. Depending on the properties of the materials being screened, a wide range of screen media can be selected to control the final product granularity, ensuring efficient material screening. All conveyors can be hydraulically folded for easy transportation. PT Pro ST-08E is commonly used in combination with other mobile crushing units or operating as a stand alone unit for screening applications.

Top deck side conveyor >>>

This conveyor can be used either in open circuit to produce a final fraction directly or in close circuit configuration with mobile crusher to send back to the previous crusher oversize fraction from top deck.

Lifting conveyor >>>

The conveyor is equipped with spreader plate to distribute even material flow on the screen. The discharge section can be hydraulically raised for screen meshes replacement and maintenance.

Service platform >>>

Safer and more convenient daily maintenance.

Product conveyor >>>

Extra wide belt and large discharge height. The head can be folded for easy transportation.

Bottom deck side conveyor >>>

Foldable for easy transportation.

Feed hopper >>>

The tipping grid can remove large materials before screening. Variable frequency feeding device is interlocked with the previous crusher to ensure even and continuous feeding.

Power unit >>>

Power the tracks and the hydraulic cylinders for fold-unfold operation. Connected with external power supply, the electric driven screening process saves operational costs significantly.

Tracks >>>

Tracks make ST-08E easy to move in all the sites.

SRHeavy SS series vibrating screen >>>

Process up to four different types of materials with standard three-deck screen. Large screening area of 8.4 m². Flexible adjustment of screening angle ensures excellent screening capability for different applications. Electric driven screening unit saves operational costs significantly.

Technical specifications

General information >>>

Capacity	150 – 500 t/h	165 – 551 St/h
Power	60 kW	80 hp
Transportation dimensions L x W x H	18 000 x 3 150 x 3 650 mm	59' x 10'4" x 12'
Working dimensions L x W x H	18 800 x 15 900 x 6 200 mm	61'6" x 52'2" x 20'3"
Weight	32 000 kg	70 547 lb

Vibrating screen >>>

Maximum recommended feed size	150 mm	5.9"
Size	5 480 x 1 520 mm	17'11" x 5'
Screening area	8.4 m²	10 yd²
Decks	3	3
Stroke	8 – 10 mm	0.3" – 0.4"
Power	15 kW	20 hp

Feeder >>>

Type	Belt feeder with tipping grid (optional)	
Hopper Volume	7.5 m³	9.8 yd³
Loading height (w. / w.o. tipping grid)	2 500 mm / 3 400 mm	8'2" / 11'1"
Loading width	4 700 mm	15'3"

Lifting conveyor >>>

Length	11 200 mm	36'9"
Width	1 050 mm	42"

Top deck side conveyor >>>

Length	10 000 mm	32'10"
Width	650 mm	26"
Discharge height*	4 800 / 5 300 mm	15'7" / 17'5"

*Adjustable discharge height

Middle / bottom deck side conveyor >>>

Length	7 600 mm	24'11"
Width	800 mm	32"
Discharge height	3 900 mm	12'8"

Product conveyor >>>

Length	7 900 mm	25'11"
Width	1 200 mm	48"
Discharge height	4 100 mm	13'5"

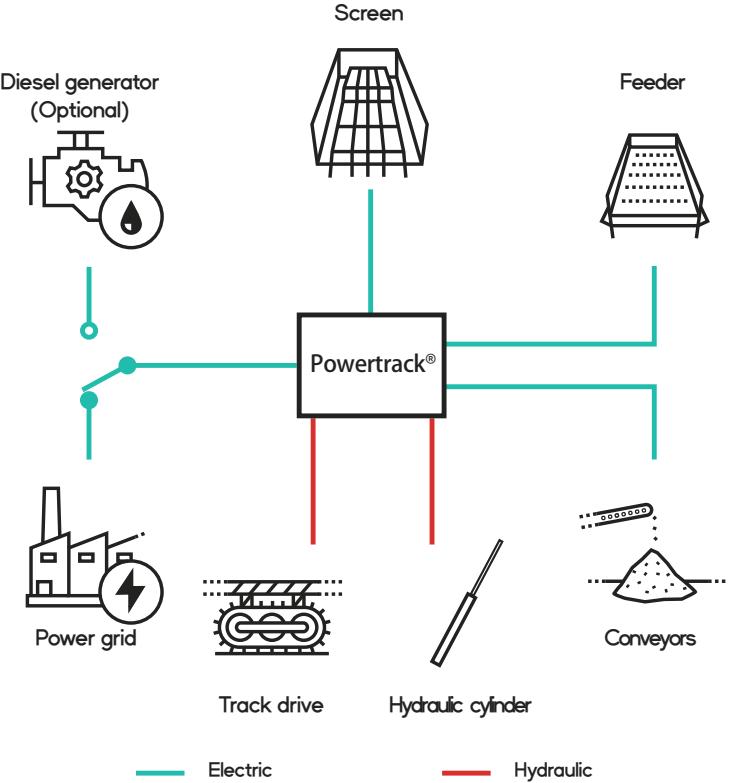
Power unit >>>

Model	Cummins F3.8 Stage V	
Power	115 kW	154 hp

Options >>>

Remote control	High pressure water pump (water spaying pipes and nozzles pre-equipped as standard)	
Dust cover	Working light mast led	

Electric power / plug-in mode



Applications >>>

It is widely used for screening crushed aggregates in fields such as mining, construction materials and waste recycling in conjunction with mobile crushing units as well as a stand-alone screening unit.

Combine with >>>

PT Pro J-IIIE mobile jaw crushing unit
PT Pro C-20ES mobile cone crushing unit
PT Pro I-13DS mobile impact crushing unit

Powertrack PT Pro SC-08E

Mobile screening unit

Designed for screening crushed rock, as well as sand and gravel etc.

The Powertrack PT Pro SC-08E series mobile screening unit features a convenient screen design. Depending on the properties of the materials being screened, a wide range of screen media can be selected to control the final product granularity, ensuring efficient material screening. All conveyors can be hydraulically folded for easy transportation. PT Pro SC-08E is commonly used in combination with mobile crushing units.

Top deck side conveyor >>>

This conveyor can be used either in open circuit to produce a final fraction directly or in close circuit configuration with mobile crusher to send back to the previous crusher oversize fraction from top deck.

Bottom deck side conveyor >>>

Foldable for easy transportation.

Lifting conveyor / Belt feeder >>>

The belt feeder is controlled by variable frequency to achieve even feeding.

Service platform >>>

Safer and more convenient daily maintenance.

Feed hopper >>>

The feeding chute is made of high-strength structural steel which is sturdy and durable. The distribution plate inside the hopper can reduce the impact of materials dropping directly on the lifting belt and improve the belt life.

Power unit >>>

Power the tracks and the hydraulic cylinders for fold-unfold operation. Connected with external power supply, the electric driven screening process saves operational costs significantly.

Middle deck side conveyor >>>

Foldable with hydraulic driven for easy transportation.

Tracks >>>

Tracks make SC-08E easy to move in all the sites.

SRHeavy SS series vibrating screen >>>

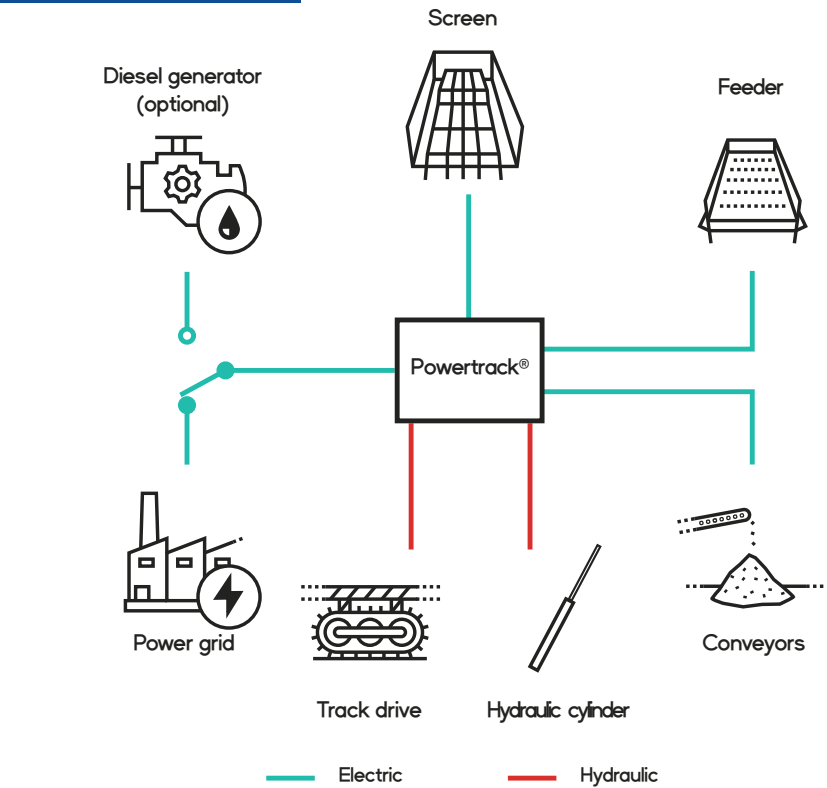
Process up to four different types of materials with standard three-deck screen. Large screening area of 8.4 m². Flexible adjustment of screening angle ensures excellent screening capability for different applications. Electric driven screening unit saves operational costs significantly.

Technical specifications

General information >>>		
Capacity	150-500 t/h	165 - 551 St/h
Power	46 kW	62 hp
Transportation dimensions L x W x H	15 000 x 3 200 x 3 700 mm	49'2" x 10'6" x 12'1"
Working dimensions L x W x H	14 300 x 13 200 x 5 800 mm	46'11" x 43'4" x 19'1"
Weight	30 000 kg	66 139 lb
Vibrating screen >>>		
Maximum recommended feed size	150 mm	6"
Size	5 480 x 1 520 mm	17'11" x 5'
Screening area	8.4 m ²	10 yd ²
Decks	3	3
Stroke	8 - 10 mm	0.3" - 0.4"
Power	2 x 5.5 kW	2 x 7.4 hp
Belt feeder >>>		
Volume	4.2 m ³	5.6 yd ³
Loading height	2 200 mm	7'1"
Loading width	2 000 mm	6'5"
Length	11 300 mm	36'11"
Width	1 100 mm	43.3"
Top deck side conveyor >>>		
Length	7 700 mm	25'
Width	650 mm	26"
Discharge height	4 100 mm	13'5"
Middle / bottom deck side conveyor >>>		
Length	7 600 mm	24'11"
Width	800 mm	32"
Discharge height	4 000 mm	13'2"
Product conveyor (under screen) >>>		
Length	7 000 mm	22'12"
Width	1 200 mm	48"
Discharge height	3 300 mm	10'10"
Power unit >>>		
Model	Cummins F3.8 Stage V	
Power	115 kW	154 hp
Options >>>		
Wireless remote control	High pressure water pump (water spaying pipes and nozzles pre-equipped as standard)	
Dust cover	Working light mast led	



Electric power / plug-in model



Applications >>>

It is widely used for screening crushed aggregates in fields such as mining, construction materials and waste recycling in conjunction with mobile crushing units.

Combine with >>>

PT Pro J-IIIE mobile jaw crushing unit.
PT Pro C-20ES mobile cone crushing unit
PT Pro I-I3DS mobile impact crushing unit

Powertrack PT Pro SP-08D

Mobile scalping screening unit

Suitable for mining, construction waste materials and aggregate screening.

Powertrack PT Pro SP-08D is the heavy-duty scalping screening unit that can work alone or in conjunction with primary crushing unit. It is widely used in prescreening of feed with many fines like topsoil, earthwork, recycled waste, river gravel and slag, etc. and also effectively in scalping sticky recycling material. PT Pro SP-08D can be driven by dual power – external power grid or onboard genset, making it flexible to deal with different operating conditions.

Feeder >>>

Feed chute is made of high-strength and abrasion resistant steel. Standard apron feeder ensures stable feeding of coarse material. Belt feeder is optional.

SRHeavy Vibrating screen >>>

High stroke for efficient separation in sticky material. Double screen decks with the same screening area ensures screening efficiency. Various selection of versatile screen media to meet different working conditions.

Fines conveyor >>>

Chevron belt conveyor with higher discharge height. Foldable for easy transportation.

Service platform >>>

Safer and more convenient daily maintenance.

Tracks >>>

Tracks make SP-08D easy to move at sites.

Midsize conveyor >>>

Chevron belt conveyor with higher discharge height. Foldable for easy transportation.

Power unit >>>

Dual-power technology – flexible switching between diesel or plug-in electric operating modes, resulting in significant savings in operating costs.

SRHeavy Vibrating screen >>>

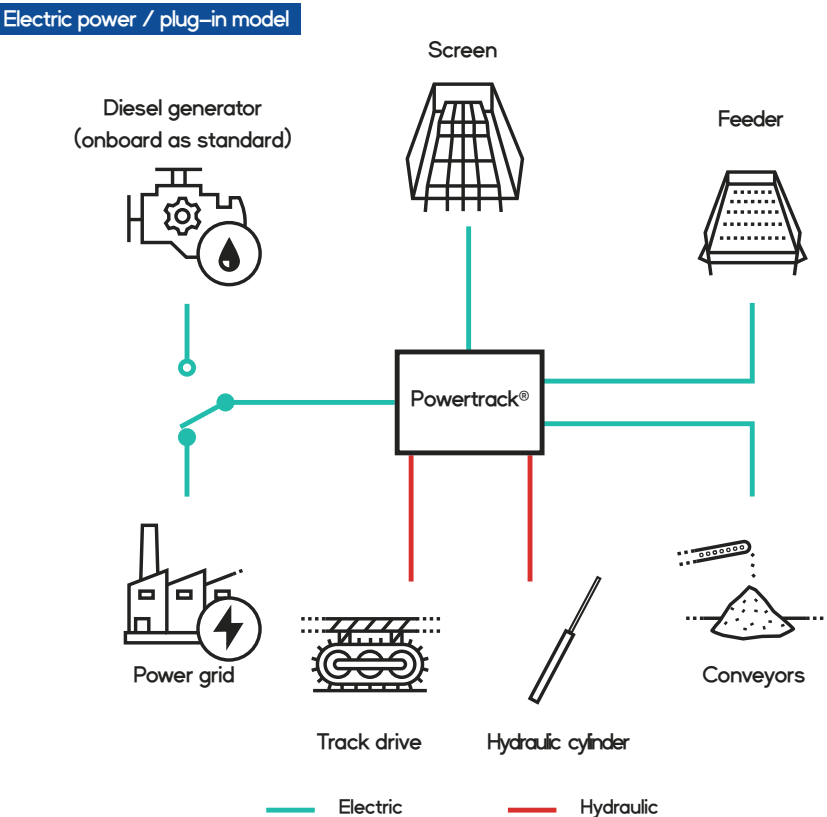
High stroke for efficient separation in sticky material. Double screen decks with the same screening area ensures screening efficiency. Various selection of versatile screen media to meet different working conditions.

Over-size conveyor >>>

Ultra-wide chevron belt conveyor ensures continuous conveying over-size material and maximizes the discharge height.

Technical specifications

General information >>>		
Capacity	150–500 t/h	165–551 t/h
Power	62 kW	83 hp
Transportation dimensions L x W x H	15 850 x 3 450 x 3 750 mm	52' x 11'3" x 12'3"
Working dimensions L x W x H	14 800 x 15 200 x 4 700 mm	48'6" x 50' x 15'5"
Weight	32 000 kg	70 547 lb
Screen >>>		
Maximum recommended feed size	600 mm (Apron feeder)/400 mm (Belt feeder)	24" (Apron feeder)/16" (Belt feeder)
Size	4 870 x 1 520 mm	16'x5'
Screening area	7.4 m²	8.9 yd²
Decks	2	2
Stroke	7–15 mm	0.3"–0.6"
Power	15 kW	20 hp
Feeder >>>		
Type	Apron feeder/Belt feeder (Optional)	Apron feeder/Belt feeder (Optional)
Hopper Volume	5.5 m³	7.2 yd³
Loading height	4 070 mm/3 700mm (Backwall removed)	13'4"/12'2" (Backwall removed)
Loading width	3 200 mm	10'5"
Over-size conveyor >>>		
Length	5 000 mm	16'4"
Width	1 200 mm	4'
Discharge height	3 200 mm	10'5"
Midsize conveyor >>>		
Length	8 600 mm	28'3"
Width	800 mm	32"
Discharge height	4 000 mm	13'2"
Fines conveyor >>>		
Length	8 600 mm	28'3"
Width	800 mm	32"
Discharge height	4 200 mm	13'8"
Power unit >>>		
Model	Cummins F3.8 Stage V	
Power	97 kW	131 hp



Applications >>>

It can work independently or in conjunction with mobile crushing unit, widely used for screening in fields of mining, aggregate, recycling, etc.

Combine with >>>

PT Pro J-IIE mobile jaw crushing unit
PT Pro I-I3DS mobile impact crushing unit

SRHeavy Crusher

Each Powertrack PT Pro crushing unit is equipped with a SRHeavy® crusher, which provides reliable and stable performance. It can be flexibly adjusted according to customer demands to produce high-quality aggregates, creating remarkable economic benefits for customers.

As a wholly-owned subsidiary of Metso, Shaorui Heavy Industries has 30 years of experience in the design and production of crusher and screen. Experienced engineers and design teams, combined with advanced professional industry knowledge and effective tools, produce crusher and screen with longer life and better efficiency.

Jaw Crusher



The SRHeavy® SJC series of crushers provide outstanding reliability and productivity even in the harshest working conditions.

01

Optimal nip angle, feed opening and performance >>>

03

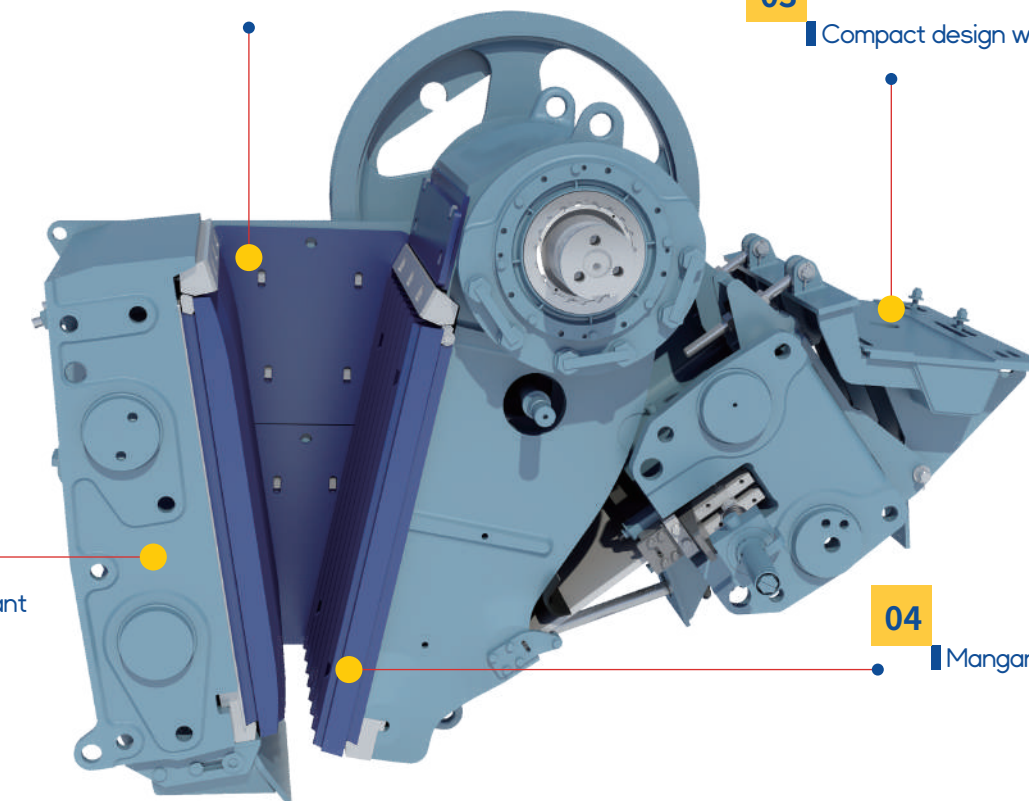
Compact design with integral motor support >>>

02

Bolted frame fatigue-resistant design, no weldings >>>

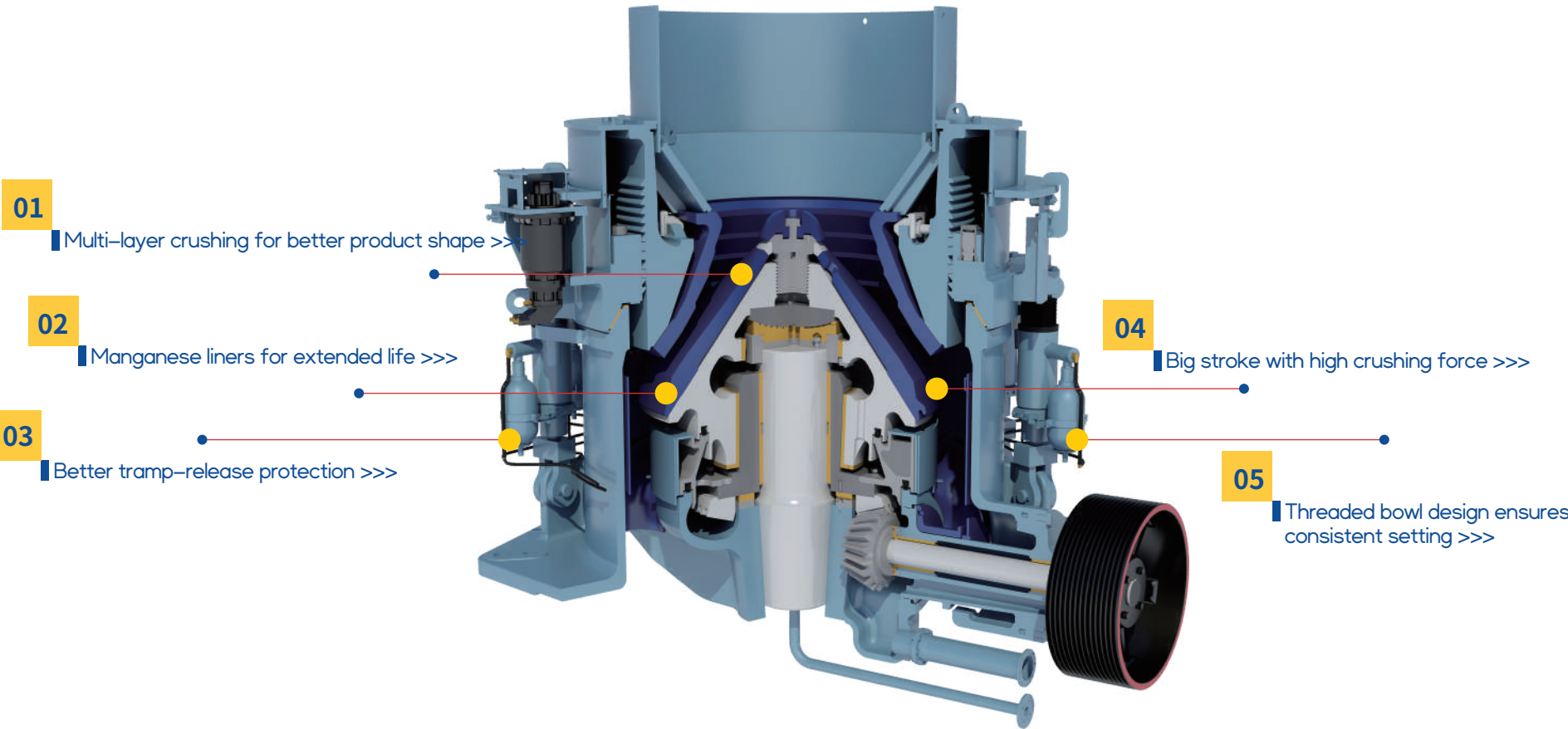
04

Manganese jaw plates for extended life >>>



Hydraulic Cone Crusher

The SRHeavy® SCH2000 crusher is based on a classic design concept, with an excellent structure that not only ensures high productivity, but is also easy and safe to operate and maintain.



Horizontal Shaft Impactor

The crusher utilizes the SRHeavy® SFI213M, designed for mobile crushing unit, which allows for larger feed sizes and ensures higher productivity.

