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DEVELOPING
**SOUTH
AFRICA**



Catalog smart ACE



Detailed Guide of ACE Crusher Plants



Mobile Jaw Crusher / Mobile Cone Crusher / Sand
Making Machine / Screening Machine / Mobile Impact
Crusher



REPAIR HOLDINGS (PTY) LTD

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Company Profile



RH Construction Machinery is a subsidiary of Repair Holdings (PTY) LTD, a South African company. Partnered with the Asian Construction Equipment Group (ACE), a leading Chinese manufacturer, we are poised to revolutionize the construction machinery industry in South Africa and the SADC region. ACE is a professional enterprise of research and development, and production of mobile crushing equipment with advanced technological advantages. The company is located in the Jinshui District of Zhengzhou City, Henan Province, which is one of the top 100 districts in China. The total area of the company is 20,000 square meters, the registered capital is 26.8 million yuan.

Since its establishment, the company has been engaged in the research and development, production, sales, installation, rental and maintenance of mechanical and environmentally friendly equipment. The company has developed various types of crushing equipment, such as XC series crawler mobile crushing equipment and stationary crushing, screening, sandblasting, impacting, loading and conveying equipment, which covers the current working conditions and operating environment of the market. These products help users realize efficient crushing in mining, civil engineering, road construction, earthmoving, urban infrastructure construction, cement concrete and construction waste disposal.

The company adheres to the business philosophy of "Quality creates value, honesty creates the future", insisting on the application of digital and intelligent technologies in the design and production process.

We are committed to providing 100% customer-satisfactory after-sales service in terms of speed, methods and quality, truly fulfilling the slogan "I care, you trust!"





Asian Construction Equipment Group leads the new mobile crushing equipment industry! Following the concept of innovation, we are actively exploring ways to serve our customers so that they can receive more intimate service. The new mobile crushing plant is no longer the stationary sand factory of the past and no longer a simple corporate contract system. The future must be a mobile development system. Only with mobile crushing plants will there be advantages and better control systems. We want to lead the new future of mobile crushing equipment with proactive and innovative services! We set the highest standard for strength and durability in mobile crushing equipment! Users are not only buyers of mobile crushing equipment but also offer and control the quality of our products. We not only provide services but also be friends that users can trust. We believe that good quality will be our next cooperation.

ACE Customer Service

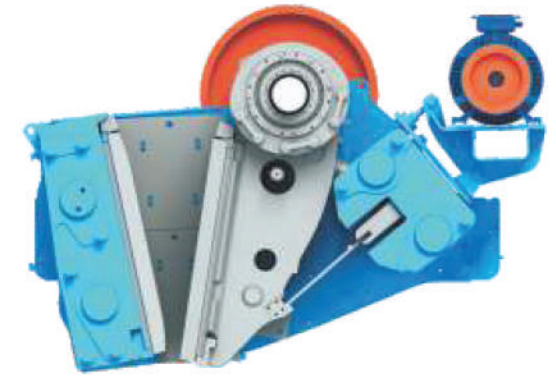




AMJ750 crawler mobile jaw crusher



3D image of jaw crusher



Cross section of the jaw crusher

Advantages and features of crawler mobile jaw crusher

Superior jaw crusher

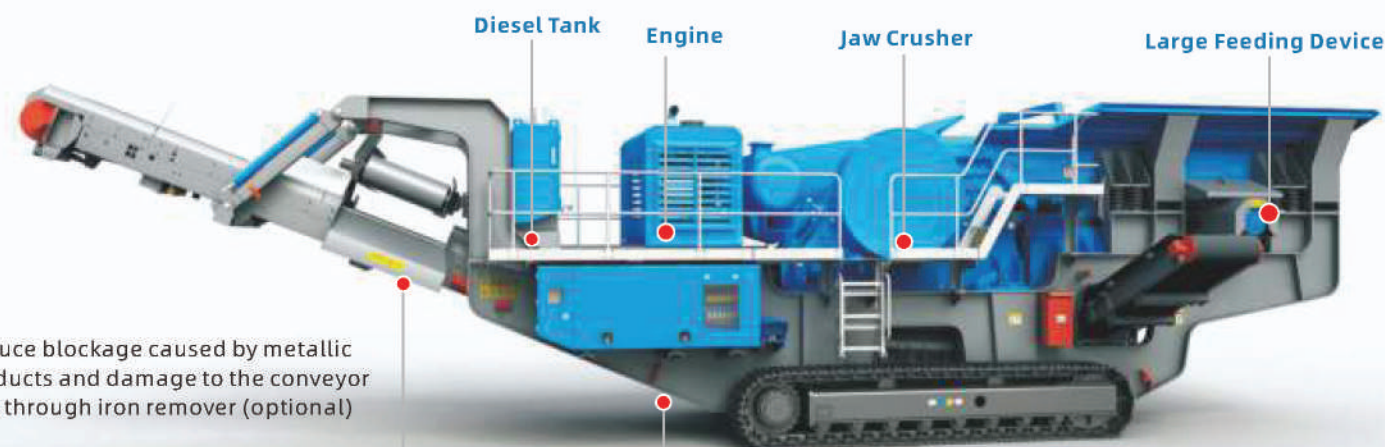
Long service life, high fatigue resistance and increased impact resistance. Unique cavity design provides high-grinding ratio, high productivity and low energy consumption.

Key features

Suitable for semi-hard and highly corrosive stones, with a small crushing ratio, but prone to the formation of needle-shaped crushed materials.

Easy to move

Easy to transport, with wireless remote control capability and quick to move to site, with good maneuverability and adaptability to various difficult construction conditions, such as hilly and uneven terrain.



Reduce blockage caused by metallic products and damage to the conveyor belt through iron remover (optional)

Through the control box, it is easy to operate and fault diagnosis is fast and convenient.

Parameters of AMJ750 Mobile Jaw Crusher



Item	Name	AMJ750	
Dimensions	Length	15140mm	
	Width	3061mm	
	Height	3726mm	
Feeding Hopper	Input Size	1060×700mm	
	Volume	6m ³	
	Feeding Height	3735mm	
Power Unit	Discharge Height	3300mm	
	Engine	Cummins	
	Control System	Wireless Remote/Siemens	
	Brand	Schneider	
Driving Type	Oil-electric	Power	142KW
		Weight	≈47t

Note:

1. The performance of a crusher is closely related to stone hardness, feed size and output size.
2. Standard configuration: manual control, dust extraction sprinkler systems, wireless remote control, automatic feeding system.
3. Optional configuration: side folding conveyor, magnetic separator.
4. Due to the continuous updating of our company's technology, specifications are subject to change without prior notice. Specific parameters depend on the actual product.

700
Max.input size (mm)

130-500
Capacity (t/h)

142
Power (kW)

AMJ870 Crawler mobile jaw crusher



Advantages and characteristics

Superior jaw crusher

Long service life, high fatigue resistance and increased impact resistance. Unique cavity design ensures high-grinding ratio, high productivity and low energy consumption.

Key features

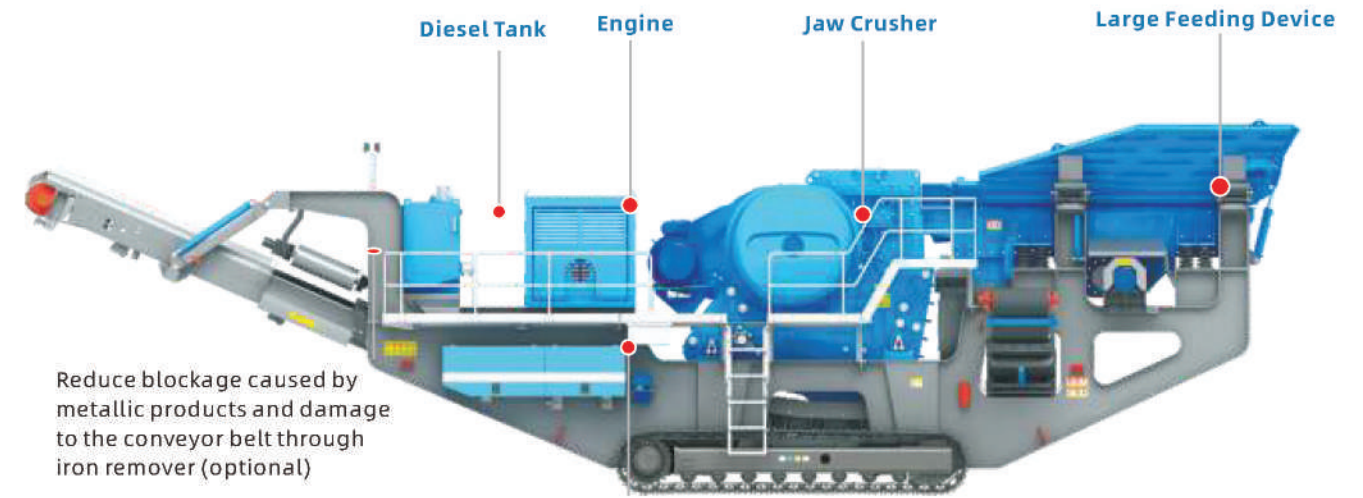
Suitable for semi-hard and highly corrosive stones, with a small crushing ratio, but prone to the formation of needle-shaped crushed materials.

Easy to move

Easy to transport, with wireless remote control capability and quick to move to site, with good maneuverability and adaptability to various difficult construction conditions, such as hilly and uneven terrain.



Crawler mobile jaw crusher



Reduce blockage caused by metallic products and damage to the conveyor belt through iron remover (optional)

Through the control box, it is easy to operate and fault diagnosis is fast and convenient.



Parameters of mobile jaw crusher AMJ870

Item	Name	AMJ870	
Dimensions	Length	16600mm	
	Width	3486mm	
	Height	3880mm	
Feeding Hopper	Input Size	1200×870mm	
	Volume	7.5m ³	
	Feeding Height	4500mm	
Power Unit	Discharge Height	3850mm	
	Engine	Cummins	
	Control System	Wireless Remote/Siemens	
	Brand	Schneider	
Driving Type	Oil-electric	Power	199.5kW
		Weight	≈67t

Note:

1. The performance of a crusher is closely related to stone hardness, feed size and output size.
2. Standard configuration: manual control, dust extraction sprinkler systems, wireless remote control, automatic feeding system.
3. Optional configuration: side folding conveyor, magnetic separator.
4. Due to the continuous updating of our company's technology, specifications are subject to change without prior notice. Specific parameters depend on the actual product.

800

Max.input size (mm)

180-540

Capacity (t/h)

199.5

Power (kW)



Advantages and characteristics

Superior cone crusher

According to the crushing principle of the material layer and the wear characteristics of the cavity wall, the cavity design is curved, which can guarantee high capacity, high product quality and low wear cost.

Key features

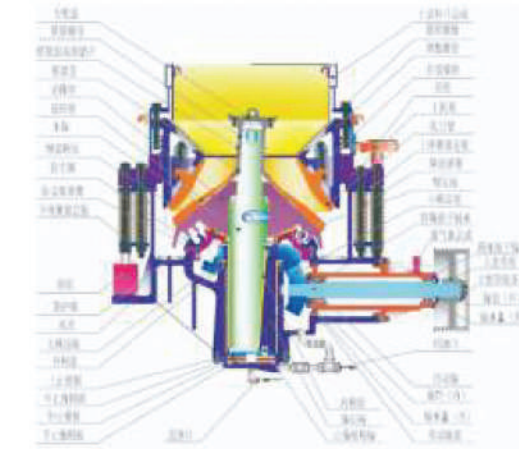
Suitable for medium to high hardness and high corrosion resistance stones. The crushing ratio is small and the shape of crushed material is better than that of jaw crusher. The crushing effect of small particles is more delicate and uniform.

Time-saving and high capacity

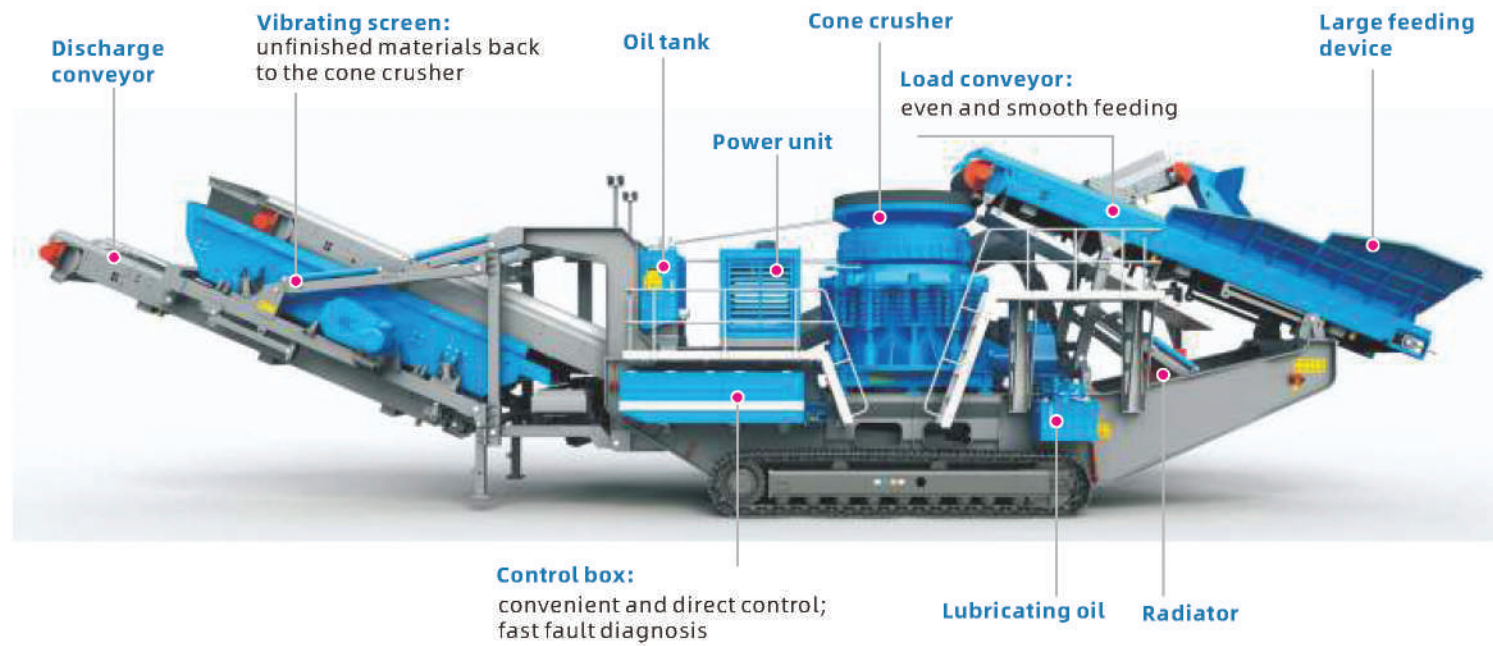
The automatic control system with full automatic control of the crushing process, one-button auto-start and advanced fault diagnosis function can perform functions such as overload or over-voltage protection for crushing operations.



Cone crusher



Cone Crusher Cross Section



AMC400 Parameter

Item	Name	AMC400	
Dimensions	Length	16600mm	
	Width	3486mm	
	Height	3880mm	
Feeding Hopper	Feeding Height	2900mm	
	Volume	5.4m ³	
Power Unit	Discharge Height	3240mm	
	Screen Mesh Size	4000×1500mm	
	Engine	Cummins	
	Control System	Wireless Remote/Siemens	
	Brand	Schneider	
Driving Type	Oil-electric	Power	278kW
		Weight	≈65t

Note:

1. The performance of a crusher is closely related to stone hardness, feed size and output size.
2. Standard configuration: manual control, dust extraction sprinkler systems, wireless remote control, automatic feeding system.
3. Optional configuration: side folding conveyor, magnetic separator.
4. Due to the continuous updating of our company's technology, specifications are subject to change without prior notice. Specific parameters depend on the actual product.

215

Max.input size (mm)

100-350

Capacity (t/h)

278

Power (kW)

AMC400MH crawler mobile cone crusher



Advantages and Characteristics

Superior cone crusher

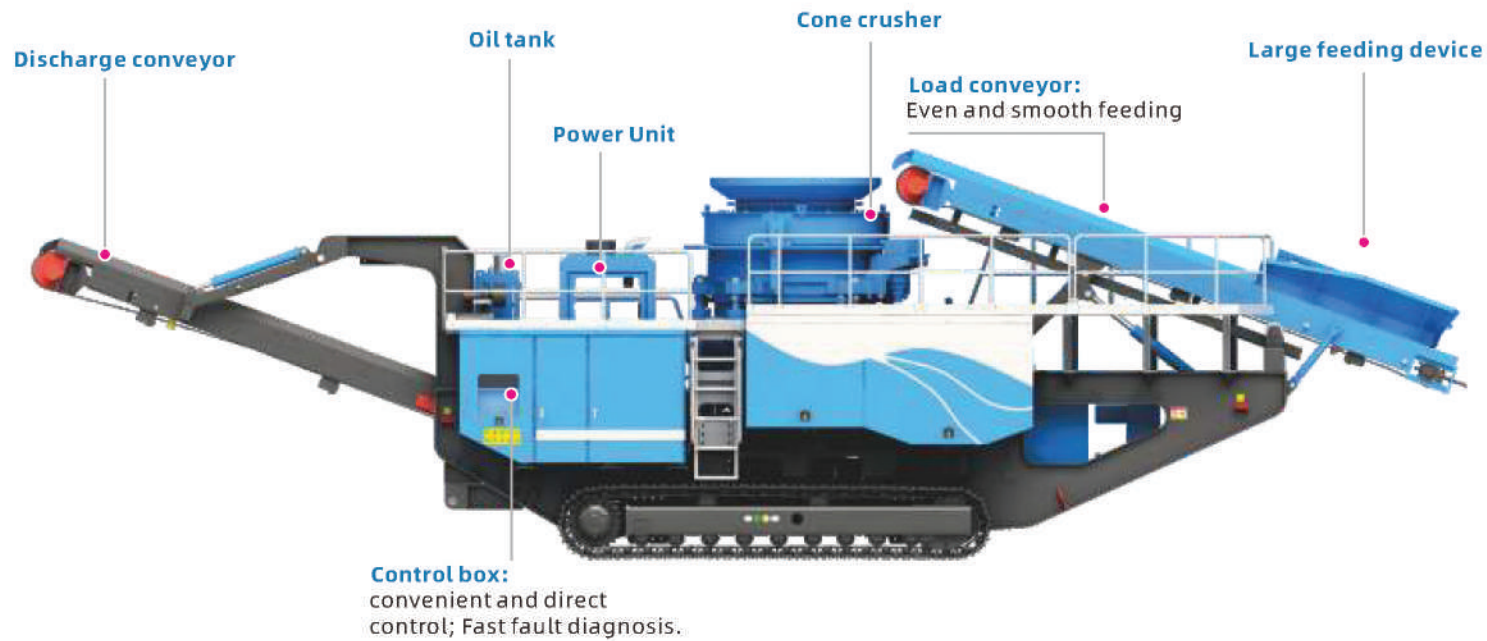
According to the crushing principle of the material layer and the wear characteristics of the cavity wall, the cavity design is curved, which can guarantee high capacity, high product quality and low wear cost.

Key features

Suitable for medium to high hardness stones and high corrosion resistance. The crushing ratio is small and the shape of crushed material is better than that of jaw crusher. The crushing effect of small particles is more delicate and uniform.

Time-saving and high capacity

The Automatic Control System with fully automatic control of the crushing process, one-button auto-start and advanced fault diagnosis function can perform functions such as overload or over-voltage protection for crushing operations.



Parameter AMC400MH

Item	Name	AMC400MH	
Dimensions	Length	16700mm	
	Width	3528mm	
	Height	3905mm	
Feeding hopper	Feeding Height	2980mm	
	Volume	4.5m ³	
	Max Material Size	305mm	
Power unit	Discharge Height	3648mm	
	Engine	Cummins	
	Control System	Wireless Remote/Siemens	
	Brand	Schneider	
Driving type	Electric	Power	361.5kW
		Weight	≈57t

Note:

1. The performance of a crusher is closely related to stone hardness, feed size and output size.
2. Standard configuration: manual control, dust extraction sprinkler systems, wireless remote control, automatic feeding system.
3. Optional configuration: side folding conveyor, magnetic separator.
4. Due to the continuous updating of our company's technology, specifications are subject to change without prior notice. Specific parameters depend on the actual product.

305

Max. input size (mm)

140-400

Capacity (t/h)

361.5

Power (kWh)



Crawler Mobile Cone Crusher Plant AMC300

Advantages and characteristics

Superior cone crusher

According to the crushing principle of the material layer and the wear characteristics of the cavity wall, the cavity design is curved, which can guarantee high capacity, high product quality and low wear cost.

Key features

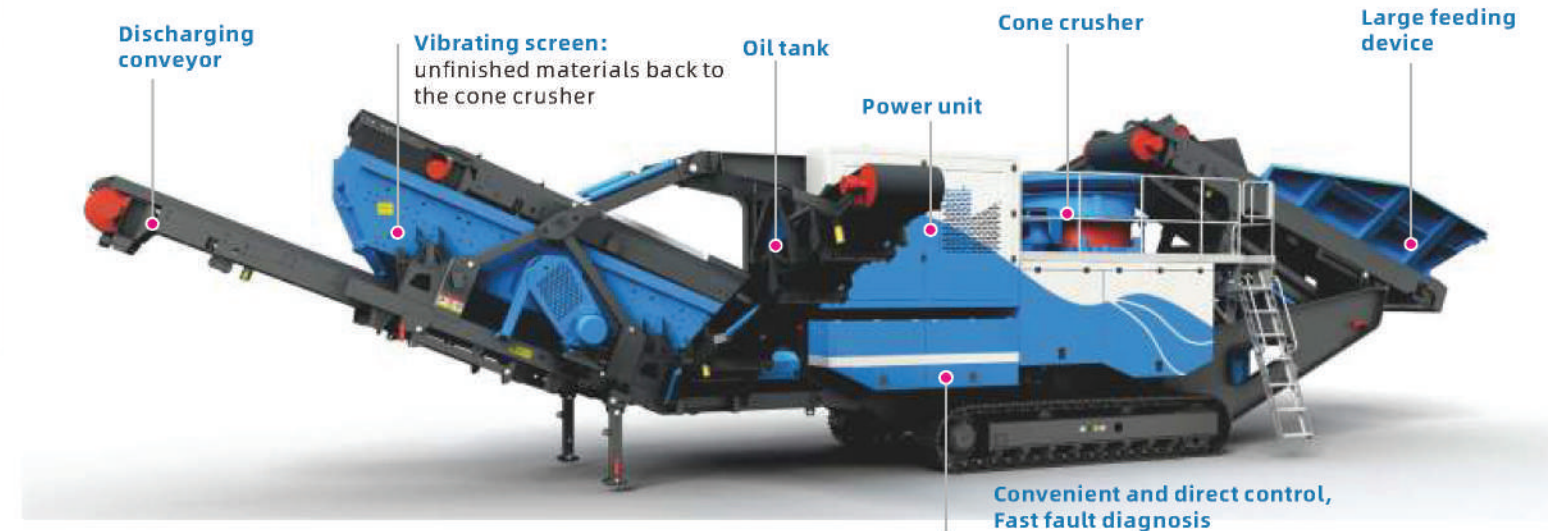
Suitable for medium to high hardness stones and high corrosion resistance. The crushing ratio is small and the shape of crushed material is better than that of jaw crusher. The crushing effect of small particles is more delicate and uniform.

Time-saving and high capacity

The automatic control system has fully automatic crushing process control, one-button automatic start and advanced fault diagnosis functions, which can realize the functions of overload or over-iron protection of crushing operation.



Crawler mobile cone crusher



Parameter AMC300

Item	Name	AMC300	
Dimensions	Length	19300mm	
	Width	3650mm	
	Height	3750mm	
Feeding Hopper	Size of Materials	35-185mm	
	Capacity	4.5m ³	
	Height	3100mm	
Power Unit	Discharge Height	3200mm	
	Engine	Cummins	
	Control System	Wireless Remote/Siemens	
	Brand	Schneider	
Driving Type	Electric	Power	305kW
		Weight	≈55t

Note:

1. The performance of a crusher is closely related to stone hardness, feed size and output size.
2. Standard configuration: manual control, dust extraction sprinkler systems, wireless remote control, automatic feeding system.
3. Optional configuration: side folding conveyor, magnetic separator.
4. Due to the continuous updating of our company's technology, specifications are subject to change without prior notice. Specific parameters depend on the actual product.

185

Max. input size (mm)

100-300

Capacity (t/h)

305

Power (kW)



Crawler Mobile Cone Crusher Plant AMC300MH

Advantages and characteristics

Superior cone crusher

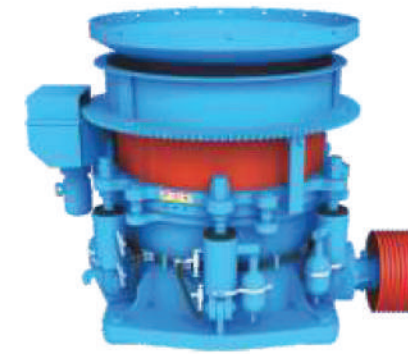
According to the crushing principle of the material layer and the wear characteristics of the cavity wall, the cavity design is curved, which can guarantee high capacity, high product quality and low wear cost.

Key features

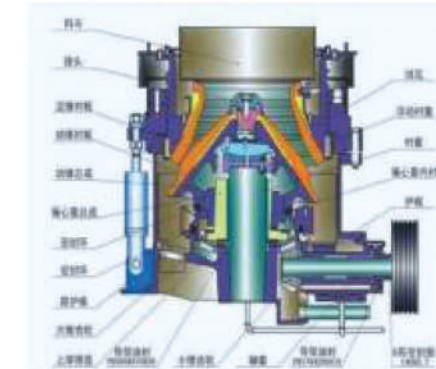
Suitable for medium to high hardness stones and high corrosion resistance. The crushing ratio is small and the shape of crushed material is better than that of jaw crusher. The crushing effect of small particles is more delicate and uniform.

Time-saving and high capacity

The automatic control system with full automatic control of the crushing process, one-button auto-start and advanced fault diagnosis function can perform functions such as overload or over-voltage protection for crushing operations.



Cone crusher



Cross section of cone crusher



Parameter AMC300MH

Item	Name	AMC300MH
Dimensions	Length	19300mm
	Width	3650mm
	Height	3750mm
Feeding Hopper	Input Size	35-185mm
	Volume	4.5m ³
	Height	3100mm
Power Unit	Discharge Height	3200mm
	Engine	Cummins
	Control System	Wireless Remote/Siemens
	Brand	Schneider
Driving Type	Driving Type	Power 400kW
		Weight ≈61t

Note:

1. The performance of a crusher is closely related to stone hardness, feed size and output size.
2. Standard configuration: manual control, dust extraction sprinkler systems, wireless remote control, automatic feeding system.
3. Optional configuration: side folding conveyor, magnetic separator.
4. Due to the continuous updating of our company's technology, specifications are subject to change without prior notice. Specific parameters depend on the actual product.

185

Max. input size (mm)

100-300

Capacity (t/h)

400

Power (kW)



Advantages and characteristics

Wide adaptability

The vibrating screen has a large effective screening area, strong vibration, and the screening angle can be adjusted hydraulically.

Main features

The mobile screening plant is suitable for all natural stone and construction residues, and can be screened in a double- or three-layer design, with different screen surfaces for different finished particle sizes and raw materials.

Widely used three-layer design

The three-layer screen design of the screening machine can screen up to 4 kinds of end products with practical value, and each finished material conveyor belt can be hydraulically folded to realize the transportation of the whole machine.



2825

Feeding height (mm)

100-350

Capacity (t/h)

64.5

Power (kW)

Crawler mobile screening plant

Vibrating Screen:

Equipped with vibrating screen 2068, smooth processing of raw materials

Highly flexible and convenient to transport:

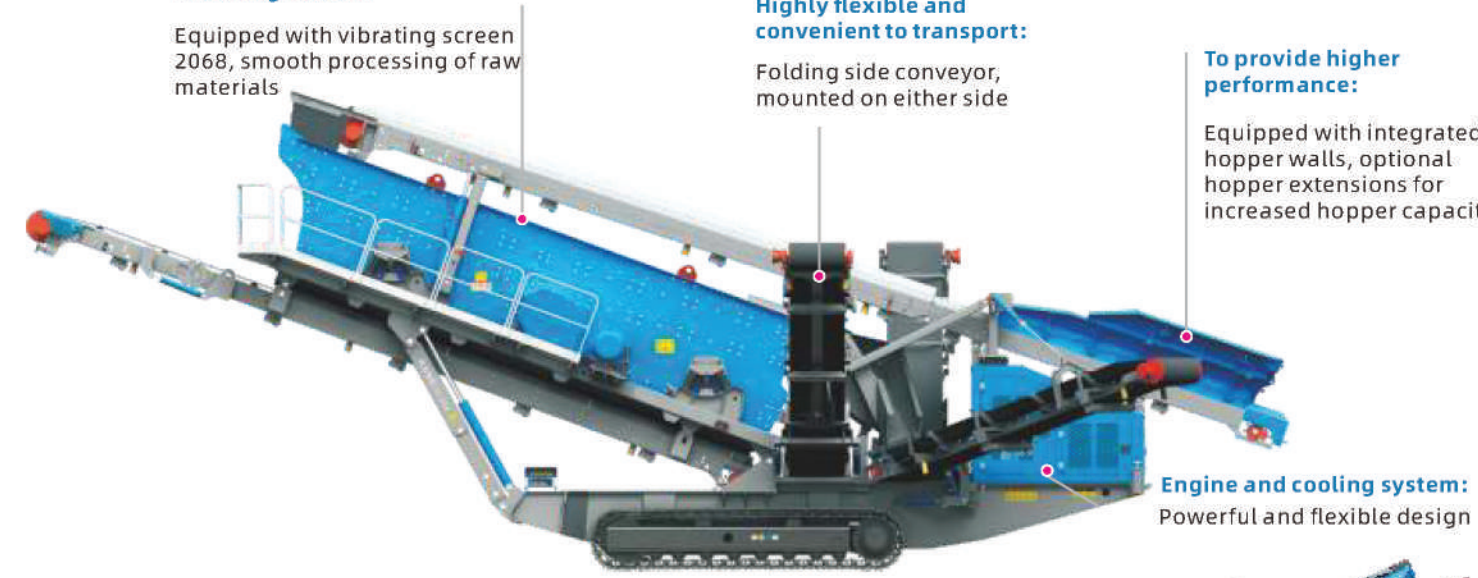
Folding side conveyor, mounted on either side

To provide higher performance:

Equipped with integrated hopper walls, optional hopper extensions for increased hopper capacity

Engine and cooling system:

Powerful and flexible design



Parameter AMV2068

Item	Name	AMV2068	
Dimensions	Length	16260mm	
	Width	3580mm	
	Height	3760mm	
Feeding hopper	Layer	3	
	Volume	4m ³	
	Height	2825mm	
Power unit	Discharge Height	4700mm	
	Engine	Cummins	
	Control System	Wireless Remote/Siemens	
	Brand	Schneider	
Driving type	Electric	Power	64.5kW
		Weight	≈31.5t
	Complete hydraulics	Power	93kW
		Weight	≈33t

Note:

1. The performance of a crusher is closely related to stone hardness, feed size and output size.
2. Standard configuration: manual control, dust extraction sprinkler systems, wireless remote control, automatic feeding system.
3. Optional configuration: side folding conveyor, magnetic separator.
4. Due to the continuous updating of our company's technology, specifications are subject to change without prior notice. Specific parameters depend on the actual product.



Mobile Screening Plant on crawler tracks AMV1650

Advantages and characteristics

Wide adaptability

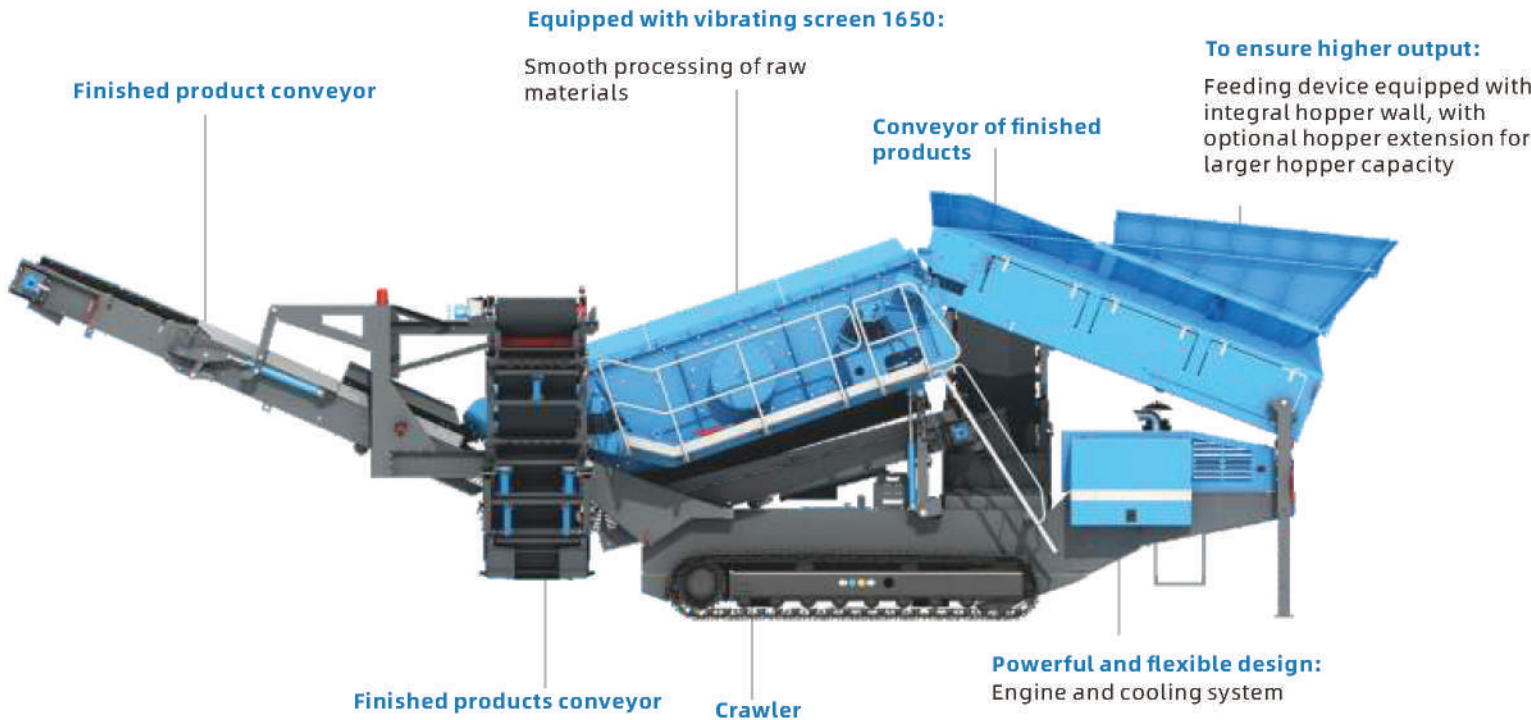
The vibrating screen has a large effective screening area, powerful vibration, and the screening angle can be adjusted hydraulically.

Main features

The mobile screening equipment is suitable for all natural stone and construction debris. The screen can be of 2-layer or 3-layer design used for different sizes of finished products.

Widely used three-layer

The three-layer design of the screening machine allows up to four convenient end products to be screened, and the finished material conveyor belts can be hydraulically folded for easy transport.



19 | **4.8×1.5**
Mesh size (m)

| **7.2**
Screening area (m²)

| **600**
Capacity (t/h)

Crawler mobile screening plant

Crawler mobile screening plant AMV1650 Parameter



Item	Name	AMV1650	
Dimensions	Length	15380mm	
	Width	3000mm	
	Height	3390mm	
Screening area	Upper Layer	4.8×1.5m	
	Bottom Layer	3.65×1.5m	
Power unit	Discharge Height	3600mm	
	Engine	Cummins	
	Control System	Wireless Remote / Siemens	
	Brand	Schneider	
Driving type	Complete hydraulics	Power	93kW
		Weight	≈29t

Note:

1. The performance of a crusher is closely related to stone hardness, feed size and output size.
2. Standard configuration: manual control, dust extraction sprinkler systems, wireless remote control, automatic feeding system.
3. Optional configuration: side folding conveyor, magnetic separator.
4. Due to the continuous updating of our company's technology, specifications are subject to change without prior notice. Specific parameters depend on the actual product.

Crawler mobile vertical shaft impact crusher AMN8500



Advantages and characteristics

Strong structure

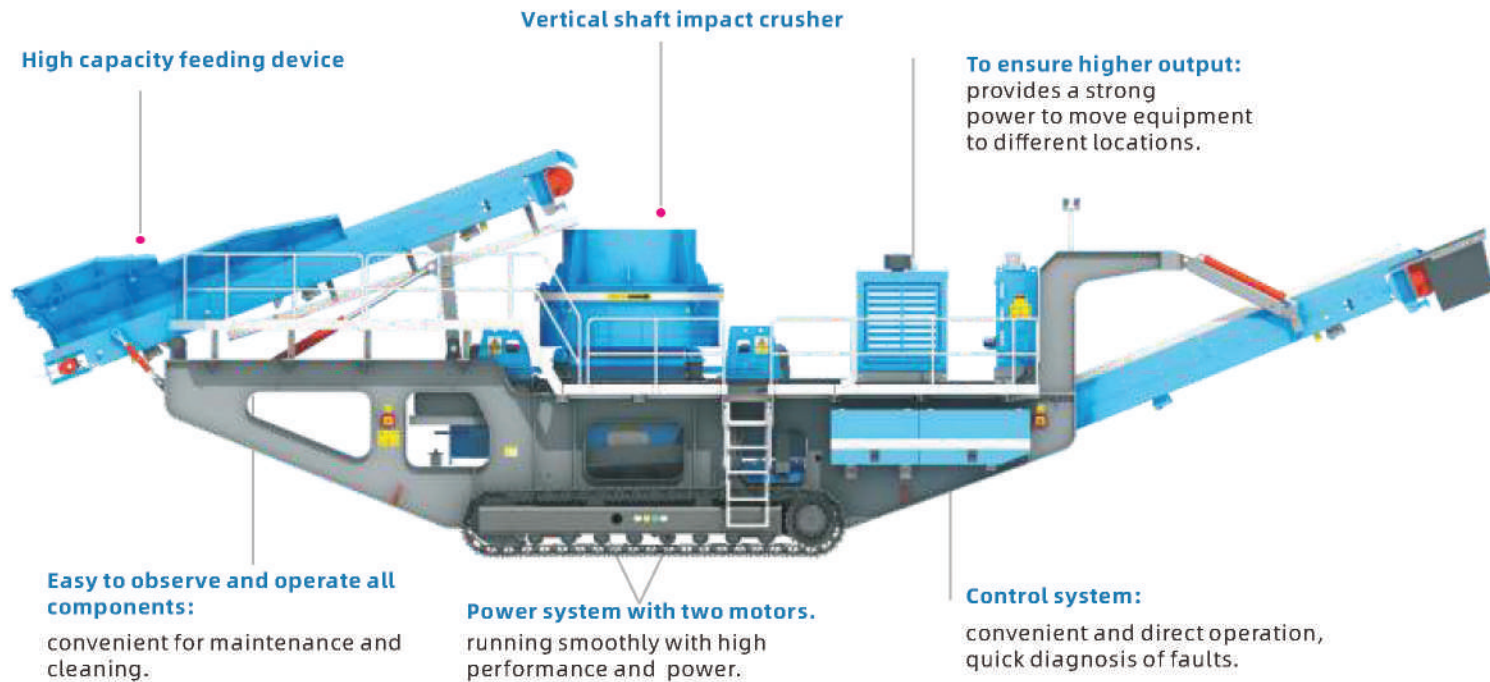
Modular design, easy to replace, high fatigue resistance, strong impact resistance

Main features

Processing of natural stones such as pebbles, granite, bauxite, etc.; and construction waste such as steel slag, concrete, cement, etc.; the finished product is cubic, low in needle flakes and almost free of internal cracks.

Vertical shaft Impact crusher

The primary crusher uses an automatic control system with fully automatic control of the crushing process, advanced fault diagnosis functions and one-button auto-start, which can provide overload protection for crushing operations, as well as automatic shutdown functions for insufficient oil pressure or lack of oil.



60

Max. feeding size (mm)

200-480

Capacity (t/h)

418.5

Power (kW)

Parameter AMN8500

Item	Name	AMN8500	
Dimensions	Length	18400mm	
	Width	3150mm	
	Height	3900mm	
Feeding hopper	Input Size	60mm	
	Volume	5.4m ³	
	Height	3150mm	
Power unit	Discharge Height	3600mm	
	Engine	Cummins	
	Control System	Wireless Remote/Siemens	
	Brand	Schneider	
Driving type	Electric	Power	418.5kW
		Weight	≈40t

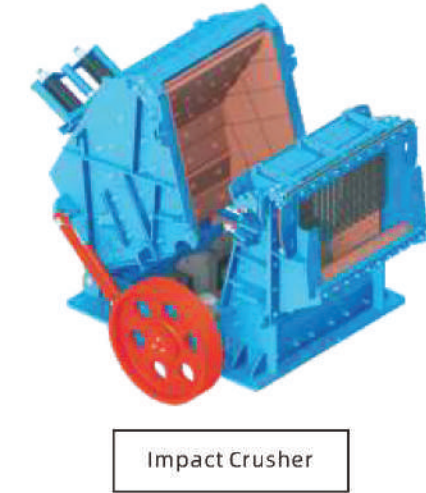
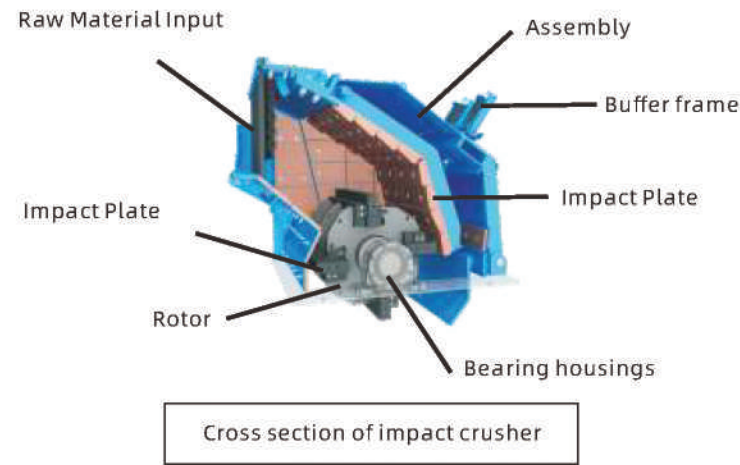


Note:

1. The performance of a crusher is closely related to stone hardness, feed size and output size.
2. Standard configuration: manual control, dust extraction sprinkler systems, wireless remote control, automatic feeding system.
3. Optional configuration: side folding conveyor, magnetic separator.
4. Due to the continuous updating of our company's technology, specifications are subject to change without prior notice. Specific parameters depend on the actual product.



Crawler mobile impact crusher plant AMI1213



Advantages and characteristics

Strong structure

Modular design, easy to replace, high fatigue resistance, strong impact resistance

Key features

Suitable for medium to low hardness stones and low corrosive stones with high crushing ratio and good shape of crushed materials, but relatively finer particles are produced.

Time-saving and high capacity

Impact, counterattack, impact (stone to stone) crushing function, high production efficiency, small wear and tear of machine parts, significant comprehensive benefits.



Parameter AMI1213

Item	Name	AMI1213	
Dimensions	Length	17960mm	
	Width	3500mm	
	Height	3750mm	
Feeding hopper	Inlet Size	750×1300mm	
	Volume	6m ³	
	Height	3700mm	
Power unit	Discharge Height	3200mm	
	Engine	Cummins	
	Control System	Wireless Remote/Siemens	
	Brand	Schneider	
Driving type	Electric	Power	314.5kW
		Weight	≈55t

Note:

1. The performance of a crusher is closely related to stone hardness, feed size and output size.
2. Standard configuration: manual control, dust extraction sprinkler systems, wireless remote control, automatic feeding system.
3. Optional configuration: side folding conveyor, magnetic separator.
4. Due to the continuous updating of our company's technology, specifications are subject to change without prior notice. Specific parameters depend on the actual product.

750

Max. feeding size (mm)

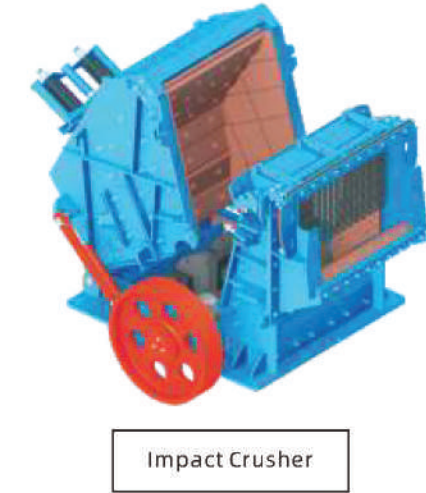
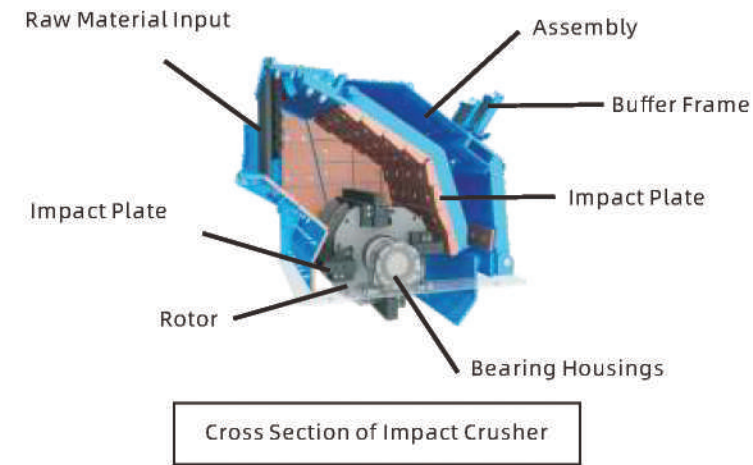
100-350

Capacity (t/h)

314.5

Power (kW)

Crawler Mobile Impact Crusher Plant AMI1213MH



Advantages and characteristics

Strong structure

Modular design, easy to replace, high fatigue resistance, strong impact resistance

Key features

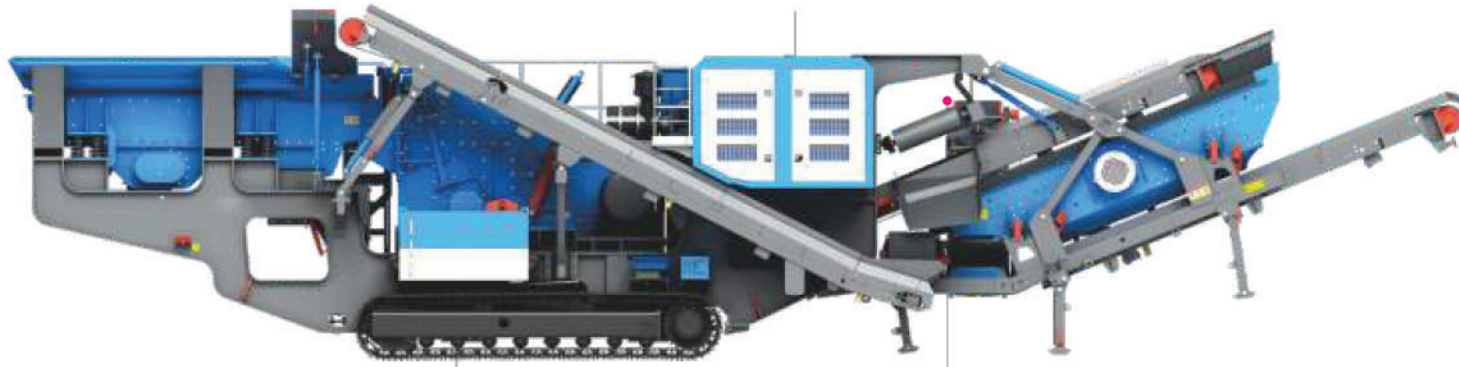
Suitable for low hardness and low corrosive stone, large crushing ratio, and well-shaped crushed material, but produces relatively more powder.

Time-saving and high capacity

Impact, counterattack, impact (stone to stone) crushing function, high production efficiency, small wear and tear of machine parts, significant comprehensive benefits.

Engine:

Powerful for moving equipment or transferring sites



Crawler belts:

allow the machine to be moved flexibly around the site.

Efficient separation of metal products:

Reduction of clogging and damage to the conveyor belt caused by metal products by means of an iron separator (optional).

Parameter AMI1213MH

Item	Name	AMI1213MH	
Dimensions	Length	17960mm	
	Width	3500mm	
	Height	3750mm	
Feeding hopper	Inlet Size	750×1300mm	
	Volume	6m ³	
	Feeding Height	3700mm	
Power unit	Discharge Height	3200mm	
	Engine	Cummins	
	Control System	Wireless Remote/Siemens	
	Brand	Schneider	
Driving type	Electric	Power	400kW
		Weight	≈61t

Note:

1. The performance of a crusher is closely related to stone hardness, feed size and output size.
2. Standard configuration: manual control, dust extraction sprinkler systems, wireless remote control, automatic feeding system.
3. Optional configuration: side folding conveyor, magnetic separator.
4. Due to the continuous updating of our company's technology, specifications are subject to change without prior notice. Specific parameters depend on the actual product.

750
Max. input size (mm)

100-350
Capacity (t/h)

400
Power (kW)

Crawler mobile impact crusher plant AMI1315



Advantages and Characteristics

Strong structure

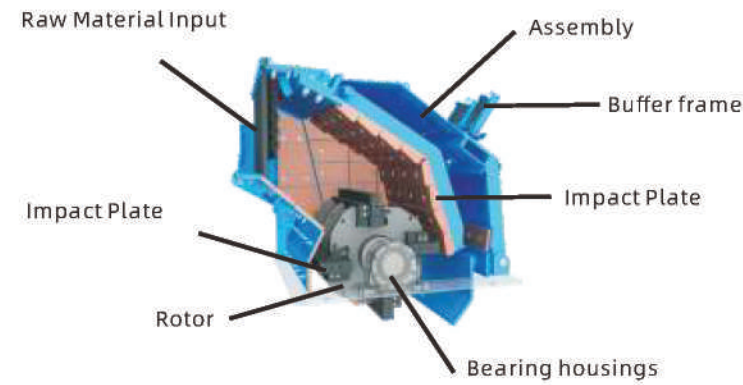
Modular design, easy to replace, high fatigue resistance, strong impact resistance.

Key features

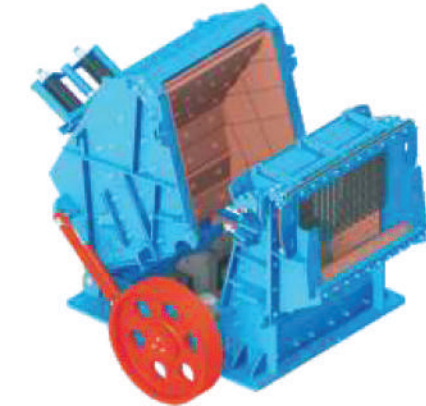
Suitable for low hardness and low corrosive stone, large crushing ratio, and well-shaped crushed material, but produces relatively more powder.

Time-saving and high capacity

Impact, counterattack, impact (stone to stone) crushing function, high production efficiency, small wear and tear of machine parts, significant comprehensive benefits.



Cross Section of Impact Crusher



Impact Crusher



Crawler Mobile Impact Crusher Plant AMI1315

Item	Name	AMI1315	
Dimensions	Length	16800mm	
	Width	3650mm	
	Height	3750mm	
Feeding hopper	Inlet Size	1500×950mm	
	Volume	4.5m ³	
	Height	3700mm	
Power unit	Discharge Height	3700mm	
	Engine	Weichai	
	Control System	Wireless Remote/Siemens	
	Brand	Schneider	
Driving type	Electric	Power	400.5KW
		Weight	≈60t

Note:

1. The performance of a crusher is closely related to stone hardness, feed size and output size.
2. Standard configuration: manual control, dust extraction sprinkler systems, wireless remote control, automatic feeding system.
3. Optional configuration: side folding conveyor, magnetic separator.
4. Due to the continuous updating of our company's technology, specifications are subject to change without prior notice. Specific parameters depend on the actual product.



750
Max.input size(mm)

100-400
Capacity(t/h)

400.5
Power (kw)

Crawler mobile impact crushing plant



Highlights

1. Adopted high power electric motor, which has strong power and high speed. Through reasonable torque amplification, high performance and stability can be achieved.
2. The new design of rotor system can increase the output of materials by 10-15%, which radically reduces the impact of rotor system on productivity.
3. Wireless control for on-site movement and transfer, providing convenience and flexibility.

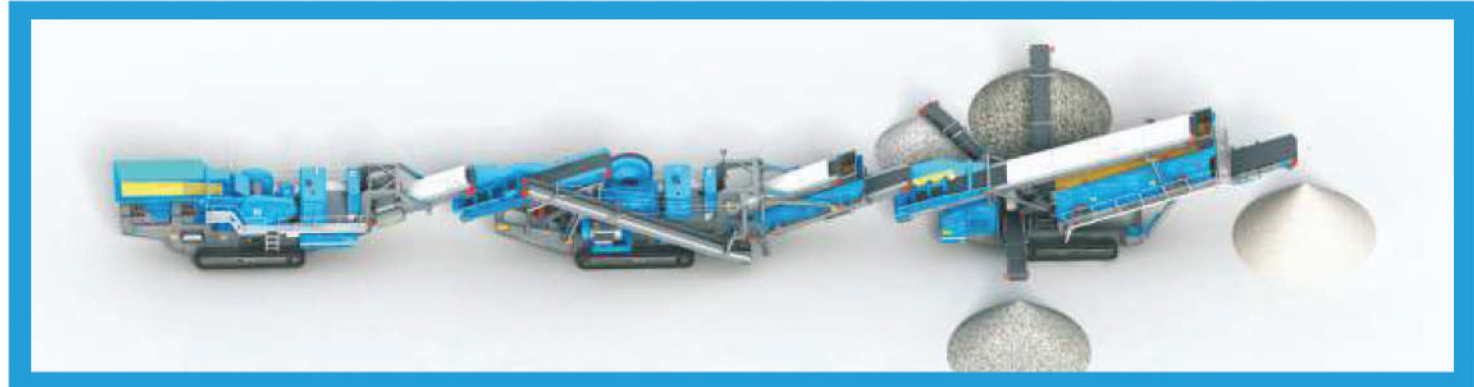


Plan 1: Impact Crusher AMI1213 + Mobile Screening Plant AMV2068

Application

Processing of class II stones with low to medium hardness and low corrosiveness, such as limestone, concrete blocks, sandstone and construction waste.

Examples of ACE applications



Application

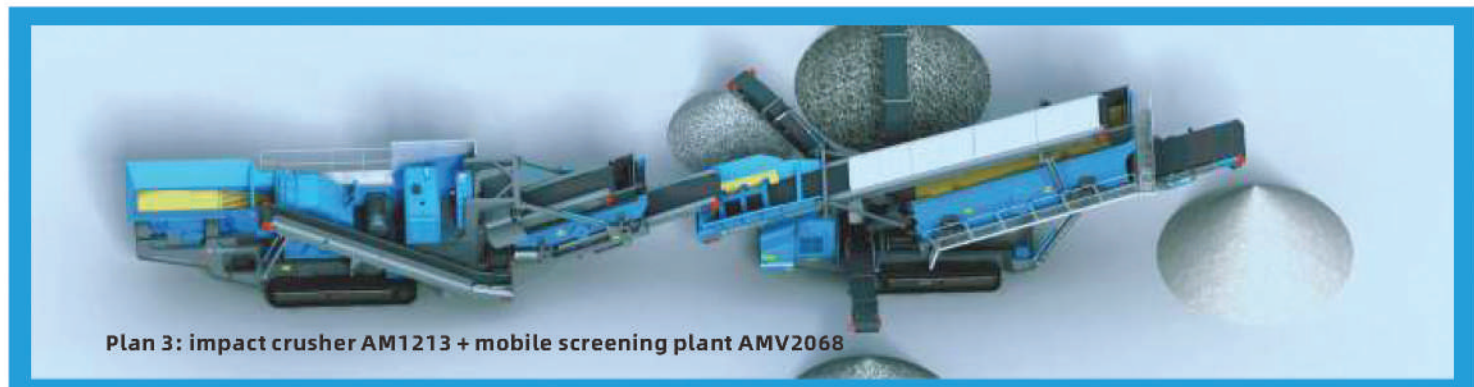
Processing of class I stones of medium to high hardness and high corrosiveness, such as boulders, basalt, granite, etc.



Plan 2: jaw crusher AMJ750 + cone crusher AMC400 + sand making machine AMN5800 + mobile screening plant AMV2068

Application

Processing of class I stones of medium to high hardness and high corrosiveness, such as boulders, basalt, granite, etc.



Plan 3: impact crusher AM1213 + mobile screening plant AMV2068

Application

Processing of limestone, concrete blocks, sandstone, construction debris and other second class stones of low hardness and low corrosion