

**CRUSHCORE**  
DYNAMICS

**TEMPUS**  
SMART & GREEN CRUSHING

**MOBILE SCREENING &  
CRUSHING SOLUTIONS**



EFFICIENT



INTELLIGENT

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EFFICIENT



ECO-FRIENDLY

## RTPF350DS

### Crawler Mobile Impact Crushing Plant

Feeding Device	Max. feeding Size	600mm
	Hopper Volume	5m <sup>3</sup>
Vibrating Feeder	Vibrating Motor Power	2*5.5kW
Crusher	Crusher Model	Np1313
	Crusher Motor Power	250kW
Main Conveying Belt	Belt Width	B1000mm
	Power	15kW
Mixed Material Conveying Belt	Belt Width	B1000mm
	Power	11kW
Returned Material Conveying Belt	Belt Width	B650mm
	Power	5.5kW
Transmission Conveying Belt	Belt Width	B500mm
	Power	3kW
Power Device	Motor Power	103kW
	Traveling Motor	Italy PMP
Whole Machine	Total Power	309kW
	Total Weight	60t
	Working Mode	External power supply
	Transportation Dimension	18.3mx3.2mx3.9m

#### Conveying System

- ▶ Super wide conveyor belt to ensure stable output.
- ▶ Discharge height is designed for large piles to avoid frequent rotation.
- ▶ The return conveyor belt can break the material in closed loop.

#### Final Screening Device

- ▶ Riveting process is adopted to reduce welding stress and avoid vibration cracking.
- ▶ Large screening area, high yield.

#### Crusher Host

- ▶ Heavy rotor + double cavity structure, high crushing ratio, high output.
- ▶ The final product has good grain shape: gold hydraulic counter plate discharge port adjustment device, easy maintenance.

#### Feeding Hopper

- ▶ 5 meters cubed of volume.
- ▶ Hopper irregular design, stone more easily into the crushing bin.

#### Pre-Screening System

- ▶ The viscous material can be removed effectively, and the wear of the crushing chamber can be greatly reduced, thus increasing the yield.

#### Electric Control System

- ▶ Intelligent control panel, A start/stop control, simple operation.
- ▶ Equipped with wireless remote control, reduce auxiliary staff.

#### Power System

- ▶ Adopt foreign famous brand, strong power, strong climbing ability.



The TEMPUS crawler mobile counter crushing station has a compact and integrated design, with a small construction area. The crushing mainframe adopts new manufacturing technology and unique structural design, which results in a higher crushing ratio and stronger crushing capacity. The processed products are cuboid-shaped, with no tension or cracks, and have a good particle shape. The discharge particle size can be adjusted hydraulically, allowing for diversified crushing specifications. The entire machine is driven by tracks, with strong power and convenient transportation, making it suitable for complex and varied construction environments.

Application scenario: it is widely used in coarse crushing and medium crushing in various medium hardness crushing process. Crushing of all kinds of mine rocks; Highway, railway, water conservancy, electricity, construction and other industries Production of sand and stone for construction purposes; All kinds of slag, cave slag, waste asphalt concrete, tailings and waste rock crushing and recycling.

#### Intelligent Technology to Prevent Stuck Materials

The industrial controller can automatically control the feed overload current, enable automatic suspension and resumption of feeding, and can also be controlled manually to prevent the crusher machine from getting jammed with material and stopping.

#### Easy Maintenance

There is a safety observation platform for the silo and host, which can make the maintenance and overhaul more convenient.

#### Strong Crushing Host

The RTPF series crushing machine perfectly combines a heavy rotor, high wear-resistant material, and a well-designed crushing chamber, significantly improving production capacity and product grain quality while reducing wear costs. Equipped with a fully hydraulic counter plate discharge port adjustment device, it offers more convenient operation.

#### Mobility and Flexibility

The whole machine is designed according to the national road transportation standards, integral transportation, saving transportation costs for users. The special crawler walking mechanism can travel flexibly in harsh and rugged terrain.

#### Efficient Pre-screening Device

Through the pretreatment of raw materials by the pre-screening device, the viscous material can be discharged directly through the conveyor, and the medium particle size material can be directly sent to the main conveyor, which greatly reduces the wear of the crushing chamber and improves the output of the equipment.

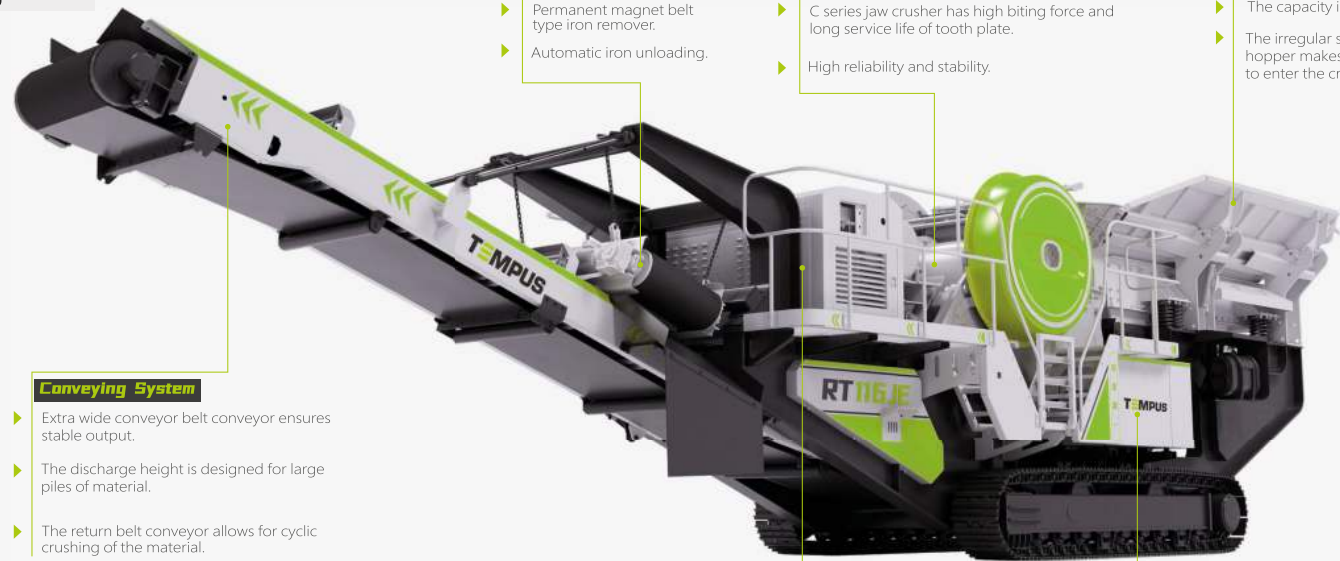
#### Advanced Control System

Using wireless remote control + local operation dual control mode, HD display screen, so that visual operation more convenient.

# RT116JE

Crawler Mobile Jaw Crushing Plant

Feeding Device	Max. feeding Size	700mm
	Feeding Height	4100mm
	Hopper Volume	9m <sup>3</sup>
	Feeding Capacity	170-310t/h
Vibrating Feeder	Vibrating Motor Power	2*7.5kW
	Crusher Model	C116
Crusher	Crusher Motor Power	132kW
	Belt Width	B650mm
De-Spilling Conveying Belt	Power	4kW
	Belt Width	B1000mm
Main Conveying Belt	Power	15kW
	Iron Remover	RCYQ-10
Iron Removal Device	Power	3kW
	Motor Power	103kW
Power Device	Traveling Motor	Italy PMP
	Total Power	172kW
	Total Weight	50t
Whole Machine	Working Mode	External power supply
	Working Dimension	15.8m*4.3m*4.1m
	Transportation Dimension	15.8m*3.4m*3.8m



### Separator

- ▶ Permanent magnet belt type iron remover.
- ▶ Automatic iron unloading.

### Crusher

- ▶ C series jaw crusher has high biting force and long service life of tooth plate.
- ▶ High reliability and stability.

### Feeding Hopper

- ▶ The capacity is about 9m<sup>3</sup>.
- ▶ The irregular shape of the hopper makes it easy for rocks to enter the crushing chamber.

### Conveying System

- ▶ Extra wide conveyor belt conveyor ensures stable output.
- ▶ The discharge height is designed for large piles of material.
- ▶ The return belt conveyor allows for cyclic crushing of the material.

### Power System

- ▶ Famous brand power system is used, powerful and good hill climbing ability.

### Electronic Control System

- ▶ Intelligent control panel. One-touch start/stop control for easy operation.
- ▶ Equipped with a wireless remote control to reduce support staff.

TEMPUS mobile jaw crusher has compact structure, large crushing ratio, good working stability and low maintenance cost. The main frame has an excellent engagement angle and large stroke for hard rock processing, the wide feed opening provides a large capacity, and the height of the chassis makes the equipment well suited for complex terrain. The equipment is easy to operate, transport and relocate, and can be used for sand and gravel aggregate production and environmental protection crushing.

### Powerful Crusher

The modular and non-welded body frame gives the equipment maximum fatigue resistance and reliability. The high abrasion resistance, good impact resistance of wear parts and tooth plate, combined with high quality bearings, could ensure the excellent crushing performance. V-shaped symmetrical crushing cavity design is used, featuring deep crushing cavity, large processing capacity and low energy consumption.

### Mobility and Flexibility

The whole machine is designed according to the national road transport standard with integrated transport, which saves transportation cost for users. The special crawler drive mechanism allows the machine to move flexibly in rough and uneven terrain.

### Proper Frame Layout

The center of gravity of the whole vehicle is so stable that the vehicle could climb the slope with an angle of up to 20 degrees. The wear parts of the jaw crusher could be easily replaced, which greatly facilitates the operators.

### Simple Maintenance

There is a safety observation platform around the feeding hopper and the crusher, which can be used to learn about the feeding situation and make the maintenance and repair more convenient.

### Integrated Inverter System

Full consideration has been given to dust-proof, shock-resistance, and high and low temperatures of the inverter.

### Advanced Control System

Wireless remote control + local operation control mode is used with high-resolution display, which makes the visualization operation more convenient.

# TEMPUS CRUSHCORE DYNAMICS

SMART & GREEN CRUSHING

## RT116JH

Crawler Mobile Jaw Crushing Plant

Feeding Device	Max. feeding Size	700mm
	Feeding Height	4100mm
	Hopper Volume	9m <sup>3</sup>
	Feeding Capacity	170-310t/h
Vibrating Feeder	Vibrating Motor Power	2*7.5kW
	Crusher	Crusher Model C116
Crusher	Crusher Motor Power	132kW
	De-Spalling Conveying Belt	Belt Width B650mm
Main Conveying Belt	Power	4kW
	Power Device	Belt Width B1000mm
Power Device	Power	15kW
	Motor Power	250kW
Whole Machine	Motor	Mecc Alte
	Crusher Driving Mode	Variable Frequency Drive
	Working Mode	Hybrid
	Total Power	172kW
	Total Weight	54t
	Working Dimension	16.5m*4.5m*4.7m
	Transportation Dimension	14.9m*3.3m*3.8m



### Separator

- ▶ Permanent magnet belt type iron remover.
- ▶ Automatic iron unloading.

### Crushing Unit

- ▶ The C-series jaw crusher sturdy in structure and strong in power.
- ▶ Large eccentricity, high output, and strong reliability.
- ▶ There is a reflector plate below the outlet of the crusher to protect the main discharge belt.
- ▶ Equipped with overload protection system to avoid damage to the crusher.

### Hydraulic Foldable Feeding Hopper

- ▶ Hydraulic & foldable hopper side wall that is resistant to impact & bending.
- ▶ The capacity of the hopper equipped with extension part can reach 9m<sup>3</sup>.
- ▶ High wear-resistant steel plate.

### Main Unloading Belt Conveyor

- ▶ A wide and sturdy unloading belt for the crusher, with a unloading height of 3.6m.
- ▶ Hydraulic folding, saving transportation space.

### Power System

- ▶ Adopting the concept of diesel & electric hybrid drive, efficient and powerful, ensuring lower fuel consumption while solving the problem of power limited working conditions.
- ▶ Pure electric drive can also be used, which is economical, environmentally friendly, reduces energy costs, and minimizes exhaust emissions.
- ▶ All maintenance related components are very accessible and easy to operate.
- ▶ Suitable for ambient temperatures ranging from -40 °C to 40 °C.

### Control System

- ▶ A touch panel with menu guided operation, visualization, and help functions.
- ▶ All components and functions can be controlled, and the status of all components, such as speed, temperature, pressure, etc., can be displayed for quick fault diagnosis and detailed information display.
- ▶ One click start/stop control, simple and convenient operation.
- ▶ Wireless remote control for controlling the feeding device.

### Vibration Feeding System

- ▶ Can control the flow rate of materials to achieve uniform feeding.
- ▶ Equipped with a pre-screening system, which effectively improves crushing efficiency, reduces wear, and saves costs.

RT116H is a diesel & electric hybrid power driven crawler type mobile jaw crusher designed specifically for primary crushing of hard rocks and production of recycled aggregates. Even under extremely cold working conditions (working environment temperature -40°C to 40°C), normal operation can still be guaranteed. The practicality of diesel & electric hybrid power ensures maximum normal operating time, especially under power limited conditions. All components are designed with modularity to facilitate continuous product upgrades and meet changing market demands.

#### EXTREME COLD TYPE:

1. Q355D and Q355E plates are used for all important structural components. Q355E steel plate has good low temperature resistance, can maintain good toughness and ductility in a low temperature environment of -40 °C, which gives it a wide range of application prospects in cold regions or situations where it is needed to withstand low-temperature impact loads.
2. A heater is added to the electrical section, all cables inside the cabinet are changed to low-temperature resistant cables, and Q355ME cold resistant steel plate is used for the cabinet body.
3. The power pack is made of Q355ME cold resistant steel plate. Motor: low-temperature motor; Cable: Low temperature cable; Sealing element: Cold resistant sealing element; Pressure gauge: Cold resistant silicone oil pressure gauge; Liquid level gauge: Cold resistant acrylic; Radiator plate: resistant to low temperature, hydraulic oil tank with heater added, hydraulic and pipeline with heat tracing belt added, electrical cabinet with box heater added, engine with water jacket preheating and diesel preheating added.

#### New Generation Diesel Electric Drive

Two driving modes to choose from, diesel and electric, to meet the requirements of different working conditions.

#### Convenient Maintenance and Upkeep

All components are very easy to access, enabling fast and convenient services.

#### Advanced Control System, Intuitive Operating Philosophy

Adopting wireless remote control and local touch screen dual control mode, making operation more convenient.

#### Fearless of Severe Cold Challenges, Suitable for Harsh Environments

It can easily handle work even in extremely cold conditions, which has a wider range of applications.

#### Powerful Crusher

High strength prefabricated structure, powerful and reliable, deep V-shaped crushing chamber design, large eccentricity, ensuring excellent meshing angle and large stroke, achieving efficient crushing of hard rock.

#### Continuous Feeding System (CFS)

The feeding system with independent frequency conversion control can adjust the feeding speed according to the host material level, further improving production capacity

# RT300CE

Crawler Mobile Cone Crushing Plant

Feeding Device	Max.feeding Size	210mm
	Feeding Height	3000mm
	Hopper Volume	3m <sup>3</sup>
	Feeding Capacity	350t/h
Crusher	Crusher Model	HP300
	Crusher Motor Power	250kW
Main Conveying Belt	Belt Width	B1000mm
	Power	11kW
Mixed Material Conveying Belt	Belt Width	B1000mm
	Power	7.5kW
Returned Material Conveying Belt	Belt Width	B650mm
	Power	5.5kW
Transmission Conveying Belt	Belt Width	B500mm
	Power	3kW
Whole Machine	Total Power	321kW
	Total Weight	55t
	Working Mode	External Power Supply
	Working Dimension	16.4mx4mx5.1m
	Transportation Dimension	18.3mx4mx3.9m

### Power System

- Utilizes a renowned brand.
- Robust power and excellent hill climbing capability.

### Conveying System

- An extra-wide conveyor belt ensures a stable output.
- The discharge height is designed for handling large piles of material.
- The return belt conveyor allows material to undergo cyclic crushing.

### Final Screening System

- The riveting process is used to reduce welding stress.
- To prevent cracking due to vibration, extra large screening area is used for high output.
- Side plate vibration motor drive with lower transmission loss and easy maintenance is used.

### Feeding System

- The convenient sliding mechanism allows quick setup and transportation and easy adjustment of the feeding of the crusher host.
- The iron remover could ensure ideal construction stability.

### Material Return System

- The material return belt convey can be used to discharge materials and even finished products.
- The return belt conveyor allows for cyclic crushing of the material.

- A recycling device is installed under the feeding system, which ensures a clean working environment for the hydraulic system below.
- A quick tipping device is located at the rear of the hopper, enabling faster cleaning in case of blockage.
- A height-adjustable strong magnetic iron remover is positioned above the conveyor belt, providing greater convenience for iron unloading.

### Crusher Host

- The high drive power of the crusher ensures continuous crushing in specific applications, resulting in higher throughput.
- The short warm-up time allows the equipment to be quickly operational after start-up.
- Equipped with an over-iron release hydraulic cylinder, it enables non-crushable materials to pass through the crushing chamber swiftly, reducing downtime and minimizing damage to the crusher caused by non-crushable materials.

### Electric Control System

- Intelligent control panel.
- One-touch start/stop control for easy operation.
- Equipped with a wireless remote control to reduce support staff.
- The cabinet cooling device is equipped with an air filter to reduce the probability of dust entering the cabinet.
- External frequency converter is used to reduce the failure of frequency converter caused by vibration and pollution, and increase the stability of the equipment.

### Equipped with New Cone Crusher

The core unit is the cone crusher developed with new technologies, which integrates mechanical, hydraulic, electrical and intelligent control technologies.

### Intelligent Control and Cost Reduction

The mainframe is equipped with automatic control system and fully automatic crushing process control, which could greatly reduce the time of equipment maintenance while ensuring high production, and wireless remote control can reduce the number of equipment operators. Intelligent and automated electrical control system is provided, including such functions as self-diagnosis and safety interlocks, to ensure the safety and reliability of the equipment.

### Green and Low Carbon

More sufficient functions and low energy consumption. Sealing design of the equipment crushing chamber can also reduce dust pollution.

### Fearless in Harsh Conditions

The traveling system is controlled by load-sensitive pump+proportional valve group, which can realize automatic deviation correction and stepless speed change when traveling.

TEMPUS RT Crawler Mobile Cone Crushing Station is equipped with the world's most widely used and sold multi-cylinder hydraulic cone crusher, which integrates the latest research achievements in crushing technology, hydraulic technology, computer technology and manufacturing technology. Different chamber shapes can be selected according to the material processing needs. The equipment is widely used in the production of sand and gravel aggregate and for environmental protection crushing.

### Superior Performance

The feeding position is infinitely adjustable, and the crushing efficiency and stability of the mainframe could be guaranteed. Integrated frequency conversion system is used, and the requirements for dust-proof heat dissipation, vibration isolation and waterproof are fully considered to ensure the reliable operation of the circuit system. Intelligent multi-cylinder crusher with hydraulically adjustable discharge outlet, automatic chamber cleaning clearing, and overload protection functions. The crusher is equipped with independent hydraulic and lubrication modules with high efficiency and low energy consumption.

# RT300CH

Crawler Mobile Cone Crushing Plant

Feeding Device	Max.feeding Size	210mm
	Feeding Height	3000mm
	Hopper Volume	3m <sup>3</sup>
Crusher	Feeding Capacity	350t/h
	Crusher Model	HP300
Main Conveying Belt	Crusher Motor Power	250kW
	Belt Width	B1000mm
Mixed Material Conveying Belt	Power	11kW
	Belt Width	B1000mm
Returned Material Conveying Belt	Power	7.5kW
	Belt Width	B650mm
Transmission Conveying Belt	Power	5.5kW
	Belt Width	B500mm
Power Device	Power	3kW
	Motor Power	450kW
Whole Machine	Total Power	321kW
	Total Weight	55t
	Working Mode	Hybrid
	Working Dimension	18.1m × 4.2m × 5.2m
Transportation Dimension	19.0m × 4.2m × 3.8m	

### Power System

- ▶ Adopting the concept of diesel electric hybrid drive, which is efficient and powerful, ensuring lower fuel consumption while solving the problem of power-limited working conditions.
- ▶ Pure electric drive can also be used, which is economical, environmentally friendly, reduces energy costs, and minimizes exhaust emissions.
- ▶ All maintenance-related components are very easy to access and operate conveniently.
- ▶ Suitable for ambient temperatures ranging from -40 °C to 40 °C.

### Conveying System

- ▶ Ultra wide conveyor belt ensures stable output.
- ▶ The unloading height is designed specifically for large piles of materials.
- ▶ The sprinkler system effectively controls dust.

### Final Screening System

- ▶ Adopting riveting technology to reduce welding stress, thereby reducing the risk of vibration cracking in the screen box.
- ▶ Large screening area, high output.
- ▶ The side panel vibration motor is directly driven to reduce transmission losses.

### Feeding System

- ▶ A simple sliding mechanism that can quickly set the ideal unloading position.
- ▶ The feeding speed can be independently controlled to ensure maximum crushing efficiency.

### Material Returning System

- ▶ Oversized material return function to achieve a closed material circuit.
- ▶ The return conveyor belt machine can rotate hydraulically and is used for side unloading.
- ▶ Hydraulic folding, no need for additional disassembly and assembly, convenient for transportation.

- ▶ High-strength wear-resistant plate that is easy to be replaced provides better protection for the feeding hopper.
- ▶ Unloading beam protects the belt and ensures ideal material guidance during feeding.
- ▶ The standard metal detection device arranged reasonably ensures maximum construction safety and protects the host from damage.

### Crushing System

- ▶ High strength cast steel body, fully automatic control design, suitable for harsh working conditions.
- ▶ The high driving power (250kW) of the crusher ensures continuous crushing operations and higher output.
- ▶ Real time data information of intelligent monitoring hydraulic lubrication system.
- ▶ Reliable overload protection system, over iron protection, to prevent encountering unbreakable materials, automatic discharge reset.
- ▶ The fast heating stage, ensuring that the machine can be quickly put into use after startup.

### Electrical Control System

- ▶ The operation interface is user-friendly, with menu guided operation, visualization, and help functions.
- ▶ Intelligent design, one click start/stop, fault diagnosis alarm, runtime recording, etc.
- ▶ Equipped with a wireless remote control, which is easy and safe to operate.
- ▶ A cabinet with multiple protections such as dust, water, and shock absorption, which better protects electrical components.



RT300CH is a diesel electric hybrid power driven tracked mobile cone crushing plant, suitable for secondary crushing in various applications, even under extremely cold conditions (working environment temperature -40°C to 40°C), it can still ensure normal operation. The practicality of diesel electric hybrid power ensures maximum normal operating time, especially under power limited conditions. Each component adopts modular design to facilitate continuous product upgrades and meet changing market demands.

### New Generation Diesel Electric Drive

There are two driving modes to choose from, diesel and electric, to meet the requirements of different working conditions.

### Convenient Maintenance and Upkeep

All components are very easy to access, enabling fast and convenient services.

### Advanced Control System Intuitive Operating Philosophy

Adopting wireless remote control and local touch screen dual control mode, making operation more convenient.

### Continuous Feeding System (CFS)

The feeding system with independent frequency conversion control can adjust the feeding speed according to the host material level, further improving production capacity.

### Fearless of Severe Cold Challenges Suitable for Harsh Environments

Even in extremely cold conditions, it can easily handle work and has a wider range of applications.

### Efficient Crusher

The multi cylinder crusher adopts large eccentricity, high-frequency swing, and laminated crushing to ensure a larger crushing ratio, higher output, and better particle shape.

# RT5015H

## Mobile Scalping Screen

Feeding Device	Max. feeding Size	600mm
	Hopper Volume	6m <sup>3</sup>
	Feeding Height	4100mm
	Feeding Capacity	200-500t/h
Screening system	Type	Double-layer vibrating screen
	The first layer screening area	5000mm*1550mm
	The second layer screening area	3400mm*1550mm
	Power	15kW
Coarse Material Conveying Belt	Belt Width	B1200mm
	Power	11kW
Medium-Sized Material Conveying Belt	Belt Width	B800mm
	Power	7.5kW
Fine Material Conveying Belt	Belt Width	B800mm
	Power	7.5kW
Under-Screen Conveying Belt	Belt Width	B1200mm
Whole Machine	Total Power	63.5kw
	Total Weight	38.5t
	Processing Capacity	200-500t/h
	Working Dimension	17.2m x 14.4m x 4.8m
	Transportation Dimension	17.0m x 3.5m x 3.8m

### Conveying System

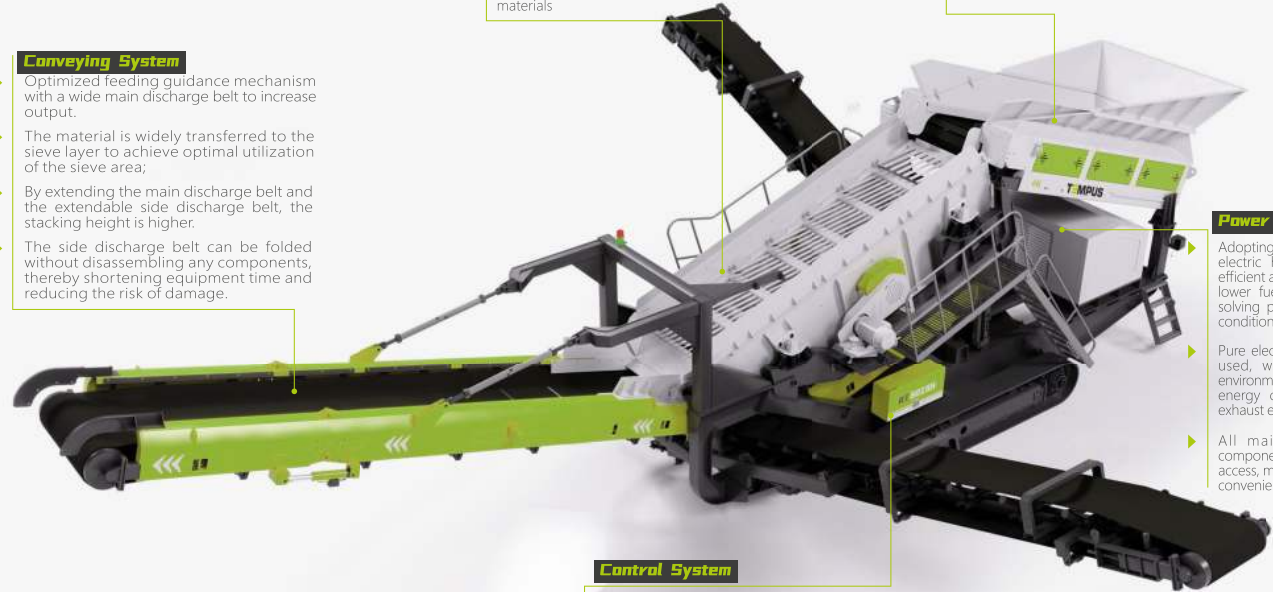
- ▶ Optimized feeding guidance mechanism with a wide main discharge belt to increase output.
- ▶ The material is widely transferred to the sieve layer to achieve optimal utilization of the sieve area;
- ▶ By extending the main discharge belt and the extendable side discharge belt, the stacking height is higher.
- ▶ The side discharge belt can be folded without disassembling any components, thereby shortening equipment time and reducing the risk of damage.

### Conveying System

- ▶ 7.5m<sup>2</sup> heavy-duty double-layer vibrating screen, capable of screening three types of crushed materials, with high screening efficiency.
- ▶ The angle of the screening box has a large adjustment range, which can optimize the screening capacity while maintaining the high quality of the product.
- ▶ Multiple options and types of screening surfaces are available, providing stable and efficient screening solutions for different raw materials

### Feeder

- ▶ Equipped with a heavy-duty chain plate feeder, which has strong impact resistance and can meet applications under high load conditions.
- ▶ The hopper wall can be easily folded to meet various feeding methods, achieving optimal material conveying.
- ▶ High wear-resistant steel plate that is easy to replace.



### Power System

- ▶ Adopting the concept of diesel electric hybrid drive, which is efficient and powerful, ensuring lower fuel consumption while solving power limited working conditions.
- ▶ Pure electric drive can also be used, which is economical, environmentally friendly, reduces energy costs, and minimizes exhaust emissions
- ▶ All maintenance related components are very easy to access, making operation more convenient.

### Control System

- ▶ Simple operation method, which can reduce the risk of misoperation.
- ▶ Remote control operation can achieve safe remote operation.
- ▶ Intelligent design, one click start/stop, convenient and fast start of production.
- ▶ All components and functions can be controlled, and the status of all components, such as speed, temperature, pressure, etc., can be displayed for quick fault diagnosis and detailed information display.

RT5015H crawler type mobile scalping screen is a durable, sturdy, and high-performance equipment designed for handling heavy screening work, no matter rock blasting or large solid waste materials, the RT5015H crawler type mobile scalping screen can easily handle it and provide good finished materials

Wide application range: precise screening of sand and gravel aggregates such as concrete, asphalt, construction waste, and natural stone, as well as screening of raw materials with high mud content or pre-screening of raw materials before crushing.

### Screening Device

Double-layer heavy-duty screening machine, can produce 3 kinds of finished materials. Various types of screen surface are optional, ensuring high application flexibility. The wide adjustment range of the screen box angle can be adjusted ideally according to the raw materials. The banana-shaped lower screen surface effectively improves the screening rate.

### Intuitive and Simple Control System

Adopting wireless remote control + local touch screen dual control mode, the simple operation method can reduce the risk of misoperation.

### Multiple Driving Modes

Load-sensitive hydraulic system, fuel efficiency increased by 20% "diesel-electric" drive, can switch between two energy sources to meet different working conditions.

### Durable Chain Plate Feeder

Equipped with a chain plate feeder, sturdy and durable, to avoid damaging the feeding device when the feeding particles are too large.

### Convenient Maintenance and Upkeep

All components are very easy to access, enabling fast and convenient services.

# RT315VSIE

Crawler Mobile Sand Maker

Feeding Device	Max.feeding Size	40mm
	Feeding Height	3000mm
	Hopper Volume	3m <sup>3</sup>
Crusher	Feeding Capacity	300t/h
	Crusher Model	SK2400
Main Conveying Belt	Crusher Motor Power	315kW
	Belt Width	B1000mm
Mixed Material Conveying Belt	Power	15kW
	Belt Width	B1000mm
Returned Material Conveying Belt	Power	7.5kW
	Belt Width	B650mm
Transmission Conveying Belt	Power	5.5kW
	Belt Width	B500mm
Whole Machine	Power	3kW
	Total Power	364.5kW
	Total Weight	55t
	Working Mode	External Power Supply
	Working Dimension	18.5m×3.9m×5.1m
Transportation Dimension	20m×3.9m×3.8m	

### Power System

- ▶ Utilizes a renowned brand.
- ▶ Robust power and excellent hill climbing capability.
- ▶ Can switch between low & high speed mode.

### Feeding System

- ▶ The convenient sliding mechanism allows quick setup and transportation and easy adjustment of the feeding of the crusher host.
- ▶ The iron remover could ensure ideal construction stability.

▶ A recycling device is installed under the feeding system, which ensures a clean working environment for the hydraulic system below.

▶ A quick tipping device is located at the rear of the hopper, enabling faster cleaning in case of blockage.

### Material Return System

- ▶ The material return belt conveyer can be used to discharge materials and even finished products.
- ▶ The return belt conveyor allows for cyclic crushing of the material.

### Conveying System

- ▶ An extra-wide conveyor belt ensures a stable output.
- ▶ The discharge height is designed for handling large piles of material.
- ▶ The return belt conveyor enables material to undergo cyclic crushing.

### Sand Making Machine

▶ It can be configured into two types of crushing chambers: for shaping (stone to stone) or making sand (stone to iron).

▶ Hydraulic controlled machine cover opening & closing, making internal maintenance of the equipment more convenient and fast.

▶ The thin oil lubrication system is equipped with a flow meter and temperature sensor. If the oil temperature is too high, the crusher will automatically shut down to protect the machine from damage.

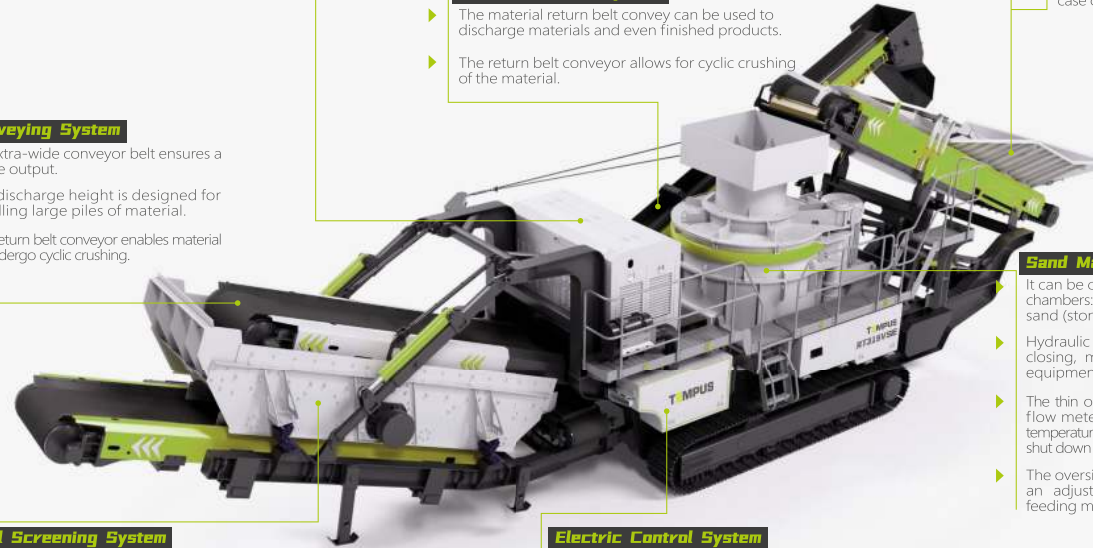
▶ The oversized feeding hopper is equipped with an adjustable distribution tray, making the feeding more uniform.

### Final Screening System

- ▶ Adopting the willow joint process to reduce welding stress and avoid vibration cracking.
- ▶ Super-wide sieving area, high productivity.
- ▶ Side plate vibration motor drive with lower transmission loss and easy maintenance is used.

### Electric Control System

- ▶ Intelligent control panel, one click start/stop control, easy to operate.
- ▶ Equipped with a wireless remote control to reduce support staff.
- ▶ The cabinet cooling device is equipped with an air filter to reduce the probability of dust entering the cabinet.
- ▶ External frequency converter is used to reduce the failure of frequency converter caused by vibration and pollution, and increase the stability of the equipment.



TEMPUS crawler mobile sand maker adopts the most widely used and best-selling sand making machine in the world. This equipment integrates numerous latest research achievements such as crushing technology, hydraulic technology, computer technology, and manufacturing technology. You can choose to shape or sand according to the material processing needs. The products are widely used in building materials, chemicals, highways, mining, highways, high-speed railways, high-rise buildings, etc.

Applicable materials: granite, diabase, basalt, limestone, river pebbles, iron ore, copper ore, dolomite, rhyolite, manganese ore, phosphate rock.

### Continuous Feeding

The crusher is equipped with an oversized feeding hopper, which is equipped with an adjustable dividing plate inside to ensure uniform feeding and make the material particle shape more rounded and stable.

### Linkage Control

The thin oil lubrication system of the crusher host is equipped with a flow meter and temperature sensor. If the oil temperature is too high, the crusher and various conveyors will automatically shut down to protect the machine from damage.

### Pre-sieving

The crusher is equipped with a pre-sieving system, which can increase the output of the entire equipment.

### Transportation & Maintenance

The entire machine is equipped with a hydraulic control system, which can switch the working and transportation status of the equipment by controlling the hydraulic cylinder. Internal maintenance and replacement of vulnerable parts of the equipment can also be opened by controlling the hydraulic cylinder.

### Dust removal & Environment protection

The equipment is equipped with a sprinkler system, and external spraying can effectively reduce dust in the air. The circulating flow of air inside the crushing chamber can effectively guide the flow of internal dust, and there is a sealing device at the discharge position, which can greatly reduce the inflow of internal dust into the outside.

### One Machine for Multiple Purpose

The crusher can change the purpose of the equipment by adjusting the cavity shape, and there are multiple cavity shapes to choose from, including "iron to iron", "stone to iron", and "stone to stone". It can be used for shaping sand and gravel aggregates and sand making operations, which has high flexibility.

### Closed Loop Material Cycling

The crusher is equipped with a material circulation system, sand & gravel aggregates that do not meet the requirements can be re-fed into the crusher for crushing. Of course, this part of sand and gravel aggregates can also be used as end materials.

# RT3YK6020

## Crawler Mobile Screening Plant

Feeding Device	Max. feeding Size	150mm
	Feeding Height	2400mm
	Hopper Volume	3m <sup>3</sup>
Feeding Conveyor Belt	Feeding Capacity	300t/h
	Belt Width	B1000mm
Screener	Screening Area	6000mm*2000mm
	Number of Sieve Layers	3
Coarse Material Conveying Belt	Belt Width	B500mm
	Power	4kW
Medium-Sized Material Conveying Belt	Belt Width	B500mm
	Power	4kW
Fine Material Conveying Belt	Belt Width	B500mm
	Power	4kW
Filler Conveying Belt	Belt Width	B1000mm
	Power	4kW
Whole Machine	Total Power	49.5kW
	Total Weight	32t
	Processing Capacity	120-300t/h
	Working Dimension	12.7m x 13.0m x 5.9m
	Transportation Dimension	14.5m x 3.5m x 3.8m

### Conveying System

- ▶ Ultra-wide belt conveyor ensures stable output.
- ▶ Discharge height is designed for large piles to avoid frequent rotation.
- ▶ Hydraulic folding, transport/working state switch freely

### Belt Conveyor

- ▶ The super wide conveyor belt, combined with a 3 m<sup>3</sup> feeding hopper, ensures the efficient utilization of the screening surface.



### Power System

- ▶ Modular power unit design, equipped with efficient hydraulic system, so that the operation efficiency of the whole machine significantly improved.
- ▶ Good heat dissipation performance, low failure rate.

### Electronic Control System

- ▶ Intelligent control panel, one key start/stop control, simple operation.
- ▶ Equipped with wireless remote control, reduce auxiliary staff.

### Vibrating Screen

- ▶ Large effective screening area: 6000×2000mm.
- ▶ High-power side plate motor is connected to drive the screen, which has high screening efficiency and is easy to maintain.
- ▶ The screen adopts a bonding process to reduce stress concentration and prevent screen cracking.
- ▶ Hydraulic lifting is available to provide enough space for maintenance and screen replacement.

TEMPUS mobile screening station is a highly efficient screening equipment that uses a crawler drive walking mode. It has advanced technology, complete functions, strong power, and convenient transportation, making it suitable for complex and ever-changing construction environments. Because of its unique optimized dynamic design and intelligent process control system, it has a strong, durable, stable and reliable high efficiency screening capacity.

Application scenario: Widely used in screening operations in various crushing and screening processes, including material screening in mining sites, and aggregate screening in crushed asphalt and concrete mixing stations for solid waste resource utilization, such as building demolition, road concrete recycling, and other material screening in various industries.

### High Efficiency Screening

Complete screening system, high efficiency and stability, without on-site installation and debugging, can be quickly put into production.

### Convenient Transportation

Each conveyor belt can be hydraulically folded to realize the whole machine transportation and quick transfer.

### Widely Used

A three-layer screen design is capable of screening four types of materials. Each layer can feature multiple screen surfaces with different mesh sizes.

### Intelligent Operation

Adopting an intelligent wireless remote control device, the equipment has good mobility on site and can adapt to various complex construction environments such as mountains and wetlands. With the control panel and an easy-to-operate control system, the equipment can be conveniently and intuitively controlled.

### Easy Maintenance

The vibrating screen can be raised and lowered by hydraulic pressure and is equipped with a maintenance walkway, which facilitates inspection, maintenance, and replacement of the screen mesh.

### Integrated Control

The use of industrial controller integrated control technology enables the entire machine to be started and stopped with a single button, making the operation simpler.

## RTF260M

Modular Counterattack Crushing and Screening Integrated Machine

Feeding Device	Max.feeding Size	600mm
	Hopper Volume	5m <sup>3</sup>
Vibrating Feeder	Vibrating Motor Power	2*5.5kW
	Crusher Model	Np1213
Crusher	Crusher Motor Power	250kW
	Main Conveying Belt	Belt Width
Mixed Material Conveying Belt	Power	15kW
	Power	11kW
Returned Material Conveying Belt	Belt Width	B1000mm
	Power	5.5kW
Transmission Conveying Belt	Belt Width	B650mm
	Power	3kW
Vibrating screen	Number of Sieve Layers	3
	Screen Mesh Srea	5000mm*1800mm
Whole Machine	Total Power	330kW
	Total Weight	55t
Whole Machine	Working Mode	External Power Supply
	Working Dimension	19.2m*14.7m*4.8m
	Transportation Dimension	Disassembly & Shipping

### Conveying System

- ▶ The ultra wide conveyor belt ensures stable output.
- ▶ The high stacking height effectively solves the problem of frequent material transfer.

### Final Screening Device

- ▶ Equipped with a three-layer screening and return system, it can screen out a variety of different specifications of crushed products.
- ▶ The screening area is as high as 9m<sup>2</sup>, with high screening yield and high screening efficiency.
- ▶ Adopt riveting technology to reduce welding stress and prevent screen box vibration cracking.
- ▶ The side panel motor drive effectively reduces transmission losses and makes maintenance more convenient.

### Crusher Host

- ▶ Integrated casting of super heavy counterattack rotors, with excellent crushing effect and large output.
- ▶ Integrated crushing chamber type, with large capacity and high throughput.
- ▶ High crushing ratio, the crushed material has good particle shape and uniform grading.

### Feeding Hopper

- ▶ The volume is about 5 m<sup>3</sup>.
- ▶ The irregular design of the hopper makes it easier for stones to enter the crushing chamber.

### Vibration Feeder

- ▶ Can independently control the start and stop of the feeder, effectively preventing situations such as material blockage and overloading of the crusher.
- ▶ Using a 2 × 5.5kW vibration motor, the feeding is uniform, effectively reducing the impact on the crusher.

### Pre-Screening System

- ▶ Equipped with a pre-screening system, which effectively screens out viscous materials from raw materials, reduces wear on the crusher, and improves production capacity.

### Hydraulic System

- ▶ The front end is equipped with a hydraulic cylinder to lift the body, providing convenience for screen replacement and maintenance.
- ▶ The conveyor belt can be folded through hydraulic cylinders, making equipment transportation more convenient.

### Electric Control System

- ▶ Intelligent control panel, user-friendly operation interface, one click start/stop operation.
- ▶ Equipped with wireless remote control, the operation is more convenient and safe.

The modular impact crushing and screening station of TEMPUS adopts an integrated design concept, equipped with the NP1213 Metso version of the impact crusher, with strong processing capacity, large crushing ratio, uniform grading, and good product particle shape; The unique three-layer screening design can directly screen out various specifications of finished materials, with an effective screening area of 9m<sup>2</sup>, providing strong guarantees for equipment production capacity and finished product screening purity; The economy is very good, greatly reducing the investment cost of customers.

### Characteristics of The Entire Machine

Adopting an integrated design concept, crushing, screening, electrical, and hydraulic systems are integrated into one set, with a compact structure, strong functionality, with more convenient transportation, and higher economic benefits.

### Strong Crushing Host

Ultra heavy counterattack rotor, with good crushing effect and large output, adopts high wear-resistant materials and deep cavity design, significantly improving equipment processing capacity while reducing wear costs; Equipped with a fully hydraulic discharge port adjustment device, easy to operate.

### Efficient Pre-screening Device

The pre-screening device can effectively remove viscous materials from raw materials and directly screen the crushed particle size materials onto the conveyor, effectively improving production capacity.

### Unique Screening System

Adopting a three-layer sieve for screening, the crushed materials have diverse specifications; The vibrating screen has a large effective screening area, high efficiency and stability; Hydraulic lifting is possible, leaving enough space for maintenance and replacement of the screen.

### Stable Host Rack

The frame is designed to be heavy-duty and made of first-class steel, which is solid, stable, and reliable.

### Easy Maintenance

There is a safety observation platform around the equipment, making maintenance and upkeep more convenient.

# RTF350M

## Modular Impact Crushing Plant

Feeding Device	Max.feeding Size	600mm
	Hopper Volume	5m <sup>3</sup>
Vibrating Feeder	Vibrating Motor Power	2*5.5kW
	Crusher Model	Np1313
Crusher	Crusher Motor Power	250kW
	Main Conveying Belt	Belt Width
Mixed Material Conveying Belt	Power	15kW
	Returned Material Conveying Belt	Belt Width
Transmission Conveying Belt	Power	11kW
	Vibrating screen	Belt Width
Number of Sieve Layers		1
Whole Machine	Power	5.5kW
	Screen Mesh Srea	4500mm*1500mm
	Total Power	309kW
Whole Machine	Total Weight	56t
	Working Mode	External Power Supply
	Working Dimension	18.3m×5.4m×4.8m
	Transportation Dimension	Disassembly & Shipping



### Conveying System

- ▶ Super wide conveyor belt to ensure stable output.
- ▶ Discharge height is designed for large piles to avoid frequent rotation.
- ▶ The return conveyor belt can break the material in closed loop.

### Crusher Host

- ▶ Heavy rotor + double cavity structure, high crushing ratio, high output.
- ▶ The final product has good grain shape: gold hydraulic counter plate discharge port adjustment device, easy maintenance.

### Feeding Hopper

- ▶ 5 meters cubed of volume.
- ▶ Hopper irregular design, stone more easily into the crushing bin.

### Vibrating Feeder

- ▶ The vibration frequency can be controlled independently, effectively preventing the machine from clogging.

### Final Screening Device

- ▶ Riveting process is adopted to reduce welding stress and avoid vibration cracking.
- ▶ Large screening area, high yield.

### Electric Control System

- ▶ Intelligent control panel, A start/stop control, simple operation.
- ▶ Equipped with wireless remote control, reduce auxiliary staff.

The TEMPUS modular counterattack crushing station has a compact structure and integrated design, with a small construction area. The crushing host adopts new manufacturing technology and a unique structural design, resulting in a higher crushing ratio, stronger crushing capacity, and finished products that are cubical with no tension or cracks. The particle shape is good, and the size of the discharge particle can be adjusted by hydraulic pressure, with diversified crushing specifications. It has a low investment cost and good economy.

Application scenario: it is widely used in coarse crushing and medium crushing in various medium hardness crushing processes, as well as for crushing all types of mine rocks. It is suitable for industries such as highway, railway, water conservancy, electricity, and construction. It is used for the production of sand and stone for construction purposes and for crushing and recycling various types of slag, cave slag, waste asphalt concrete, and tailings and waste rock.

### Machine Characteristics

Suitable for fixed place, bright stability, high performance cost ratio.

### Stable Host Rack

The host rack is suitable for heavy design, using first-class steel, solid and reliable.

### Strong Crushing Host

RTPF series crushing machine perfect combination of heavy rotor; high wear-resistant material, and reasonable crushing chamber design, significantly improve production capacity and product grain quality, reduce wear costs; Equipped with fully hydraulic counter plate discharge port adjustment device, more convenient operation.

### Advanced Control System

Adopting a dual control mode of wireless remote control and local operation, with a high-definition display screen, making visual operation more convenient.

### Intelligent Feeding System

The vibrating feeder adopts automatic frequency conversion feeding, which can adjust the feeding frequency by monitoring the size of the main broken motor, so as to control the load size of the main engine and reduce the collision rate of the equipment.

### Easy Maintenance

There is a safety observation platform for the silo and main engine, which can make the maintenance and overhaul more convenient.

# RTP450M

## Modular Impact Crushing Plant

Feeding Device	Max.feeding Size	700mm
	Hopper Volume	6m <sup>3</sup>
Vibrating Feeder	Vibrating Motor Power	2*5.5kW
Crusher	Crusher Model	Np1415
	Crusher Motor Power	280kW
Main Conveying Belt	Belt Width	B1000mm
	Power	15kW
Mixed Material Conveying Belt	Belt Width	B1000mm
	Power	11kW
Returned Material Conveying Belt	Belt Width	B650mm
	Power	5.5kW
Transmission Conveying Belt	Belt Width	B500mm
	Power	3kW
Vibrating screen	Number of Sieve Layers	2
	Screen Mesh Srea	6000mm*1800mm
Whole Machine	Total Power	364kW
	Total Weight	62t
	Working Mode	External Power Supply
	Working Dimension	21m×10m×5.3m
	Transportation Dimension	Disassembly & Shipping

### Conveying System

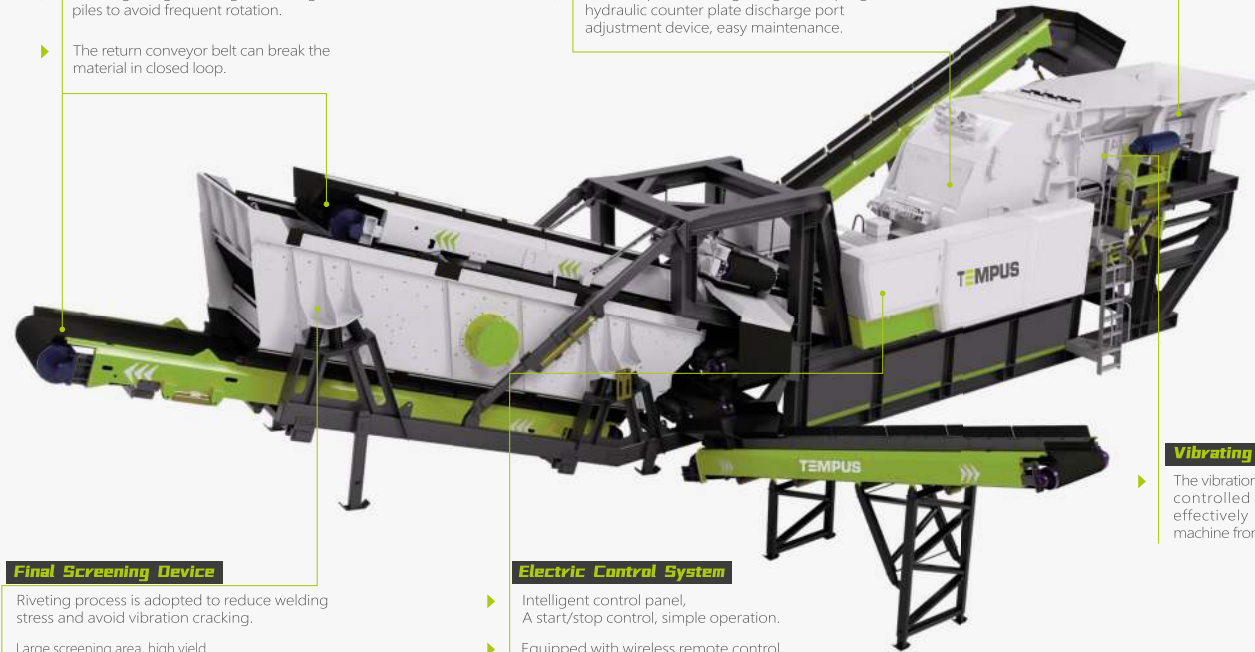
- ▶ Super wide conveyor belt to ensure stable output.
- ▶ Discharge height is designed for large piles to avoid frequent rotation.
- ▶ The return conveyor belt can break the material in closed loop.

### Crusher Host

- ▶ Heavy rotor + Three-cavity structure, high crushing ratio, high output.
- ▶ The final product has good grain shape: gold hydraulic counter plate discharge port adjustment device, easy maintenance.

### Feeding Hopper

- ▶ 6 meters cubed of volume.
- ▶ Hopper irregular design, stone more easily into the crushing bin.



### Final Screening Device

- ▶ Riveting process is adopted to reduce welding stress and avoid vibration cracking.
- ▶ Large screening area, high yield.

### Electric Control System

- ▶ Intelligent control panel, A start/stop control, simple operation.
- ▶ Equipped with wireless remote control, reduce auxiliary staff.

### Vibrating Feeder

- ▶ The vibration frequency can be controlled independently, effectively preventing the machine from clogging.

TEMPUS modular impact crushing plant has compact structure, integrated design and small footprint; the crusher adopts new manufacturing technology and unique structural design, which makes its crushing ratio larger and crushing capacity stronger; the processed finished product is cubic without tension and cracks, and the grain shape is quite good. The discharge size can be hydraulically adjusted to diversity the crushing specifications. The investment cost is low and the economy is good.

### Powerful Crusher

RTPF series crusher combines heavy-duty rotor, high wear-resistant materials and reasonable crushing chamber; which greatly improves the capacity and product quality, and reduces the cost of wear and tear. In addition, it is equipped with full hydraulic counter-attack plate discharge opening adjusting device, which makes the operation more convenient.

### Efficient Pre-screening Device

By processing the raw material through the pre-screening device, the sticky material can be excluded directly through the conveyor, and the medium-sized material can be sent directly to the conveyor to increase the output of the equipment.

### Independent Control System

The control system has an independent box structure and can be equipped with air conditioning and monitoring systems, which greatly reduces the influence of dust, temperature, water and other unfavorable factors on the control system.

### Simple Maintenance

There is a safety observation platform around the feed bin and the mainframe, which can be used to learn about the feeding situation and make the maintenance and repair more convenient.

### Stable Host Rack

The frame is strong and reliable with a heavy-duty design and the use of premium steel.



**Belt Conveyor**

▶ The super wide conveyor belt, combined with a 3 m<sup>3</sup> feeding hopper, ensures the efficient utilization of the screening surface.

**Conveying System**

- ▶ Ultra-wide belt conveyor ensures stable output.
- ▶ Discharge height is designed for large piles to avoid frequent rotation.
- ▶ Hydraulic folding, transport/working state switch freely.

**Vibrating Screen**

- ▶ Large effective screening area: 6000×2000mm.
- ▶ High-power side plate motor is connected to drive the screen, which has high screening efficiency and is easy to maintain.
- ▶ The screen adopts a bonding process to reduce stress concentration and prevent screen cracking.
- ▶ Hydraulic lifting is available to provide enough space for maintenance and screen replacement.

<b>RT3YK6020M</b>		
<b>Modular Screening Plant</b>		
Feeding Device	Max. feeding Size	150mm
	Feeding Height	2400mm
	Hopper Volume	3m <sup>3</sup>
Feeding Conveyor Belt	Feeding Capacity	300t/h
	Belt Width	B1000mm
Screener	Screening Area	6000mm*2000mm
	Number of Sieve Layers	3
Coarse Material Conveying Belt	Belt Width	B500mm
	Power	4kW
Medium-Sized Material Conveying Belt	Belt Width	B500mm
	Power	4kW
Fine Material Conveying Belt	Belt Width	B500mm
	Power	4kW
Filler Conveying Belt	Belt Width	B1000mm
	Power	4kW
Whole Machine	Total Power	49.5kW
	Total Weight	24t
	Processing Capacity	120-300t/h
	Working Dimension	12.7m×13.0m×5.9m
	Transportation Dimension	Disassembly & Shipping

The TEMPUS modular screening station is a highly efficient screening equipment with strong, durable, stable, and reliable high-efficiency screening capabilities. Additionally, it has good economy and low investment costs.

Application scenarios: it is widely used in screening operations in various crushing and screening processes, such as screening of mining materials and aggregates in crushing asphalt and concrete mixing stations, and solid waste resource utilization, including house demolition, road concrete recycling, and material screening in other industries.

**Easy Maintenance**

The vibrating screen can be raised and lowered by hydraulic pressure and is equipped with a maintenance walkway, which facilitates inspection, maintenance, and replacement of the screen mesh.

**Independent Control System**

The control system is an independent box structure that can be equipped with air conditioning and monitoring systems, greatly reducing the impact of adverse factors such as dust, temperature, and water on the control system.

**Integrated Control**

The use of industrial controller integrated control technology enables the entire machine to be started and stopped with a single button, making the operation simpler.

**High Efficiency Screening**

Complete screening system, high efficiency and stability, without on-site installation and debugging, can be quickly put into production.

**Widely Used**

A three-layer screen design is capable of screening four types of materials. Each layer can feature multiple screen surfaces with different mesh sizes.

**Machine Characteristics**

Suitable for fixed locations, with high stability and cost-effectiveness.