

# Sandvik UJ516E Wheeled jaw crusher

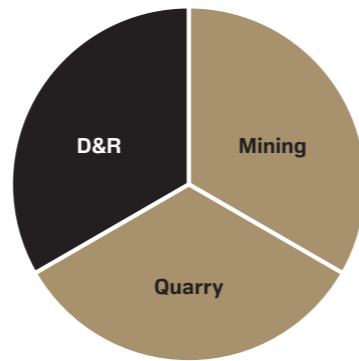


# Crush with confidence Crush with Sandvik



The Sandvik UJ516E is the latest innovation in our line of heavy-duty, fully electric primary crushing units. Designed with sustainability, productivity, and ease of setup in mind, this wheeled jaw crusher is ideal for large quarries and mines. Mounted on a quadruple axle bogie and fully assembled on a single trailer frame, the UJ516E is ready to tackle the toughest environments with minimal downtime.

Powered entirely by electricity, the UJ516E reduces emissions and minimizes environmental impact, making it a perfect choice for eco-conscious operations. Its electric drive system ensures reliable performance with lower maintenance requirements, contributing to a more sustainable future.



### Sustainability

Our purpose is to make the shift and advance the world through engineering. We have a unique contribution to make in helping to create a net zero, circular and regenerative world.

The future of rock processing will be net zero with equipment forming part of a circular value chain. Equipment will be powered by fossil-free energy and designed for maximum energy efficiency. Rock processing will be circular and highly productive, enabling customers to extract maximum value from resources from their mining or infrastructure applications, while minimizing waste and energy intensity.

<b>Circularity:</b> More than 90% circular	
<b>Climate:</b> Halve the CO <sub>2</sub> impact	
<b>Champion people:</b> Zero harm to people	
<b>Play fair:</b> Always do the right thing	



# Maximize your productivity

## Crush more, worry less

Featuring the highly reliable and productive CJ412 jaw crusher, the UJ516E offers high performance with minimal downtime. All onboard components are electrically driven, providing exceptional reliability and minimal maintenance. The heavy-duty chassis beams and premium quality components ensure durability and longevity, even in the most hostile environments.

With a large intake opening of 47" x 33" / 1200 x 830 mm, hydraulically adjustable jaw with a choice of different jaw plates and settings, the UJ516E is designed to maximize your output. The step-less regulation of the feeder and level sensor over the jaw crusher optimize production, while the compact size under the grizzly screen enables quick removal of large amounts of fines.

The UJ516E is designed with safety and ease of maintenance in mind. It features easily accessible maintenance platforms with handrails and access ladders, multiple emergency stop buttons, and crusher-mounted safety guards. The removable and height-adjustable electrical control panel can be located on the ground during operation, ensuring safe and easy access for service and maintenance.

Electric drives provide the flexibility to run either from an independent genset or mains grid ensuring optimum running conditions at a lower cost

Feed station hydraulically lifts off to allow for transport in two pieces

Crusher bypass chute complete with bolt in wear liners and removable access panel for inspection/maintenance

Motorized pulleys on the main and natural fines conveyors reduce oil changes. Meaning there is less time spent servicing and maintaining the crusher and provides a safer working environment

Large chamber opening of 47 x 33" / 1200 x 830 mm allows unrestricted material flow into the chamber ensuring continuous production

CSS hydraulic adjust ensures quick production changes and limits unnecessary downtime

Natural fines conveyor with telescopic head section provides greater discharge height to allow feeding of external stockpile conveyors

Level sensors at the jaw, main conveyor and natural fines conveyor ensure the feeder control is based on actual stockpiling and jaw level, preventing damage and overfill on the equipment. This allows you to optimize machine performance for greater uptime and profitability

Service platforms on both sides of the crusher allow for safe and stable access to the unit, reducing time spent servicing and maintaining the crusher and providing a safer working place



# UJ516E

## Overband magnet

- Suspended magnetic separator effective for removal of unwanted metals
- Ideal for wet, dry fine or coarse material in large or small tonnages
- Greater magnetic coverage and optimal depth control due to installed turn buckles with individual adjustment
- UL-certified bi-directional gearmotor enables the conveyor to take discharge from either the left- or right-hand side, depending on the site's requirements
- All bearings greased from ground level

## Main conveyor

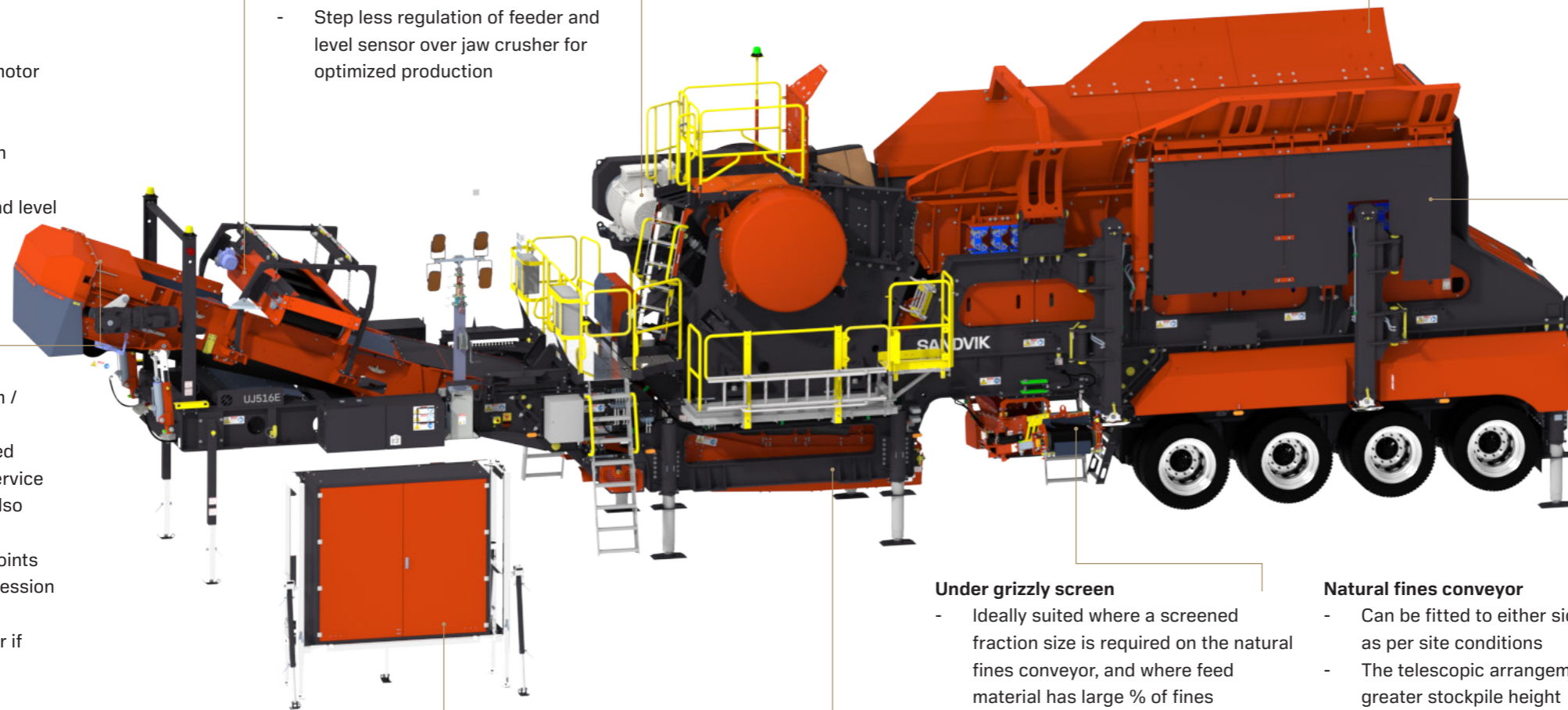
- Ready-to-use for quick setup
- Hydraulic adjustment up to 3.1m / 10.2' approx stockpile height.
- Heavy duty motorized pulley filled with synthetic oil extends the service range up to 50,000 hours and also delivers higher capacity
- Belt cleaners on all discharge points
- Water spray bars for dust suppression
- A level monitor system above the conveyor stops the conveyor if the stockpile is full

## Safety

- All-around access system that simplifies inspection and maintenance
- Adjustable raise and lower tower light with 4 individual LED lights directed to any position
- Ensures safe movement with self-closing gates at height
- Hydraulically operated side platforms for quick setup

## Jaw crusher

- Sandvik CJ412 jaw crusher
- Large intake opening of 1200 x 830 mm / 47" x 33"
- Hydraulically adjustable jaw setting to maximize your output
- Choice of jaw plates and settings for a wide range of applications
- Step less regulation of feeder and level sensor over jaw crusher for optimized production



## Control panel

- Soft starter ensures smooth startup and extends the life of jaw crusher and reduces diesel generator set size
- VFD and radio remote control box helps to adjust feeder speed to control feed rate to jaw crusher
- Free standing type panel mounted on frame is easy to setup on ground for operation
- Telematics fitted which will report operating hours and GPS location. Can be viewed on dealer portal

## Chassis

- FEA optimized heavy duty chassis frame with two bolted sections for easy transportation and durable operation
- Hydraulically adjustable telescopic legs for quick setup and transportation
- Easy to fit and remove, quad-axle bogie provided with EBS
- Rear and side protective devices, safety lights and retro reflectors provided for road safety

## Under grizzly screen

- Ideally suited where a screened fraction size is required on the natural fines conveyor, and where feed material has large % of fines
- High capacity due to free fall principle
- Double deck screen – top deck may be used as breaker deck
- Blanking deck options available

## Natural fines conveyor

- Can be fitted to either side of the unit as per site conditions
- The telescopic arrangement offers greater stockpile height
- The higher efficient and no maintenance heavy duty motorized pulley 220M filled with synthetic oil extends the service range up to 50,000 hours. It also delivers higher capacity
- Water spray nozzle provided for effective dust suppression at the discharge end
- Conveyor easily folded up hydraulically for transport position
- Remote grease lines allow for greasing from one location

## Feed hopper

- Heavy duty hydraulic folding hopper with patented lift and tilt rear door locking mechanism
- Ground level set up for faster and safer machine set up
- FEA optimized design for maximum strength, rigidity and weight utilization
- Curved wing profile for improved material flow, maximum strength and transport considerations
- Rubber mounted locking spigots designed to attenuate high shock loads and increase durability
- Hopper sides manually locked out from ground level – ladder access provided
- Curtain assemblies at the rear and each side to protect cylinders and hoses from material
- Bolt on hopper extensions (sides)
- Hopper capacity up to 7.8 m<sup>3</sup> / 10.2 yds<sup>3</sup>, with extensions up to 13.8 m<sup>3</sup> / 18 yds<sup>3</sup>

## Feed station assembly

- Heavy duty chassis frame made as one complete section for easy transportation and durable operation
- Hydraulically raise and lower telescopic legs provided for easy setup on and off the chassis assembly
- Umbilical remote control for telescopic legs for clear views for lift on / off to the chassis assembly and for putting rear and both side hopper doors into working and transport positions
- Chassis provided with six tie down bracket lugs for secure shipping
- Chassis has four lifting eye locations for crane lift
- Two rear access doors for easy access to the powerpack

# Aftermarket offering

We have an unrivalled aftermarket offering that you can rely on for commitment and high levels of service no matter what happens. Our aim is to keep your uptime to an absolute maximum.

Our parts and service team is part of a Global Support Centre dedicated to delivering unparalleled service. It is bolstered by an extensive distributor network spanning over 100 locations worldwide.

As the market leader, our products are synonymous with exceptional quality, superior performance, and unmatched reliability. In the event of natural wear or unforeseen circumstances, our commitment is to rapidly and economically dispatch the necessary parts.

Our Aftermarket facility houses an expansive inventory of parts, ensuring that you have access to authentic Sandvik Spare and Wear Parts, which are pivotal in maintaining optimal operational performance.

**Our range includes:**

- Manganese wear parts
- Filter kits
- Wear protection

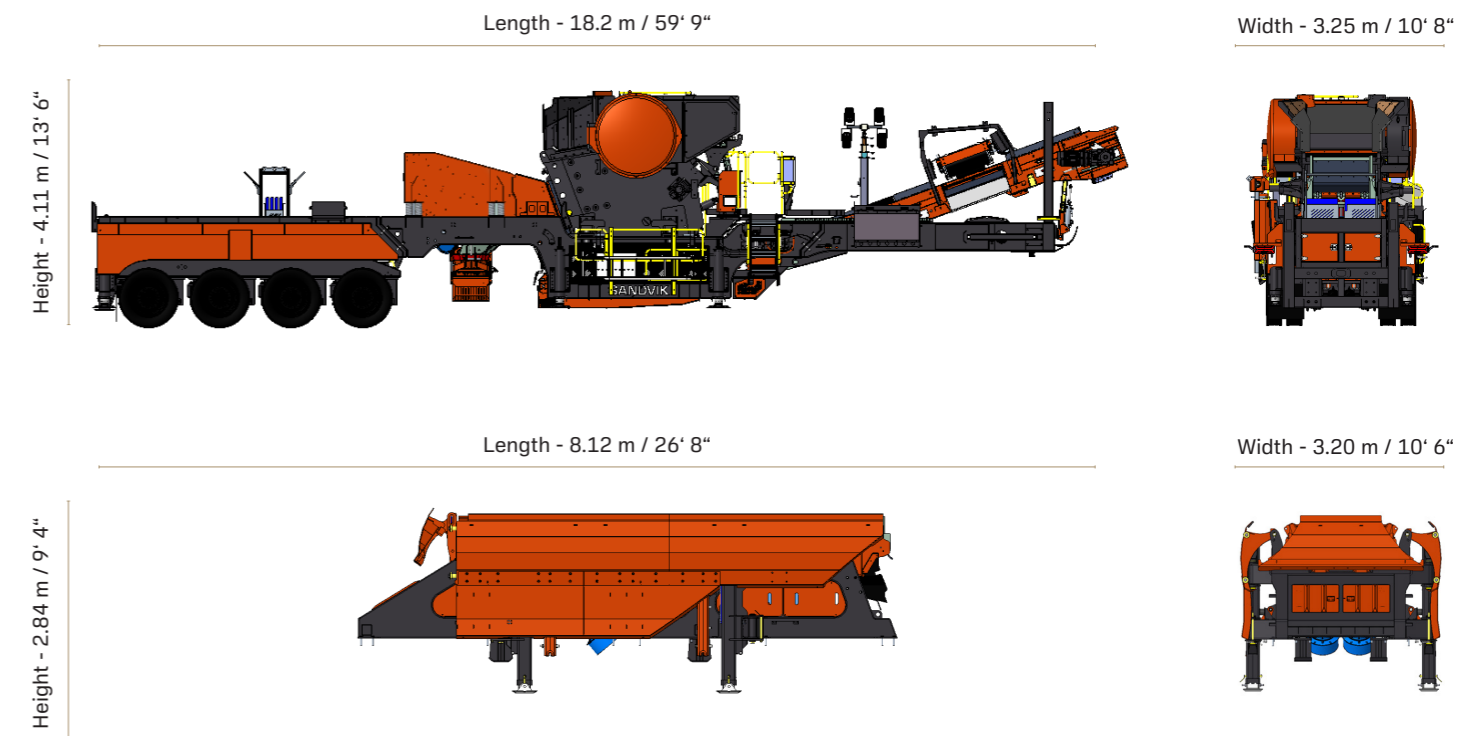
We want to make sure your downtime is minimal and enable you to lower your costs. We also offer a range of Service and Maintenance Programmes for all our products designed to suit your requirements.

**Security+**

Our standard warranty coverage is 2 years or 3,000 hours (whichever comes first). Should you wish to take out extended coverage to give you peace of mind and keep your equipment operating efficiently, we offer our Security+ package. Through this extended warranty service agreement you can plan and manage your maintenance budget, with the reassurance that your machine is receiving the best support available with the added value of a full service history.



# UJ516E dimensions



**Transport dimensions chassis (without feed-station)**

Height	4.11 m / 13' 6"
Width	3.25 m / 10' 8"
Length	18.2 m / 59' 9"
Standard weight	60,000 kg / 132,277 lbs

**Transport dimensions feed-station**

Height	2.84 m / 9' 4"
Width	3.20 m / 10' 6"
Width (with extensions)	3.90 m / 12' 10"
Length	8.12 m / 26' 8"
Standard weight	20,000 kg / 44,092.5 lbs

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