



Sandvik unveils latest electric crushers and screens - Pioneering sustainable innovation

IMAGE SOURCE: Sandvik Rock Processing Solutions

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- Sandvik Mobile Crushing and Screening introduces the QH443E electric-driven cone plant, enhancing sustainability and productivity.
- The QH443E features a diesel/electric generator-based drivetrain, Optik™ automation, My Fleet remote monitoring, and the Sandvik CH440 Hydrocone crusher.
- The QH443E offers up to 25% fuel savings and a 78% reduction in oil usage compared to previous models.

- The QH443E completes Sandvik's electric train, which includes the UJ443E electric jaw crusher and the QA452e hybrid triple-deck Doublescreen.
- Both the UJ443E and QH443E can operate via an external electricity supply or onboard genset, reducing running costs and emissions.
- The QH443E will be available in Europe from mid-March and globally later in 2025.

Sandvik Mobile Crushing and Screening proudly announces the completion of its new electric tracked crushing and screening train, setting new industry benchmarks for sustainability, productivity, and fuel efficiency.

One platform, endless possibilities

The new QH443E is Sandvik's flagship Q-Range electric-driven cone plant. It takes a significant step towards bridging the gap between tracked mobile, wheeled portable, and stationary plants by combining electric drives and track mobility on a single platform.

The QH443E features an updated tracked platform with a diesel/electric generator-based drivetrain, Optik™ automation system, My Fleet remote monitoring, and the renowned Sandvik CH440 Hydrocone crusher.

This advanced cone crusher is known for its versatility and ease of setting adjustment through the Hydroset CSS regulation and protection system, which optimizes production and keeps track of liner wear through the CLP, Constant Liner Performance technology. With a choice of several chambers, throws and settings for a wide range of applications, this enables you to fine tune your specification and improve capacity.

Running the QH443E via the onboard genset can result in up to 25% fuel savings and a 78% reduction in oil usage compared to previous generations.

Combining electric drive technology with tracked mobility, the QH443E is designed with safety, sustainability, and total cost of ownership in mind. Making it ideal for secondary or tertiary crushing in aggregate production, quarries, and mines.

Electric tracked train

The QH443E electric cone crusher completes Sandvik's revolutionary electric train, which includes the UJ443E fully electric jaw crusher (launched in 2023) and the QA452e hybrid triple-deck Doublescreen

(launched in 2022).

Built on a new fully electric track platform, the Sandvik UJ443E features high-quality components and the latest generation Sandvik **CJ412** jaw crusher. It offers up to 25% reduction in fuel consumption and up to 30% increase in throughput compared to previous models. The fully electric track drives also reduce hydraulic oil usage by up to 91%.

The renowned Sandvik QA452e Doublescreen technology typically outperforms traditional screens by up to 30% offering a tailored rock processing solution for mining, quarry & recycling industries. Its hybrid “e” drive lets you choose your most economical and efficient energy source.



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Engineered for today, powered for tomorrow

Both the UJ443E and QH443E feature an onboard genset and electrically driven components onboard. This setup allows both units to operate either by connecting to an external electricity supply or via the onboard genset using HVO or diesel.

Using an external supply or grid connection provides further advantages, including significantly lower running costs, extended drivetrain service intervals, reduced refueling time, minimal onsite emissions, and lower noise levels.

Additionally, the alternator is sized accordingly so that a downstream screening plant could be operated from the plant's onboard genset, simplifying servicing and maintenance and improving overall fuel consumption whilst also providing up to 20% decrease in fuel consumption compared to running separate units.

"Sandvik Mobiles has always been at the forefront of innovation, and completing the development of our tracked electric train marks a significant step towards a more sustainable and cost-effective future for the crushing and screening industry," said Manny Maloney, President, Sandvik Mobile Crushing and Screening Division. "This is just the beginning of our commitment to developing solutions that improve the productivity, safety, and sustainability of our customers' operations. With its advanced capabilities, this technology is also particularly well-suited for heavy-duty applications, including large quarries and mining operations, where maximizing uptime and reduced environmental impact are critical."

The UJ443E and QA452e are available for order through Sandvik Mobile's global network of sales areas and distributors. The QH443E will be available in the European market from mid-March and globally later in 2025.

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Sandvik CJ412 On LECTURA Specs