

EDGE INNOVATE SEPARATES ITSELF FROM THE PACK

HOW CAT® ENGINES ARE POWERING THE SCREENPRO'S SUCCESS



CUSTOMER:

[EDGE Innovate](#)

PRODUCT:

SCREENPRO S16
Scalping Screen

LOCATION:

UK and Ireland

ENGINE MODEL:

CAT® C3.6

CAT® DEALER:

Finning UK & Ireland

EDGE Innovate is a global leader in designing and manufacturing state-of-the-art equipment for recycling and material handling. With headquarters in Ireland, EDGE Innovate serves companies in over 70 countries, with the majority of its business in North America, Europe and Australia. EDGE Innovate has been making innovative products for recycling technology since 2010.

INTRODUCING THE EDGE INNOVATE SCREENPRO S16 SCALPING SCREEN

The SCREENPRO S16 mobile scalping screen is the company's latest innovation. Designed to be both compact and powerful, the S16 can process a variety of materials, including aggregates, construction debris and recycled materials. It's mainly used for the separation of aggregate material into distinct sizes for products like concrete, landscaping stone and road base material. The S16 is a mobile unit with remote functionality that enables safe control of tracking, conveyor speed and sequential start-up from distances up to 100m.

CHANGING THE INDUSTRY WITH POWER AND VERSATILITY

A scalping screen separates crushed stone into three different-sized grades: oversize, midsize and fines material. Not all stone is equal, as unique attributes are important for each application.

"With the S16, different types of media are used, depending on the size, shape, complexity and humidity of the product you want," says EDGE Innovate Global Sales Manager, Tom Connolly. "EDGE Innovate specialises in those variables, making sure that the type of media selected is best processed for your application."

The S16 features a wire mesh deck for fines material, which has proven to be the most durable. A working quarry is packed with sizeable equipment. The S16 is mobile and compact (16' by 5'), allowing it to work nimbly alongside large machines like crushers, breakers, feeders and trucks. The mobile track drive provides maneuverability on rough quarry terrain.



POWER PROFILE

A RESILIENT ENGINE FOR ROUGH CONDITIONS

EDGE Innovate has used Cat® engines in most of its machines, since the company's inception 15 years ago. The S16 is powered by the Cat C3.6 100kW (134HP) dual rated EPA Tier 4 Final & EU Stage V engine. A single C3.6 is used to provide propulsion, conveyor belts and screening of the machine. The reliability and durability of the C3.6 is a key selling point for machines used in rough quarry conditions.

"The Caterpillar engine provides ample power for the machine to operate with track drive propulsion," says Connolly. "That means the machine can be used in quarries or more populous locations like warehouses. It'll likely stay put for the life of the job but can be easily moved when it's required."

One of the most important features of the Cat C3.6 is its ability to maintain performance under changing ambient and load conditions. "We have machines working in dusty warehouses or places with high humidity," says Connolly. "The C3.6 performs regardless of the situation, and that's key for our end users."

EDGE Innovate's engineering team worked with Caterpillar and Finning engineers to maximise performance. EDGE Innovate's OEMs can feel secure that the C3.6 will perform because Caterpillar conducts an installation audit on the first of any new machine. [Finning engineers work with OEMs](#) to test that the engine has the right specifications for each application. "That's a key strength for us," says Connolly. "Through our collaboration with Finning, we're able to closely analyse engine performance using data such as oil flow, RPMs and temperature. This insight allows us to continuously refine and optimise our designs at the factory, ensuring every machine delivers maximum performance and efficiency."

A COLLABORATION THAT HELPS CRUSH THE COMPETITION

Creating a superior product is only half the work. Equipment needs to be designed to fit a customer's needs and supported if something goes wrong. That's where the global Caterpillar dealer network comes in. Caterpillar helps deliver a high level of product support in the many markets EDGE Innovate serves. "It's the path of least resistance for us," says Connolly. "Our relationship with Caterpillar and the relationships our customers can have with Caterpillar go hand-in-hand. The fact our customers know and trust Caterpillar is one of the main reasons we continue to choose them for our engines."

Finning engineers played a key role in supporting the design of the S16. "Our in-house expertise, combined with Finning's specialist engine knowledge, ensure we get the very best out of every installation," says Connolly. "That collaboration allows us to fine-tune our approach and consistently deliver optimal performance."

COMING TO A QUARRY NEAR YOU

EDGE Innovate has sold S16 units in North Africa, the Caribbean islands, Ireland and the Philippines. The rental market represents an ever-increasing percentage of overall machines distributed in North America. EDGE Innovate distribution partners take advantage of short-term rentals to generate additional revenue. "If there's a location with a new road being built, a quarry with a particular stone will see high demand for months," says Connolly. "Contractors and municipalities will need a machine quickly to size that material. Our distribution partners will offer a rental of the S16 to complete the job."



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—Tom Connolly, EDGE Innovate Global Sales Manager