

POWER PROFILE: TRENCHING THROUGH THE TOUGHEST TERRAINS WITH TRENCOR

# TRENCHING THROUGH THE TOUGHEST TERRAINS

**TRENCOR**

**LOCATION:**

West Salem, Ohio

**SCOPE OF ENGINE USE:**

Cat® C18 Industrial Diesel Engine

**CAT DEALER:**

Ohio Cat

<http://www.ohiocat.com>

**WEBSITE:**

<https://trencor.com>



**FEATURED TOPIC:**  
Industrial Engines

Between oil, natural gas and renewable resources like solar and wind, it takes a great deal of energy to keep the world running as we know it. But before our energy sources can be harvested, pipes and cables must be prepped for. No other digging machines tackle this challenge quite like trenchers, as they can quickly dig out trenches to the necessary width and depth without the need for heavy backfilling.

Trencor has been one of the global leaders in large-scale trenchers and surface miners since 1945, with manufacturing and assembly all completed in the United States. Many of Trencor's active machines have logged more than 40,000 hours, standing as a testament to the brand's high quality and durability.

## TRENCOR T14 TRENCHER

Launched in late 2020, the upgraded T14 Trencher combines Trencor's premium, heavy-duty construction and mechanical power transmission powered by the Cat® C18 industrial diesel engine. Manufactured with a thick steel mainframe and one-inch side plates, the T14 boasts a more rugged, heavier design than its competition that reduces bouncing for smoother and safer operation. Fitted with a chain broom and flexible speed capabilities, the machine is able to withstand hard rock trenching and take on a wide range of applications. That allows for easier, more effective trenching for widths from 18 inches to six feet wide and depths reaching 30 feet.

On oil and gas pipelines, as well as wind and solar farms in remote locations like West Texas, reliability is essential. The T14 delivers in even the harshest environments and receives engine support from Caterpillar's extensive global dealer network.

## CONVERTING TO CATERPILLAR

While Trencor's larger trenchers were equipped with Cat engines, their smaller and mid-size product offerings featured competing brands. That changed in 2020 after a series of customer requests. With the T14's launch, all current and future



Trencor trenchers and surface miners now feature Cat power with dual compliance for U.S. Tier 4 Final and EU Stage V emissions regulations.

“Our customers prefer Caterpillar and they are trained and certified to work on Cat engines. They also can get good support and parts from the Cat dealer network, so that was a big push behind the move for us,” explained Steve Seabolt, director of product management for Trencor.

## CAT® C18 ENGINE

Working directly with Ohio Cat, Trencor fitted its T14 Trencher with the power-dense C18 engine. With 755 horsepower, the C18 provides the necessary power to dig through medium to medium-hard soils, rip through roots and contend with rocky materials during the trenching process.

“Where every pound of weight helps you, every bit of horsepower that you can get to the ground through the digging chain is a big help. Moving to Cat engines allowed us to reach the higher horsepower that we were looking for,” shared Seabolt.

## MORE TO COME

Trencor’s new developments won’t end with the redesigned T14. Two smaller-scale trenchers are also in the works. The T10 model has a completed prototype and will soon be undergoing field testing and engine certification, while the T13 model has made its way to the drawing board. Like the T14, both of these new machines will also feature Cat engines.



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