

Advanced Trenching



T E C H N O L O G Y

**Vermeer® Trenchers —
Specifically Designed
To Dig A Better
Trench**



SUPERIOR

Faster, Cleaner and Better Trenches — the Trencher Advantage

Vermeer trenchers are designed to simultaneously cut, excavate and manage excavated earth. Depending on the trencher model, trenchers can be used for a variety of applications ranging from small-scale projects, such as shallow utility installation in soil, up to larger applications like deep mainline installation through rock. Because it is faster and requires less labor, the key benefit of trenching is an overall lower cost of production per foot. Trenches made with this method are cleaner, more stable and feature better grading. Many times, trenching will also allow you to use excavated material as backfill.

Vermeer has long been a leader in trencher design technology and knows what it takes to keep trenchers profitable and efficient. With proper maintenance, a trencher will last for many years of productive performance. Your Vermeer trencher combined with the Vantage Track Warranty Program offers an unbeatable combination of trenching capabilities backed by an industry-leading trencher maintenance program.

Traditional Trenching Methods



Excavators produce non-uniform trenches with uneven floors. Spoil is often unusable as backfill and trench production is slow.



Backhoes exhibit limitations similar to those of excavators and require more time for trench production.



Blasting is often prohibited. When it can be used, it creates uneven trenches that require extra labor in excavation, compaction and finishing. Additionally, spoil generated by blasting is oftentimes unusable as backfill.



Vermeer trenchers create uniform trenches with specific dimensions in one pass — and because there is less material moved, the process allows faster opening and closing of trenches. The walls are vertical; the bottom of the trench is straight and at a controlled grade — all of which contribute to less finishing and secondary excavation.

PERFORMANCE

Large-Scale Trenching Projects



A trencher conveyor belt transports excavated dirt or rock to either side of the trench, where it can then be used as backfill material.

Large trenchers use a combination of high horsepower and weight to achieve superior trenching performance. Weight keeps the trencher stable and on course; horsepower creates the force needed to excavate the trench.

A boom houses the trencher chain and teeth that facilitate the cutting and excavation process. Booms are lowered into the earth to create a trench and are adjustable to different depths. Sectionalized booms offer easy changeover.

Large trenchers can be used to create trenches in most types of earth, including dirt, clay, shale, caliche and most solid rock. Setups can easily be changed to increase or decrease the width and/or depth of the trench.

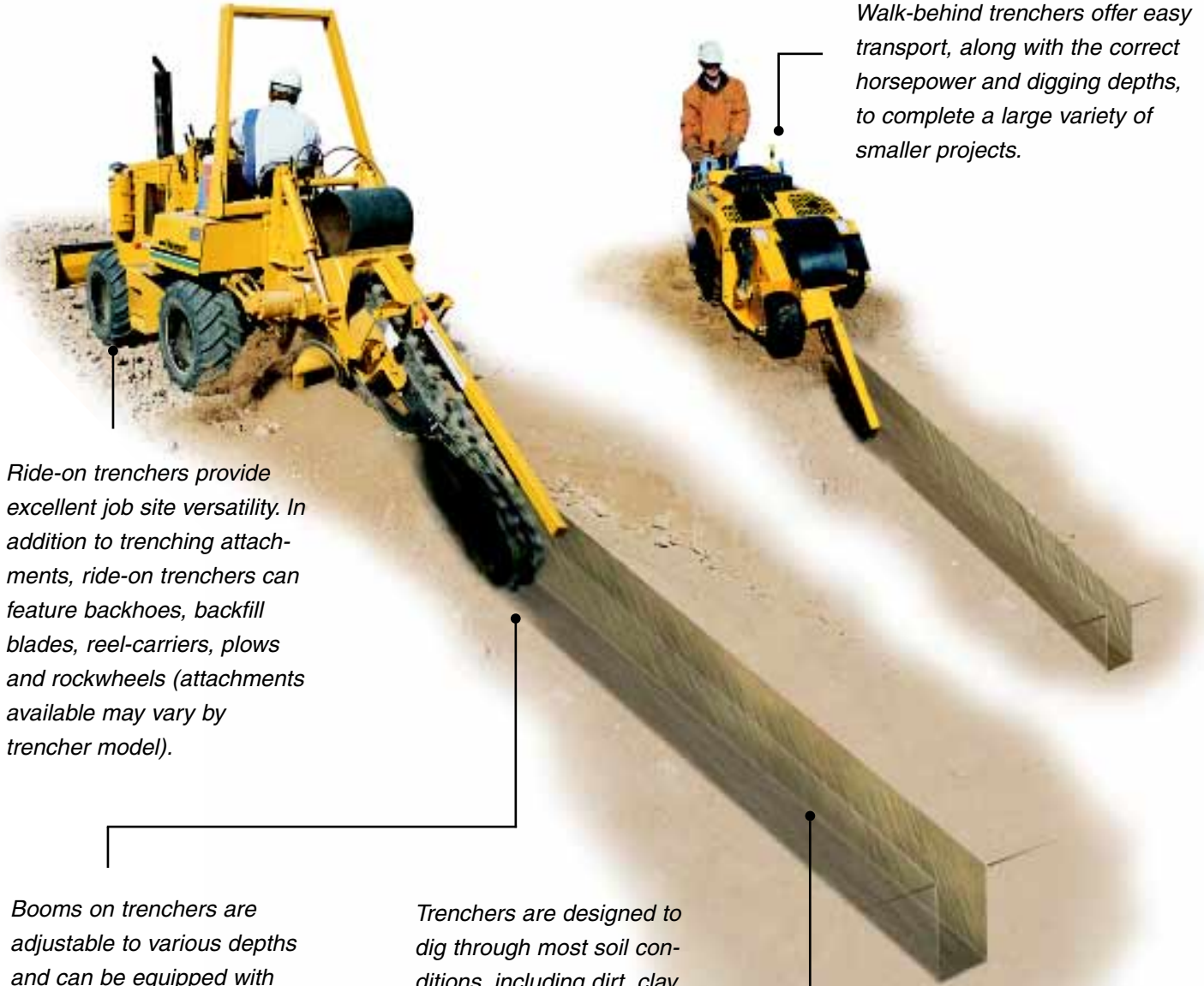


This trencher boom features a digging chain with digging teeth that can be set in different patterns for optimal trenching productivity in hard material. Replaceable trencher teeth are carbide-tipped to offer maximum strength and longevity. Talk to the Vermeer Cutting Edge Group to produce a pattern customized for your job!



Digging Tooth

Small- and Medium-Scale Trenching Projects



Walk-behind trenchers offer easy transport, along with the correct horsepower and digging depths, to complete a large variety of smaller projects.

Ride-on trenchers provide excellent job site versatility. In addition to trenching attachments, ride-on trenchers can feature backhoes, backfill blades, reel-carriers, plows and rockwheels (attachments available may vary by trencher model).

Booms on trenchers are adjustable to various depths and can be equipped with different chain and tooth combinations for optimum productivity.

Trenchers are designed to dig through most soil conditions, including dirt, clay, caliche and shale. Trenches dug by trenchers are clean and uniform, keeping the amount of material moved to a minimum.



This trencher boom features a digging chain with replaceable cup cutters that can be set in different patterns for optimal digging in most soil conditions. Cup cutters maximize excavation and lift spoil from the trench, where it is distributed evenly at the side to be backfilled later.



Cup Cutter



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