

Vermeer®

Terrain  **Leveler®**

ROCK EXCAVATION

T E C H N O L O G Y

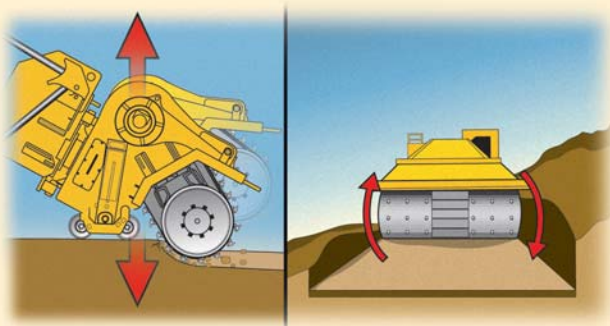


***Taking Care
of Customers
Worldwide
with Better
Solutions***

Productive Solutions for Tough Jobs.

The innovative Vermeer® T1255 Terrain Leveler® surface excavation machine (SEM) offers superior production in a variety of applications, including surface mining, site preparation, overburden removal, road construction /

reconstruction and soil remediation. Depending on the model, a Terrain Leveler SEM can cut an area up to 12 feet (3.7 m) wide and up to 32 inches (81.3 cm) deep in a single pass.



A patented, industry-exclusive tilting cutter drum with two-direction leveling on the T1255 aids production by keeping the drum level — allowing the unit to take on jobs that were not possible before — regardless of ground conditions. It also offers the ability to utilize laser guidance to control grade.

Terrain Leveler SEM



Get the jump on tough terrain

applications with a Vermeer T1255 Terrain Leveler SEM. A clear view of the work in progress, heavy-duty motors, and excellent cutting depths and widths, combined with reliability and support, make these units ideal for your surface mining, site preparation, road construction / reconstruction, overburden removal and soil remediation projects.

The power to get you through the tough jobs.

Featuring heavy-duty CAT engines ranging from 350 hp (261 kW) to 600 hp (447.4 kW), these units have ample power to grind through some of the toughest surface material at the jobsite.

Greater rock penetration is achieved with a top-down cutting system, TEC™ Plus technology, and a host of other features that contribute to the effectiveness of the Terrain Leveler SEM.

Speed and production are priorities.

The Terrain Leveler SEM is built to help meet your production requirements while offering a neighborhood-friendly alternative to other surface-removal processes.



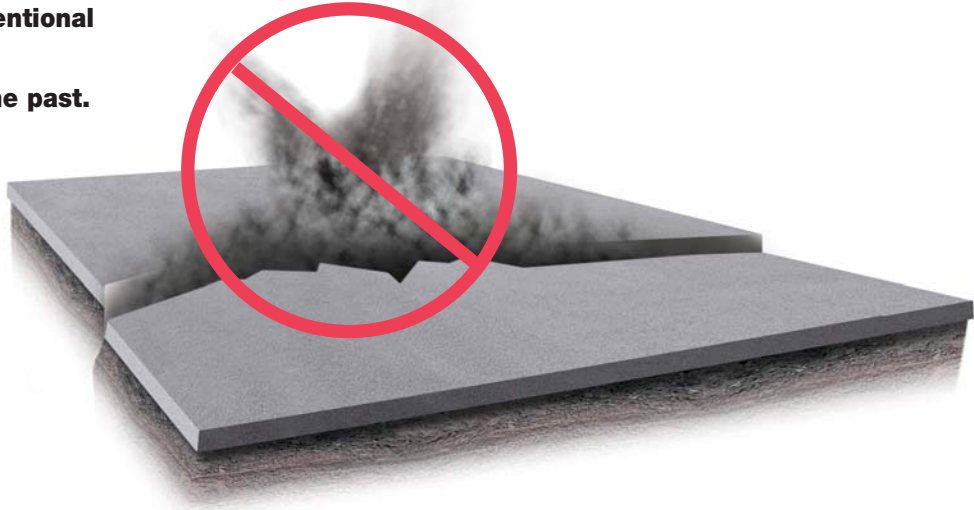
Proprietary top-down cutting technology allows the cutter teeth to achieve greater rock penetration. When the machine travels forward, the teeth on top of the drum are positioned over the top of the rock surface. As contact is made, the teeth instantly cut the rock.

Surface Excavating with the Terrain Leveler SEM

Vermeer T1255 Terrain Leveler Attachment — the I

As regulation and liability increase, conventional rock excavation methods of blasting and hammering are becoming processes of the past.

The Terrain Leveler SEM is designed to eliminate the need for primary crushers, large loaders, large mining haul trucks and associated permits, in addition to rippers and vertical drills. One Terrain Leveler SEM can perform site preparation and excavation, mine material, stabilize contaminated soil and remove roads.



Estimated production rates can be supplied factoring in the reduction of the associated costs, restrictions, extra support equipment and labor requirements.



No Rippers

Rippers are required for overburden removal at most sites prior to mining. They create an inconsistent end-product and extra expense. These units easily handle overburden removal in addition to surface mining.



No Vertical Drills

Vertical drills are needed to drill holes for blasting applications. This additional equipment — and the manpower to run it — is no longer needed when blasting is replaced with this exclusive surface excavating process.



No Blasting

Blasting is becoming increasingly regulated. It is also dangerous, sensitive to weather, and usually requires an outside crew. This patented technology eliminates the need for blasting.



No Mine Haul Trucks

Large haul trucks are commonly needed to transport large material to the primary crusher. These machines produce an end-product that is suitable for quick-loading to regular highway trucks.



No Primary Crushers

Because the size of the material produced with a Terrain Leveler SEM is small enough for the secondary crushers, primary crushers are no longer needed.



As communities continue to expand, rock excavation facilities are affected. The problem: pressure to find new, neighborhood-friendly rock excavation techniques versus blasting. The solution: Vermeer T1255 Terrain Leveler SEM.

Neighborhood-Friendly Alternative to Blasting!

Welcome to the newest generation of Vermeer rock excavation equipment! The Vermeer T1255 Terrain Leveler SEM produces end-product — suitable for use in most applications — instantly in one pass and without primary crushing. Simplify your process — get a Vermeer T1255 Terrain Leveler SEM, and go from the ground to a dump truck in fewer steps.



One Vermeer T1255 Terrain Leveler SEM can perform overburden removal and THEN surface mine in very specific layers. Blasting and rippers are unnecessary, and the material is ready for transport without any additional sizing steps.

Consistent material eliminates the need for primary crushers, large loaders and large haul trucks to transport material to crushers; permits for blasting; and weather considerations. End material is transportable by regular highway trucks, which can travel on community roads.



"The machine was effective in its application. This machine eliminates the use of other machines that do the same thing."

— **Rick Givan, senior project manager, RCMI, Colorado**

The Versatility to Handle a Variety of Jobs

One machine, many jobs.

There really is no other way to describe the Vermeer T1255 Terrain Leveler SEM. The attachment — coupled with a Vermeer tractor — can perform site preparation / excavation, mine material, stabilize contaminated soil, remove roads and concrete, perform reclaiming and more. Additionally, because the Terrain Leveler drum is an attachment, the base tractor can be switched back to a trenching boom for use on a variety of trenching projects. Get the Vermeer T1255 Terrain Leveler SEM advantage today!



Road Construction / Reconstruction: Terrain Leveler surface excavation machines offer a great way to excavate rocky areas in preparation of new roads. They also provide an excellent method for roughing out house pads in new construction.

The top-down cutting technology utilized by these units helps ensure higher production on road-removal projects. The Terrain Leveler SEM simply combs the concrete off of the steel rebar.

Soil Remediation: If your job includes recycling contaminated hazardous material, a Vermeer T1255 Terrain Leveler SEM may offer a cost-efficient alternative to other remediation technologies.



Track Trenching: Because the Terrain Leveler SEM drum is an attachment, the base tractor can be switched to a trencher cutting boom. Track trenching will allow the unit to work in mainline sewer and water applications — maximizing the use of the tractor unit.

Terrain Leveler SEM Specifications

T855

Transport Dimensions

Weight: 117,000 lb (53,070.3 kg)
Overall length: 33' (10.1 m)
Transport width: 101" (256.5 cm)
with 20" (50.8 cm) grousers
Transport height: 10.9' (3.3 m)

Capabilities

Max cut width: 8.5' (2.6 m)
Max cut depth: 32" (81.3 cm)

Engine

Model: CAT C-9
Aspiration: ATAAC
Number of cylinders: 6
Gross horsepower: 350 hp (261 kW)
Electrical system: 24-V DC

Hydraulic System

Type: Pressure and flow-compensated
(load-sensing)
Oil tank capacity: 145 gal (548.9 L)

Tracks

Track size: D6
Dual-path hydrostatic drive with planetary
transmission capable of full
counter-rotation
Infinitely variable speed:
Transport low — 0 fpm — 93 fpm
(0 m/min — 28.3 m/min)
Transport high — 0 fpm — 187 fpm
(0 m/min — 57 m/min)
Digging speed — 0 fpm — 93 fpm
(0 m/min — 28.3 m/min)
Auto self-level: Yes

Conveyor

Conveyor length: 8' or 13' (2.4 m or 4 m)
[Belt width: 30" (76.2 cm)]

Terrain Leveler Attachment

Weight: 35,000 lb (15,875.7 kg)

T955

Transport Dimensions

Weight: 136,000 lb (61,688.6 kg)
Overall length: 34' (10.4 m)
Transport width: 114" (289.6 cm)
with 24" (61 cm) grousers
Transport height: 11.3' (3.4 m)

Capabilities

Max cut width: 11' (3.4 m)
Max cut depth: 32" (81.3 cm)

Engine

Model: CAT C-13
Aspiration: ATAAC
Number of cylinders: 6
Gross horsepower: 415 hp (309.5 kW)
Electrical system: 24-V DC

Hydraulic System

Type: Pressure and flow-compensated
(load-sensing)
Oil tank capacity: 152 gal (575.4 L)

Tracks

Track size: D6
Dual-path hydrostatic drive with planetary
transmission capable of full
counter-rotation
Infinitely variable speed:
Transport low — 0 fpm — 66 fpm
(0 m/min — 20.1 m/min)
Transport high — 0 fpm — 132 fpm
(0 m/min — 40.2 m/min)
Digging speed — 0 fpm — 66 fpm
(0 m/min — 20.1 m/min)

Conveyor

Conveyor length: 9' or 14' (2.7 m or 4.3 m)
[Belt width: 30" (76.2 cm)]

Terrain Leveler Attachment

Weight: 41,000 lb (18,597.3 kg)

T1055

Transport Dimensions

Weight: 149,000 lb (67,585.3 kg)
Overall length: 41' (12.5 m)
Transport width: 116" (294.6 cm)
with 24" (61 cm) grousers
Transport height: 11.5' (3.5 m)

Capabilities

Max cut width: 11' (3.4 m)
Max cut depth: 32" (81.3 cm)

Engine

Model: CAT C-13
Aspiration: ATAAC
Number of cylinders: 6
Gross horsepower: 415 hp (309.5 kW)
Electrical system: 24-V DC

Hydraulic System

Type: Pressure and flow-compensated
(load-sensing)
Oil tank capacity: 152 gal (575.4 L)

Tracks

Track size: D7
Dual-path hydrostatic drive with planetary
transmission capable of full
counter-rotation
Infinitely variable speed:
Transport low — 0 fpm — 53 fpm
(0 m/min — 16.2 m/min)
Transport high — 0 fpm — 106 fpm
(0 m/min — 32.3 m/min)
Digging speed — 0 fpm — 53 fpm
(0 m/min — 16.2 m/min)

Conveyor

Conveyor length: 9' or 14' (2.7 m or 4.3 m)
[Belt width: 30" (76.2 cm)]

Terrain Leveler Attachment

Weight: 41,000 lb (18,597.3 kg)

T1155

Transport Dimensions

Weight range: 118,000 lb — 170,000 lb
(53,523.9 kg — 77,110.7 kg)
Overall length range: 24.3' — 44.6'
(7.4 m — 13.6 m)
Transport width range: 9.8' — 10'
(3 m — 3 m) with 26", 28", 30" (66 cm,
71.1 cm, 76.2 cm) grousers
Transport height range: 12' — 12.2'
(3.7 m — 3.7 m)

Capabilities

Max cut width: 11' (3.4 m)
Max cut depth: 25" (63.5 cm)
Drum tilt: Yes

Engine

Model: CAT C-15 ACERT Tier 3
Aspiration: Turbocharged and ATAAC
Number of cylinders: 6
Gross horsepower: 540 hp (402.7 kW)
Electrical system: 24-V DC

Hydraulic System

Type: Pressure and flow-compensated
(load sensing)
Oil tank capacity: 152 gal (575.4 L)

Tracks

Track size: Cat 350
Dual-path hydrostatic drive with planetary
transmission capable of full
counter-rotation
Infinitely variable speed:
Transport low — 0 fpm — 46.5 fpm
(0 m/min — 14.2 m/min)
Transport high — 0 fpm — 124 fpm
(0 m/min — 37.8 m/min)
Digging speed — 0 fpm — 46 fpm
(0 m/min — 14 m/min)

Conveyor

Conveyor length: 14' or 19' (4.3 m or 5.8 m)
[Belt width: 30" (76.2 cm)]

T1255

Transport Dimensions

Weight: 245,000 lb (111,130.1 kg)
Overall length: 40.6' (12.3 m)
Transport width: 11.2' (3.4 m)
with 30" (76.2 cm) grousers
Transport height: 12.6' (3.8 m)

Capabilities

Max cut width: 12' (3.7 m)
Max cut depth: 27" (68.6 cm)
Drum tilt: Yes

Engine

Model: CAT C-16
Aspiration: ATAAC
Number of cylinders: 6
Gross horsepower: 600 hp (447.4 kW)
Electrical system: 24-V DC

Tracks

Track size: Cat 375
Dual-path hydrostatic drive with planetary
transmission capable of full
counter-rotation
Infinitely variable speed:
Transport low — 0 fpm — 41 fpm
(0 m/min — 12.5 m/min)
Transport high — 0 fpm — 110 fpm
(0 m/min — 33.5 m/min)
Digging speed — 0 fpm — 41 fpm
(0 m/min — 12.5 m/min)

Conveyor

Conveyor length: 15' or 20' (4.6 m or 6.1 m)
[Belt width: 36" (91.4 cm)]

Terrain Leveler Attachment

Weight: 95,000 lb (43,091.3 kg)

Hydraulic System

Type: Pressure and flow-compensated
(load-sensing)
Oil tank capacity: 210 gal (795 L)



The Vermeer dealer network: Reliable support, all over the world.



With nearly 200 locations across the globe - you're never far from an independent, authorized Vermeer dealer. Our dealers are in place to support your success with product expertise that's second to none.



When you need service, you can count on your local Vermeer dealer. With multiple locations, remote service trucks, and factory-offered technician training, your local Vermeer dealer offers reliable service that keeps your equipment running.



Vermeer parts are designed and manufactured to original specifications, so whether they're new parts or replacement parts, they'll live up to the Vermeer name.



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