



Heavyweight
CPT Trucks

Ready to bring your CPT operations to the next level?

Vertek manufactures a full line of Heavyweight CPT Trucks for the geotechnical and environmental engineering industry's safest vertical push.

Trusted by federal agencies and departments of transportation across the United States for decades, Vertek's Heavyweight CPT Trucks are designed for maximum production.

Offering 20 to 30 tons of push force, Vertek's Heavyweight CPT Trucks are perfect for hard to reach areas and jobs requiring deep sediment penetration.

Vertek CPT Trucks are designed, built, and tested by engineers and operators that understand you want power, efficiency, simplicity, longevity, and comfort.

Every Heavyweight CPT Truck is custom-built to your needs and includes full training for your operators. If you are looking to enter the next level of CPT operations, the Heavyweight CPT Truck is for you.



Features

Easy setup means more jobs

The hydraulic leveling system provides rapid leveling of the unit once it is on-site. This, coupled with the weight of the vehicle, enables soundings at greater depths, which frees the operator to spend more time on actual soundings and less time deploying and recovering anchors.

Deepest possible CPT soundings

Vertek Heavyweight CPT Trucks are typically equipped with 20 tons of push force to meet federal highway limits and can be ballasted to achieve higher reaction weights when required, allowing the user to assure the maximum push force is applied to penetrate the toughest deposits.

Comfort

Our cabin is built to maximize workflow and safety, and provide increased comfort. Our flooring provides a sure grip finish that is durable and easy to clean. The walls of our cabin are insulated to ensure comfortable working conditions 365 days a year. Consider our van body to be a mobile laboratory to conduct CPT soundings.

Cost-effective Configurations

Vertek became the world's leading manufacturer of heavyweight CPT push platforms by building on a number of different and robust models to meet our customers specifications. From standard to extreme climate configurations, the Heavyweight CPT Trucks Vertek fabricates are work horses for 20 plus years of continual operations.



Technical Specifications

CPT push specifications

- 20 ton push capacity
- 25 ton pull capacity
- 42 inch cylinder stroke

Hydraulic clamp

- Heat treated smooth jaws that won't scar the rods.
- 85,000 lbs of clamping force
- Visible pressure gauge for verification.

Regenerative circuit

- Custom hydraulic manifold to decrease non-ASTM cycle times.
- Automatically comes out of regenerative mode for higher retraction loads.

Non-retractable guide tube

- Provides lateral support for rods while pushing.
- Threaded for installation of rod wiper or steam cleaning heads.

Electronic hydraulic controls

- User intuitive push button HMI
- Independent joystick for manual operation.
- Highly visible hydraulic pressure gauges for system operation.

Safety clamp

- Secondary hydraulic rod clamp to hold rods when primary clamp is released.
- Visible pressure gauge for verification.



Attention to Detail

Sunken penetrometer cylinders makes work easier, safer, and faster for operators.



Tube-in-tube lift jacks isolates the rod and seals from external damage for longest life in harsh environments.

Seismic beam-lift system integration saves you money and reduces risk of failure.



Our Commitment

When you purchase a piece of Vertek CPT equipment, you become part of Team Vertek. We provide every customer with unparalleled customer service and unlimited technical support. From helping you choose the best solution for your business to training and field support, we will be by your side and always just a phone call away.



Contact us today.

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