

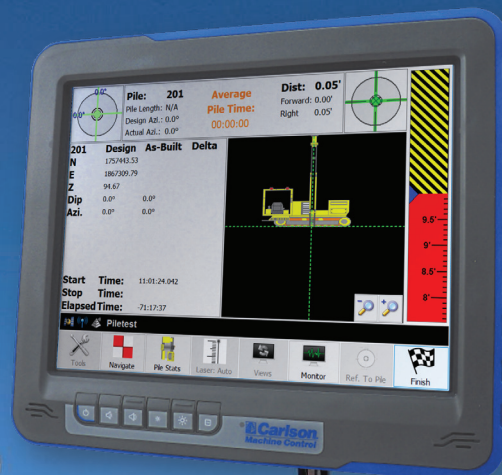
Carlson PDGrade™

Piling Positioning System



Carlson Grade for Pile Driving Machines

Carlson Machine Control PDGrade™ is an application-centric 3D positioning software for a variety of piling applications. The software is combined with a state-of-the-art, integrated GNSS all-in-one sensor, a rugged, Windows-based control box, and offers a laser distance option (for piling to an elevation, contour or pile depth) to complete the machine guidance system.



Experts in Machine Control
Applications since 1996
- Mining - Landfill - Piling - Dredging -
- Construction - Contract Drilling -
- Custom Applications -

BREAK NEW GROUND

Easy to Calibrate, Easy to Install

The basic configuration of PDGrade™ uses only two components, the Carlson Control Box Console and the MC Vx7. Installation has one-quarter the footprint of other systems with less points of failure. The system is supported by an industry-exclusive, three-year warranty. The rugged IP69K MCPPro Vx7 provides GPS/GLONASS/BEIDOU L1/L2 high precision positioning and heading - up to 20Hz, along with dual axis slope. The Carlson Control Box Console has a bright, sunlight readable display, IP67 rugged with the same 3-year warranty and large touch screen and easy to connect with just one cable.

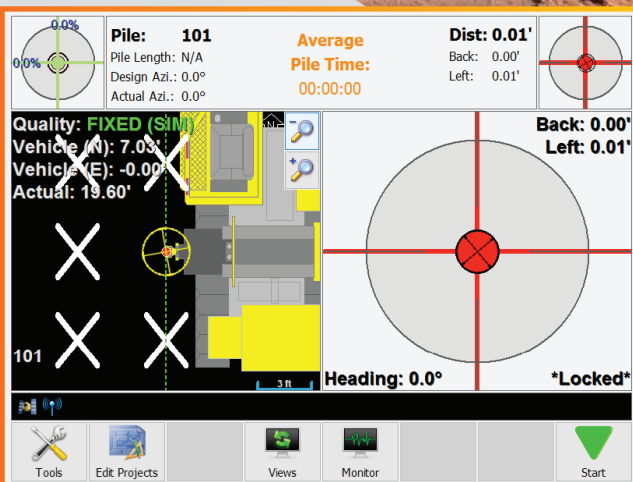
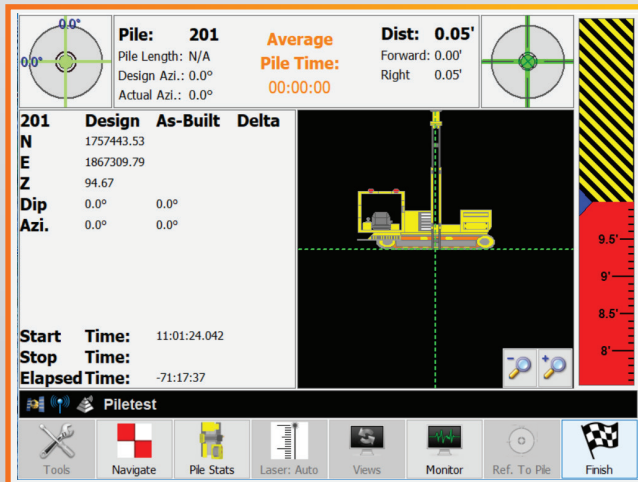
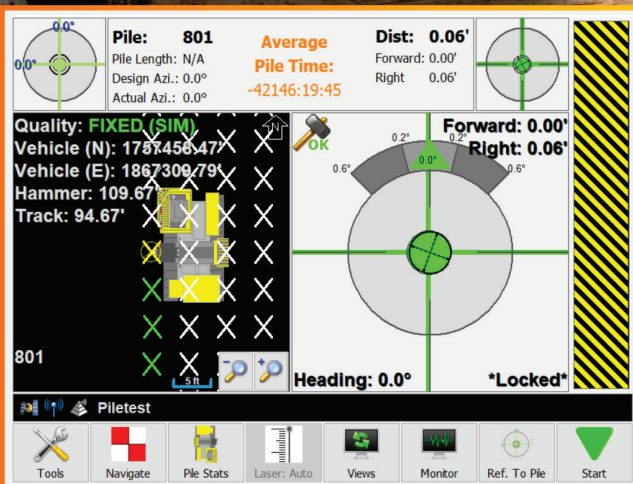
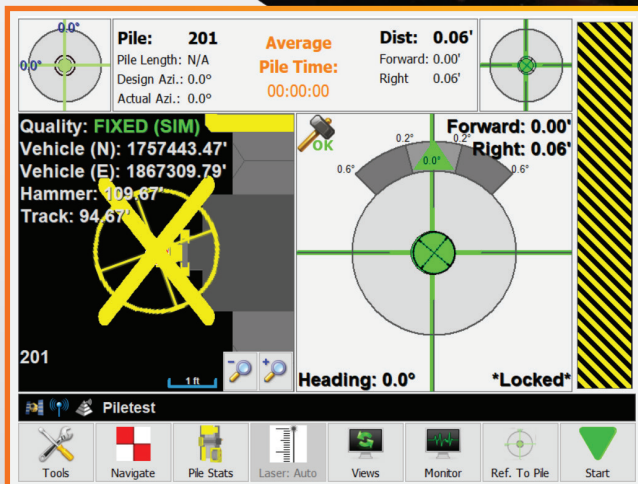
With the PDGrade™ System, piling contractors can benefit from high accuracy navigation, positioning and easy-to-use software that offers features such as navigation to pile, pile location, as-builts, and production reports. The system also increases safety, as it requires less people to be near the machines when erecting piles.



Features:

- 3D Machine Guidance Indicate/Control system for Pile Drivers for Solar farms and other applications
- Able to handle large Pile Layout file
- NTRIP and VRS compatible
- Track machine utilization
- Provide operator with more information to maintain consistent alignment of piles
- Work as a standalone system or as part of a fleet environment with multiple machines
- Create Pile Report out of Grade to a .CSV or .PDF.





Benefits:

- Consistently and accurately drive piles within tolerance of specification.
- Track project progression
- Reduce rehandling of piles
- Document position and height of all piles
- Understand your cycle times per operator for training

Link to the Office with Carlson Command

A comprehensive data storage and control software package that gives management a view of what is happening in real-time by moving site maps, dashboards, and KPI screens. All information is stored for real time and port process reporting and analysis as well as playback of events.

- Productivity analysis
- Data management of single or multiple sites
- Direct machine to machine communication and data sharing with live and historical 3D machine playback
- In cab monitoring and training from office
- Create and customize tasks, delays and down codes

