DredgeGrade™
Machine Guidance System

Carlson MACHINE CONTROL

For machines dredging from land or water



Designed for Dredging Equipped Excavators

- Plan and profile views showing barge, excavator position and real-time depth information
- Real-time update of Cut/Fill/On-Grade relative to DTM file
- Barge and excavator independent monitoring/visualization
- Support of angle sensors, flowmeters, and absolute or relative encoders
- Multiple attachment support
- Supports multi-boom, multi-stick and tilt bucket

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



Learn more: **www.carlsonmachinecontrol.com**
or contact at: **info@carlsonmachinecontrol.com**

BREAK NEW GROUND

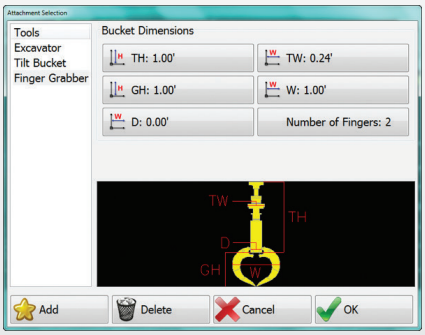
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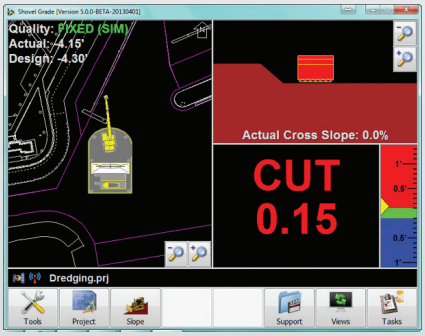
Key Features

- Supports multiple surface file types directly including dxf and dwg
- Cut/Fill color map
- GSM remote support
- Ability to visualize progress in blind, underwater cuts
- Calculations menu - inverse, points on a line, create a CL from series of points, etc
- PDF output of points stored
- Coordinate editor
- Localization editor and global projections



Special Features

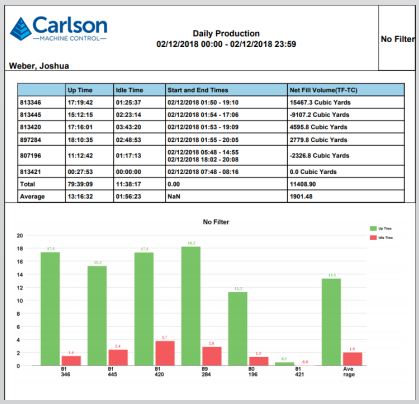
- Flow Meter Support
- Hydraulic grabber support with open/close monitoring (no sensors on the grab!)
- Add your own custom tool attachment or machine design
- Log files recorded locally for post analysis
- Collection of real-time information in office with Carlson Command



Carlson Command

A comprehensive data storage and control software package that gives management and engineering a view of what is happening in real-time by moving pit 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
- Full cut/fill color map with real-time surface updates
- Create and customize tasks, delays and down codes



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