

Products

PRO | grade

MACHINE GUIDANCE

- Digmaster ●
- Digmaster Pro ●
- pcX-Pro ●

PRO | safe

SAFE & EFFICIENT PLANT

- Liftwatch 5 ●
- Liftwatch Rail ●
- Heightwatch 6 ●
- Heightmaster ●
- EA Heightmaster + ●
- Motion Control System ●
- Rangemaster ●
- Slopemaster ●
- TMI ●
- Truckwatch ●

PRO | load

ON BOARD WEIGHING

- Weighloader ●
- Weighloader ADT ●



Combining the flexibility of Prolec's industry standard pcX-3D with the user-friendliness of the Digmaster Pro series, pcX-Pro machine guidance system provides the ultimate in productivity tools, whatever the application. Proven on many projects including dredging, harbour construction, drilling and piling, pcX-Pro's versatility has been deployed on many high profile projects worldwide. Chosen by customers because pcX-Pro's ultimate customisation ability meets their exacting requirements.

Benefits

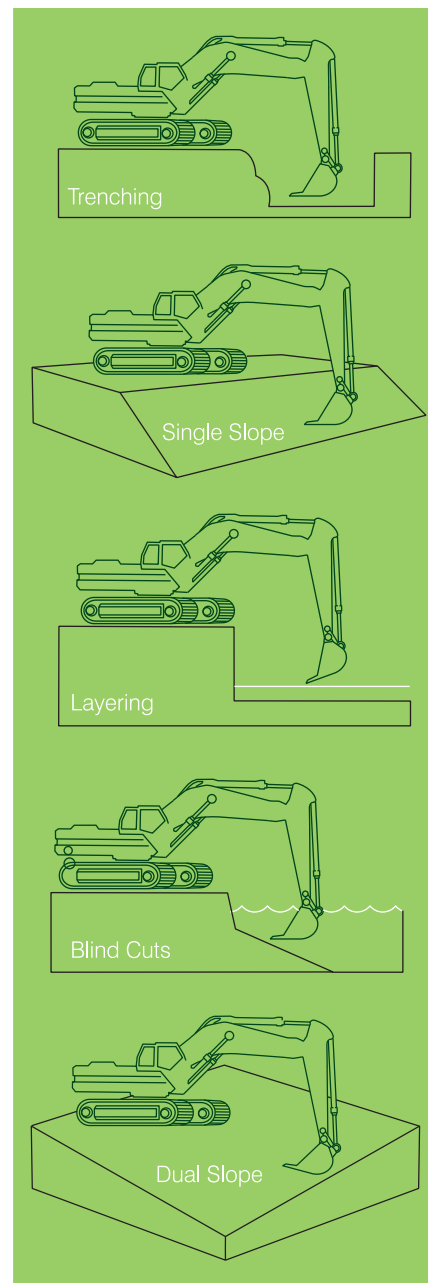
- ▶ Virtually eliminates staking
- ▶ Completes jobs faster and more accurately
- ▶ Real time screen refresh
- ▶ Shows progress under water
- ▶ Multiple screen options and views
- ▶ Reduces fuel consumption
- ▶ Reduces material overage & transportation costs
- ▶ Exportable "as built" survey
- ▶ Full touch screen menu

Features

- ▶ Fully customisable to customer requirements
- ▶ Active matrix - see the earth move
- ▶ Compatible with major GNSS brands
- ▶ Works with multiple file formats including .csv, .dxf & .xml
- ▶ Fully customisable views
- ▶ Terrain mapping - survey with tool
- ▶ Many pre-programmed tools including barge configurations
- ▶ Crane option as standard "out of the box"

Applications

- ▶ Civil Works
- ▶ Offshore Dredging
- ▶ Revetment Construction
- ▶ Waterway Maintenance
- ▶ Trenching
- ▶ Piling
- ▶ Drilling

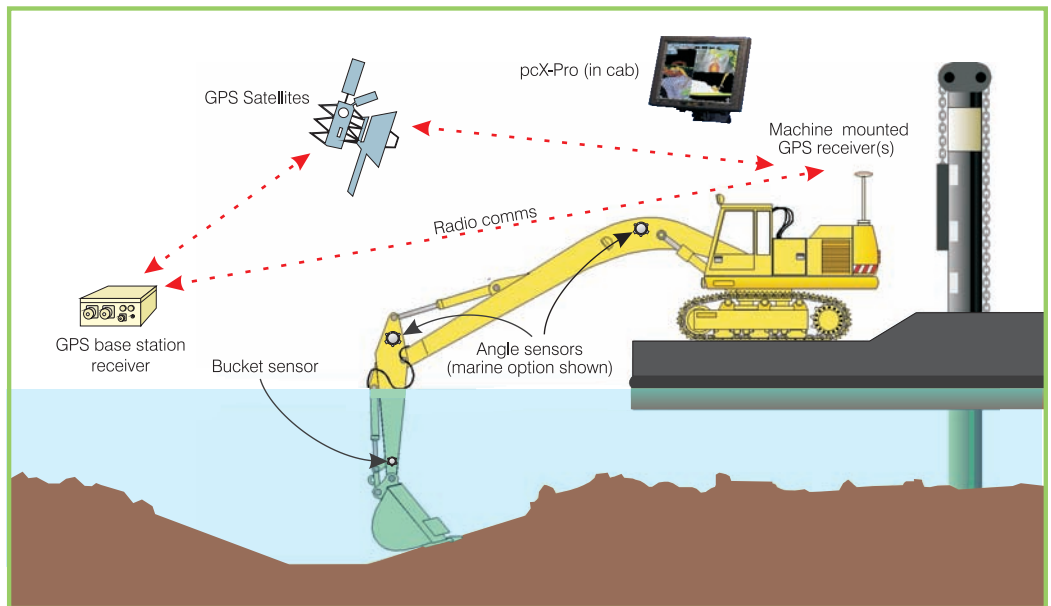


System Reliability

With pcX-Pro comes the assurance of Prolec's many years of experience in providing both safety critical machine monitoring systems and 2D/3D machine guidance systems, ensuring reliability comes as standard - not as an option.

Product Support

The quality of after sales support is as important as the product itself. Prolec provides customer support through a network of mobile service engineers in the UK and appointed international distributors overseas. In addition to this, Prolec has a dedicated in-house customer support team.



Technical Specification

Computer/Display	Ruggedised, full VGA, back lit 32 bit colour LCD touch screen
Inputs/Outputs	Ruggedised and shock-mounted custom built PC 1 x CAN 2.0B PC Interface 2 x RS232 (GPS) 1 x USB (mouse, number pad, flash card card reader)
Power Supply	+20V to 30 DC @ 5.0 amp max Reverse polarity protection Solid state re-settable fuses
Temperature	Operating: -20°C to +50°C Storage: -40°C to +80°C Display: 0°C to +50°C
Environmental Protection	Display and PC: IP65 Sensors: IP67-68
EMC	CE Approved

Sensors

AS7 Angle Sensors	0.2° accuracy (all variants) 360° electrical operating range 360° mechanical operating range Electrically damped Solid state technology
AS8 Angle Sensors	0.09° accuracy (all variants) 360° electrical operating range 360° mechanical operating range Magnetically damped pendulum operation High Accuracy encoder technology
AS9 Angle Sensors	0.09° accuracy (all variants) 360° electrical operating range 360° mechanical operating range Fast response magnetically coupled direct drive control High Accuracy encoder technology

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