

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 ●



Digmaster is a 2D machine control system for excavators that is ideal when a full 3D solution is not required. Utilising the industry's most comprehensive range of sensors, Digmaster can be used for land, marine and long reach applications. Digmaster has a laser receiver sensor option for use with rotating laser planes, and with real time information displayed to the operator, accurate grades and complex profiles can be achieved easily and without the need for grade checkers and additional staff.

**Benefits**

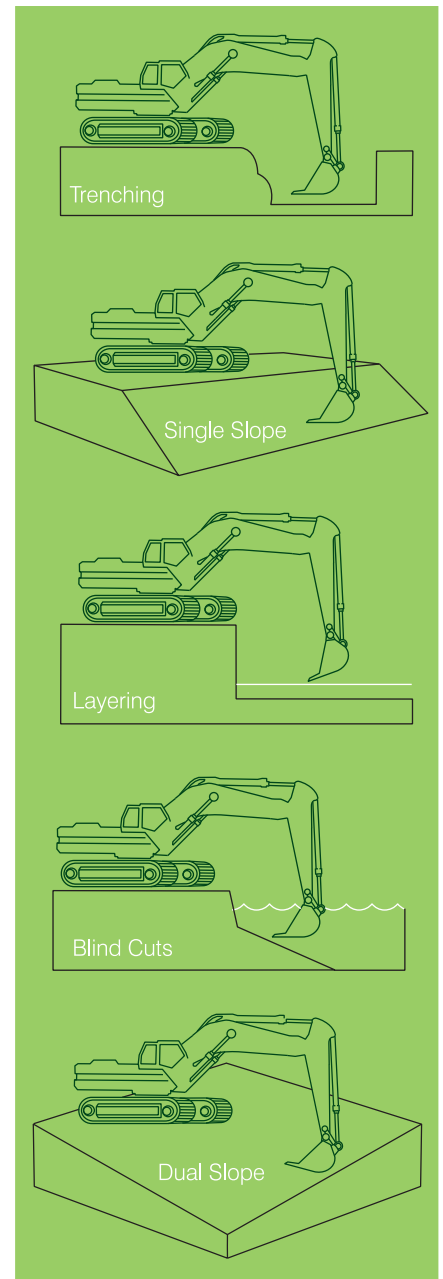
- ▶ Increases productivity by 30-50%
- ▶ Complete jobs faster
- ▶ Complete jobs accurately
- ▶ Operators work with minimal supervision
- ▶ Ensures consistency of operations regardless of operator skill level
- ▶ Reduces staff around the machine
- ▶ Reduces fuel consumption
- ▶ Reduces material overage & transportation costs

**Features**

- ▶ Land, marine and long reach configurations
- ▶ Optional laser and tilting bucket sensors
- ▶ Easy to operate touch screen interface
- ▶ Program complex profiles simply
- ▶ Multiple bucket and tool configurations
- ▶ Integrate with 3rd party survey systems for specialist applications
- ▶ Undercutting upgrade option

**Applications**

- ▶ Trenching
- ▶ Blind cuts
- ▶ Single & dual slope
- ▶ Mass excavation
- ▶ Layering

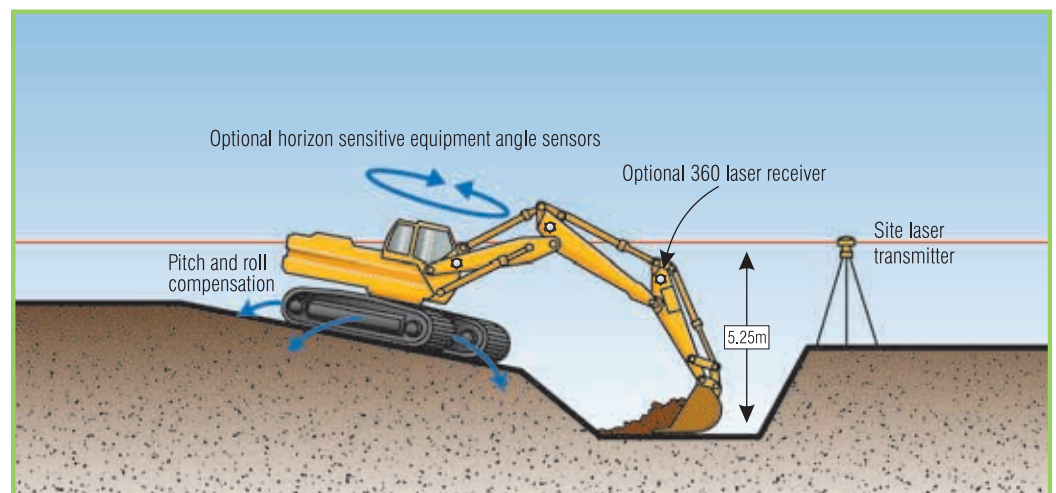


### Special Applications

The Prolec software used within the Digmaster system can be adapted to suit a wide range of applications. Up to ten different bucket options are available including a tilting bucket and, if a flowmeter has been fitted, hydraulic grabs can be used to dig to precise levels. Prolec can also customise its software to meet specific customer requirements, such as the need to incorporate communications or data transfer capability.

### Product Support

The Digmaster system, along with all other products in the Prolec range, is supported by a service network of mobile engineers across the UK and through selected international distributors. The company also offers a factory-based product support service that provides training to engineers and customers in the operation and maintenance of all products in the Prolec range.



### Technical Specification

<b>Computer/Display</b>	¼ VGA transfective colour with cold fluorescent lamp backlit, with intensity adjustment Field programmable multi-processor computer Touch screen user interface
<b>Inputs/Outputs</b>	1 x CAN 2.0 data bus for connection to sensors with two connectors 2 x RS232 serial data connection 1 x Power input 1 x Auxiliary Port: 2 x auxiliary inputs/1 x output/1 x audio port
<b>Power Supply</b>	Operating voltage 18V to 30V dc Operating current 450mA continuous, 2A peak surge at power-on Voltage transient protection, reverse polarity protection. Solid state re-settable fusing, integral regulation
<b>Temperature</b>	Display: operating 0°C to +50°C, storage -20°C to +60°C Sensors: operating -20°C to +60°C, storage -40°C to +80°C
<b>Environmental Protection</b>	Display: IP64 Sensors: IP67
<b>EMC</b>	Meets Directive 89/336/EEC Exceeds EN50081-1:1992 and EN50082-1:1992

Note: The company reserves the right to change specification without notice

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