

Target:Pile

Piling Rig Positioning Software

Key features and benefits

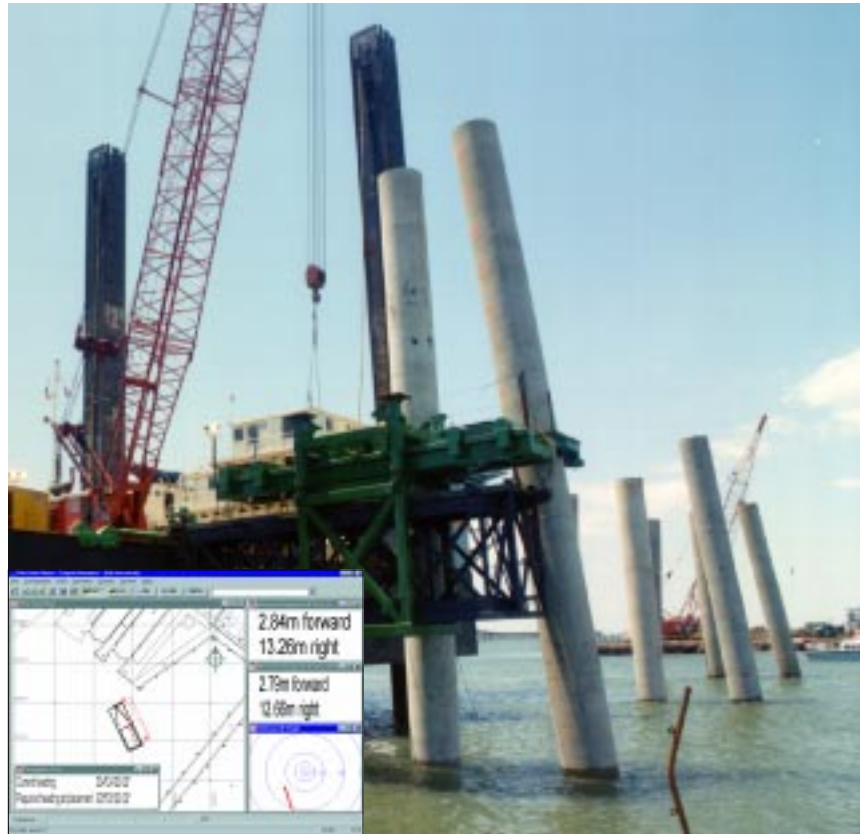
- **Proven productivity savings**
- **Reduced labor costs**
- **Raked pile placement**
- **3D positioning with RTK precision**
- **Real-time graphical and text displays**
- **Easy operation four button controller**
- **Operates under both Windows 95/98 & NT**
- **Worldwide support and training**

Target:Pile™ software is designed specifically for the precise positioning of pile driving or drilling barges and rigs. Combined with real-time GPS receivers such as Trimble's 7400RSi™ and 7400DSi™ receivers, this innovative software enables operators to efficiently guide a barge or rig to any target location.

Target:Pile software provides the operator with visual displays of the rig's positioning information. Three dimensional coordinates and orientation information can be viewed relative to a predetermined pile location. This allows operators to guide and monitor rig movements easily, without the need for a pile grid stakeout or assistance from other personnel. Positioning information can be displayed in a plan view map which can also display design files, grid lines, a north indicator, and the rig shape.

With Target:Pile software, predetermined locations of piles are recorded precisely. This eliminates the need for restaking when stakes have been destroyed or covered by mud or snow. To ensure ease of operation, a simple four button interface is available. This removes the keyboard and mouse from the onboard computer while still allowing the operator to control the software.

For complete system integration, Target:Pile software accepts



Raked pile placement

data from a variety of input devices. Using a dual axis inclinometer, the rake of a piling mast can be easily monitored and displayed on screen. Rig heading can be determined using two GPS receivers or a heading device such as a compass. Changes in the height of the rig above the piling level (due to tidal effects) can also be monitored and accounted for using height information from GPS receivers.

Target:Pile software's user definable reporting functions allow

quality control and as-built reports to be generated on site at any stage of the piling operation, removing the need to resurvey final positions for completion of as-built reports.

Ideal for use by piling companies and contractors all over the world, Target:Pile software offers a complete approach to improving the overall efficiency and safety of your piling operation.

Trimble

Target: Pile

Piling Rig Positioning Software

APPLICATIONS

- Marine and land-based pile driving or boring
- Drilling for explosive placements
- Vertical and raked pile driving

FEATURES

- Simple point and click operation through Windows 95/98 or Windows NT 3.5 software
- Graphical and textural display of positioning information
- 3D coordinate (x, y, z) positioning
- Definable 3D articulated pile rig shape
- Definable map orientation—north up, forward or bearing to target up
- Map display of:
 - AutoCAD DXF files
 - Projection grid lines and North indicator
 - Rig shape at the designed position
- Bullseye displays horizontal position guidance for pile rig offset and snail's trail of movement history
- Attitude and heading display
- Position and attitude averaging for precise calculation
- User-definable reporting
- Input device integration
- Multi-tasking Windows environment enables other programs to be run concurrently such as machine control software
- Raked pile placement support

SOFTWARE CAPABILITIES

Computer	IBM 80486 PC or compatible with 80x87 math coprocessor, 16Mb RAM, 200Mb hard disk, and serial and parallel ports <i>(Recommended: Pentium processor, 16Mb RAM, 500Mb hard disk, 2 serial and 1 parallel port, 1.44Mb 3.5" floppy disk)</i>
Graphics	VGA, SVGA
Operating system	Windows 95/98 or Windows NT 3.5 or later
GPS	Real-time GPS receivers for dynamic control such as Trimble's 7400RSi and 7400DSi GPS receivers <i>(Refer to the appropriate data sheet for more information)</i>
Radio	Trimble's TRIMTALK™ or TRIMMARK™ Series radio or user supplied radio <i>(Refer to the appropriate data sheet for more information)</i>

OPTIONS

Optional system components may be ordered through Trimble, or user supplied

Tiltmeter	Precise dual axis tiltmeter with serial output
Compass	Flux gate compass for non-vertical positioning or use an additional GPS system for heading determination
Four Button Controller	4 button keyboard for easy operation during placement

ORDERING INFORMATION

Target:Pile system	Part Number 32707
Target System 1 year software support	Part Number 30937
Target System Base Station Bundle	Part Number 31718-00
Target:Pile Bundle	Part Number 34934-00
Target:Pile Bundle with accessories	Part Number 35800-00
Additional 7400DSi Bundle c/w Splitter cable	Part Number 34935-00
Four Button Controller	Part Number 30941

Specifications subject to change without notice.



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