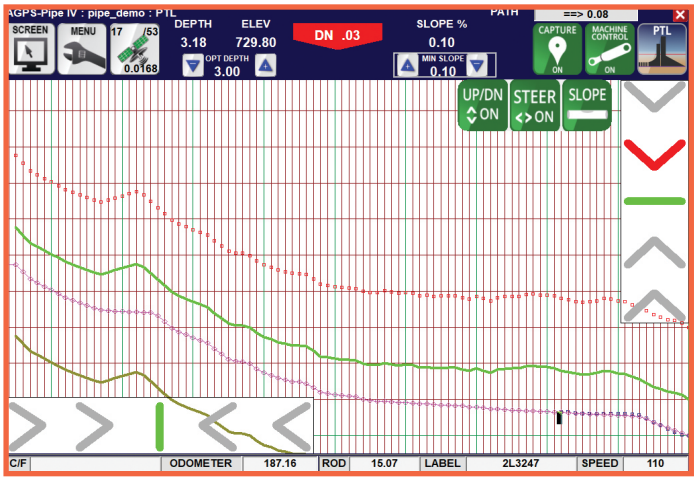
GeoLogic Computer Systems

GCS:Pipe

Market Specific Solutions | Cutting Edge Machine Control
Reliable GNSS, Not Just GPS | Custom Designed for How You Work
Direct Drive Hydraulic Control Options



Control your tile plow with market-leading precision, relying on GCS:Pipe and RTK GPS. Accurate tile installation will save you time, effort, and money and boost your yield.

- Partner any brand RTK GPS with any tile plow for unbeatable precision without proprietary hardware.
- Achieve accurate machine control with SCV or remote outlets on JD, CNH, or MT Challenger tractors.
- Avoid delays with automatic design regrades; no stopping or user input is required when a rock is struck.
- Capture lines automatically during installation, then export and view them in any farm management or GIS program.
- Real time depth, slope and guidance information.

GCS:Pipe I-IV Feature Comparison

	I	II	III	IV
Software				
Compatible with all GNSS receiver brands	✓	✓	✓	✓
Interfaces with tractors and remote valves	✓	✓	✓	✓
Interfaces with CANbus	●	●	✓	✓
Works with all plow configurations	✓	✓	✓	✓
Imports design files (.pln)	●	✓	✓	✓
Supports lay passes downhill	●	●	✓	✓
Travel speed is not restricted	✓	✓	✓	✓
Commits to new plan if a object is struck	✓	✓	✓	✓
Shows plan and profile views	✓	✓	✓	✓
Tile Placement				
Ability to change design while plowing	✓	✓	✓	✓
Displays grade and direction (point to slope)	✓	✓	✓	✓
Tiles from the main using a GCS:Topo map	●	●	✓	✓
Tiles to a main using a GCS:Topo map	●	●	✓	✓
Shows scaled plan view, supports screen clicks for more information	✓	✓	✓	✓
Creates LAY from SVY using auto depth parameters	✓	✓	✓	✓
Supports localization using local points	●	●	✓	✓
Supports localization using State Plane Coordinates	●	●	✓	✓
Supports localization using UTM Coordinates	✓	✓	✓	✓
Guidance and Control				
Guides to a grid	●	✓	✓	✓
Guides to a curved line	●	✓	✓	✓
Auto-steers to a grid	●	●	●	✓
Auto-steers to a curved line	●	●	●	✓
Supports using dual GPS for guidance and steering control	●	●	✓	✓
Supports using a background drawing layer for map and line work	●	✓	✓	✓
Supports using a .BMP file as a background image	●	✓	✓	✓
Guides by on-screen light bar	●	✓	✓	✓
Data Collection				
Displays elevation of selected tile point	✓	✓	✓	✓
Creates as-built maps (.SHP and .DXF)	✓	✓	✓	✓
Labels sizes of mains and laterals	●	●	✓	✓
Reports length of mains and laterals	●	✓	✓	✓
Labels data points while plowing	●	●	✓	✓

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Solutions for Every Need

- Quickly compensate for buried object strikes by committing to a revised plan using GCS:Pipe 1
- Display geo-referenced background images, and guide to a grid or curved line with on-screen light bars with GCS:Pipe II
- Supports dual GNSS receivers for high accuracy, and lay drainage tile both uphill and downhill using GCS:Pipe III
- Control and steer your self-propelled tile plow from any of the major manufacturers, including RWF Bron, Inter-Drain, Wolfe and Port Industries with GCS:Pipe IV

No matter the application, we can offer a solution.

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