

PIG Device & Windows App

Microline Technology Corp.

technicians to gather more data with more accuracy in less time









The 24-inch Smart PIG (Pipeline Inspection Gauge) has over 1,000 sensors collecting 1TB of data, and Streamline makes that data easy to understand and manage.

Smart PIG

Their new PIG for large-diameter pipelines is 6' long and 24" in diameter, with 78 circuit boards, incorporating and 90 microprocessors. It can travel o 300 miles and record data from 1,000+ sensors every 16th of an inch levery 500 microseconds).





Streamline Windows App



Atomic provided embedded software development for Microline's Atomic provided embedded software development for Microline's 24-inch Smart PIG, and Windows app development for Streamline, created using C# in WPF. Atomic also developed an open source tool for communication among different parts of the system and a simulation framework so the team could test Streamline with real

data as they developed it.

