

## Commitment to Our Clients



- I. Precision Pigging does not charge for a second re-run, regardless of fault. A minor personnel charge may be applied (typically about \$750.00/day) as long as the re-run takes place during the initial mobilization.
- II. Never any hidden fees or added costs.
- III. No tool “stand-by” charges.
- IV. Precision Pigging’s tool is rugged and proven with virtually zero chatter. If our pig chatters, it’s our fault!
- V. Precision Pigging will do the job right the first time.
  - A. Over the past 3 years, Precision Pigging has a first run success rate of over 97%.
  - B. We take pride in our work and ensure that when our tool goes into your pipeline it is working properly.
  - C. Only Precision Pigging offers a 10% discount for incomplete data on that run and not some future project.
- VI. If Precision Pigging fails to properly record the line section in its first run, and it is a direct result of Precision Pigging’s actions or geometry tool’s performance, Precision Pigging will issue an immediate 10% discount off of that line’s section charges (not to include the mobilization fee). Failure to record includes:
  - A. Any chatter that prevents the identification of a reduction 1.50% of the OD, regardless of the pipeline’s condition.
  - B. Tool surges resulting in inaccurate data, as long as the head pressure is maintained at +/- 5psi of requested amount.
  - C. Failure to record your pipeline’s data properly.
- VII. Project bids remain valid for up to 6 months. We will never rush or pressure your decision.
- VIII. Precision Pigging will provide access to your pipeline’s field data, typically within 24 hours, anywhere in the world, via our secured Internet web site. Your data is protected and requires a unique user name and password for each individual line section.
- IX. Our tool will record a “sharp” or “flat” between 2.0% - 2.5% of the pipe’s OD within 0.3% of the pipe’s OD. If you excavate a 2.0% - 2.5% called “sharp” or “flat” and it is not within 0.3% of the referenced reduction, Precision Pigging will issue an immediate discount of 5% on that run’s charges (excluding the mobilization charge). A maximum of four (4) 5% discounts will be given per line section.
- X. Precision Pigging has one of the most accurate geometry tools in the United States and in the World.
  - A. None of the anomaly excavations that Precision Pigging requested in 2007 and 2008 either “relieved” or disappeared.
  - B. In 2007 and 2008, all of the reductions identified by Precision Pigging and excavated by the client were:
    1. within 2 feet or less in the pipe joint identified; and
    2. within 0.18% of the stated reduction.

## Accurate, Consistent and Economical

### ACE-3D™

A rugged, reliable, and proven tool for locating and sizing pipeline diameter reductions (anomalies). Simple and economical, **ACE-3D™** is the ultimate answer for visualization of pipeline integrity in hostile applications such as new pipeline construction. Ultimately, the tool serves as a “go/no go” tool prior to the commissioning of a new spread. The **ACE-3D™** also provides detailed, quality inspections for a variety of on-stream applications. Precision Pigging’s line of geometry equipment fuses state-of-the-art technology with common sense analysis and a commitment to outstanding service for every client.

### Features of the Precision Pigging ACE-3D™ Geometry Tool:

- Small, lightweight, and durable tool using proven technology with a 97% first run success rate.
- Multi-channel digital inspection tool with the highest level of sensitivity of any geometry tool currently available.
- Determines orientation (o’clock position) of pipeline reductions.
- Categorizes pipeline bends and specifies bend radius and angles.
- Bluetooth™-enabled for near-instantaneous data download, even before the tool leaves the line.
- Mapping X–Y–Z coordinates.
- Capable of traversing reductions up to 25 percent.
- On-site field report followed by a comprehensive final report.
- Sizes 6-inch to 48-inch.



# Features and Benefits



The **ACE-3D™** tool combines elegant design with sophisticated technology. Unmatched in the industry, Precision Pigging geometry tools provide the most extensive pipe wall coverage for superior detection and location of pipeline anomalies in both newly constructed and existing pipelines. The robust yet simple design of the **ACE-3D™** has resulted in a 97% first run success rate.

*“We use Precision Pigging because they have the best geometry tool on the market. Never had an over call; if Precision Pigging calls it – you can bet it’s there.”*

– Earl Kesner,  
General Superintendent,  
Henkels & McCoy, Inc.



# Inspection

*Precision Pigging’s stated mission is to provide unequalled service in the geometry inspection field.*



We advance our stated mission by providing the required: quick turnaround of requested quotations, field reports, and final inspection reports. We surpass our stated mission by delivering unparalleled on-site service. No project is too small nor too big.

Precision Pigging tools range in size from 6-inch to 48-inch and serve both on-stream applications and new construction pipeline operations. Precision Pigging geometry tools are accurate to within 0.01 of an inch in detecting anomalies.

Precision Pigging’s new **ACE-3D™** geometry tool has up to 32 digital recording channels. The increased number of recording channels amplifies the sensitivity of these tools for markedly better performance in data collection. Utilizing the latest in Bluetooth™ technology, the **ACE-3D™** is the most **Advanced, Consistent, and Economical** geometry tool on the market.

Family owned and operated, Precision Pigging conducts caliper inspections throughout North and South America. We look forward to becoming your preferred contractor for geometry inspections.

# The Future of Pipeline Geometry

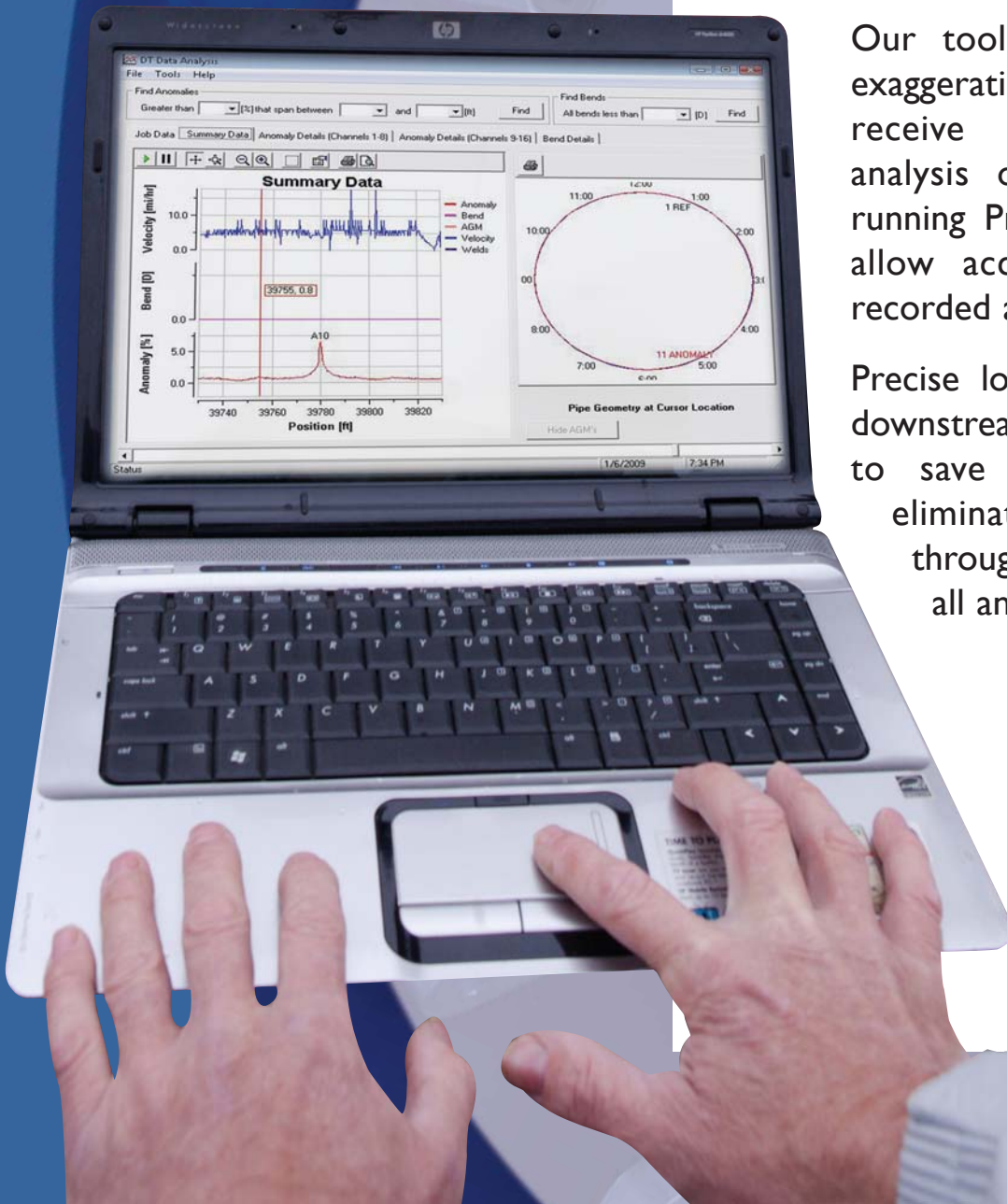
Precision Pigging's multi-channel digital tool is capable of determining anomalies, wrinkles, buckles, pipeline ovality, valves, tees, girth welds, pipe wall thickness, the o'clock positioning on the pipeline wall, and bend data. This ruggedly designed tool can withstand the abuse of new construction and the rigors of on-stream production.

Our tools produce virtually no exaggeration or chatter. Clients receive detailed reports and analysis of data gathered from running Precision Pigging tools to allow accurate identification of recorded anomalies.

Precise location of upstream and downstream features allows clients to save time and money by eliminating unnecessary digs through accurate recording of all anomalies by **ACE-3D™**.



- Precise location and evaluation of pipeline integrity
- Accurate and reliable through any pipeline configuration
- Detection of anomalies within 1%
- Capable of negotiating 25% bore restrictions
- Detects features and anomalies including: valves, flanges, fittings, bends and elbows, girth welds, lateral and vertical direction changes, ID changes, misalignment, weld variations, ovalities, buckles, and dents.



# Beyond Comparison

	<b>PRECISION PIGGING</b>	<b>COMPETITOR 1</b>	<b>COMPETITOR 2</b>	<b>COMPETITOR 3</b>
Up to 32 Digital Channels	✓	?	?	?
Feature Orientation +/-5.625 Degrees	✓	?	?	?
Capable of Back to Back to Back Bends	✓	?	?	?
X,Y, Z Gyros for Impeccable Multi-planar Orientation	✓	?	?	?
Guaranteed Accuracy to be Within 0.25%	✓	?	?	?
Mapping Capabilities	✓	?	?	?
Records Reliable and Accurate Data at 10 MPH	✓	?	?	?
No Charge for Re-runs, Regardless of Fault	✓	?	?	?
Instantly Accessible Data Worldwide Through Secure Internet Uplink	✓	?	?	?
Operational at 3500 psig	✓	?	?	?
Data Sampling Every 2 Milliseconds	✓	?	?	?
Low and High End Temperature Operations	✓	?	?	?