



**ONSTREAM**  
member of  MISTRAS



**PIPELINE INSPECTION  
SERVICES**





Get the Complete Picture with  
**TriStream™ MFL**

Onstream Pipeline Inspection, member of MISTRAS Group (NYSE:MG), is a leading provider of pipeline inline inspection (ILI) services. We specialize in conventional and tethered bi-directional ultra high resolution ILI services. We have successfully executed over 10,000 inline inspection projects.

Just like you need red, green, and blue to see a picture in full color, Magnetic Flux Leakage (MFL) tools need to capture three signal vectors to obtain ultra-high-resolution metal loss data. Most MFL tools capture only one, but Onstream's TriStream MFL™ uses triaxial sensor technology to capture all three to help operators Get The Complete Picture.

Some of our other differentiators include:

- Rapid deployment of crews and equipment
- Average final report delivery in under 30 days
- All tools are available as full combo (Metal Loss, Geometry and Mapping)
- Extensive database of validated defects
- Support from MISTRAS' global network

OVERVIEW

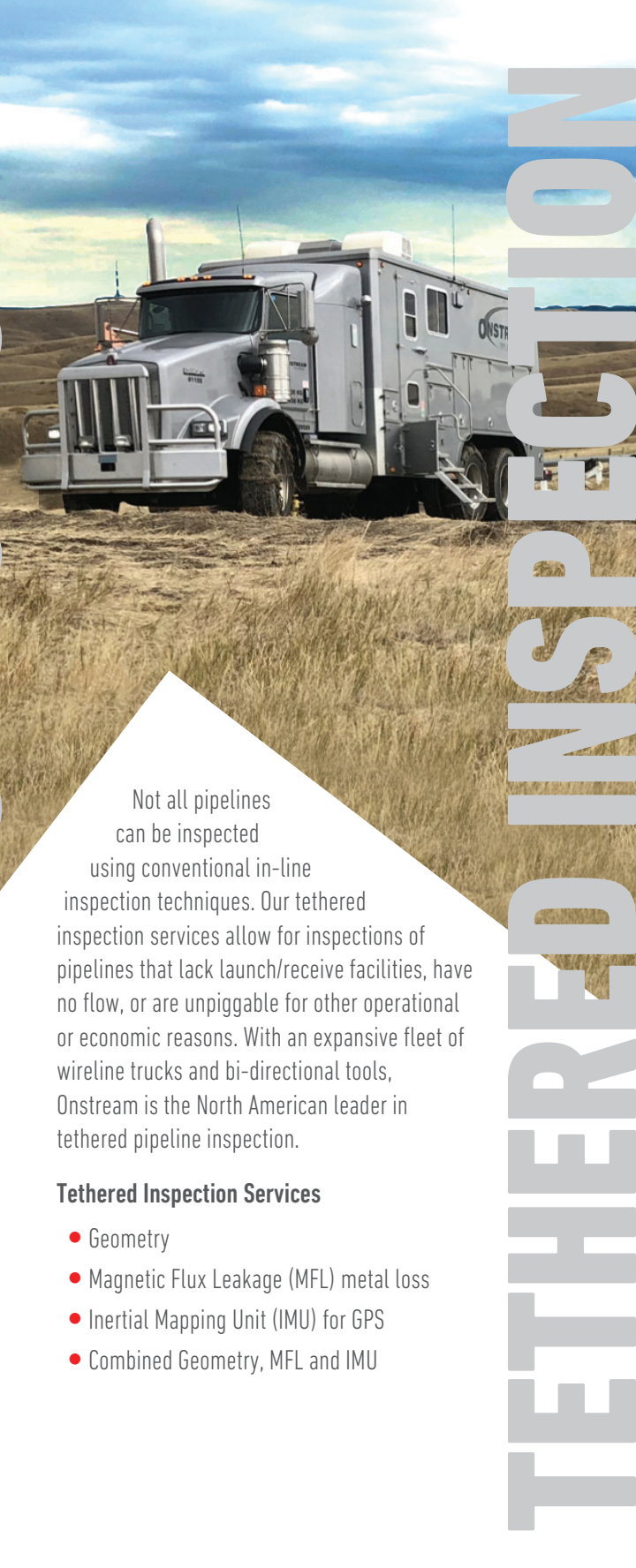


# IN-LINE INSPECTION

Pipeline inspection is a fundamental component of an integrity management program. In-line inspection allows operators to assess the integrity of a pipeline with minimal operational interruption. Onstream's state-of-the-art in-line inspection technology addresses multiple threats for pipelines, which may be regulated, nonregulated, or newly constructed.

## **In-line Inspection Services**

- New construction caliper
- Stand-alone geometry
- Magnetic Flux Leakage (MFL) metal loss
- Inertial Mapping Unit (IMU) for GPS
- Combined geometry, MFL, and IMU
- Cruise control (variable bypass)



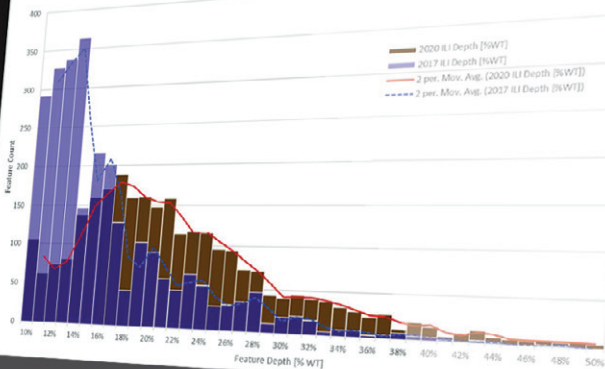
Not all pipelines can be inspected using conventional in-line inspection techniques. Our tethered inspection services allow for inspections of pipelines that lack launch/receive facilities, have no flow, or are unpiggable for other operational or economic reasons. With an expansive fleet of wireline trucks and bi-directional tools, Onstream is the North American leader in tethered pipeline inspection.

### **Tethered Inspection Services**

- Geometry
- Magnetic Flux Leakage (MFL) metal loss
- Inertial Mapping Unit (IMU) for GPS
- Combined Geometry, MFL and IMU

TETHERED INSPECTION

Depth Histogram - 2017 and 2020 ILI Results



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Pipeline inspection data is used to perform integrity assessments to support engineering and dig decisions. These assessments can enhance the value of a pipeline inspection report and help operators optimize their dig programs. Onstream has the software and the expertise to provide a number of these solutions.

### Integrity Engineering Services

- Dent strain, restraint parameter, fatigue assessment
- Wrinkle and ovality assessment
- Bend strain, run-to-run pipeline movement and strain comparison
- Signal-to-signal and signal-to-box corrosion growth
- Fitness for service - immediate and future with dig program optimization
- Plausible profile assessment (MFL & NDE)
- PHMSA & CSA Compliance

DATA SERVICES



GET MORE  
ACCURATE  
DEFECT SIZING



OPTIMIZE DIG  
COSTS



IMPROVE PIPELINE  
INTEGRITY

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