

# PRODUCT OVERVIEW

*Video Inspection and Rehabilitation Equipment*



See what you're missing.

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**Aries' talented people, high-performance manufacturing and advanced support systems provide the equipment you need as you work to preserve pipeline and well integrity.**

Aries manufactures efficient and durable inspection systems, rehabilitation equipment and data management software used by underground infrastructure professionals worldwide. Our technology-driven products operate with long life and the performance you need to keep your crews running faster and longer. We support our products with service and technical assistance before and after the sale, to maximize your uptime, your productivity and your profit.



SEWER



WELL



OIL & GAS



MINING

## Leading manufacturer of inspection and rehabilitation solutions for underground infrastructure

Aries is one of the largest suppliers of video inspection equipment to contractors and municipalities. We manufacture cameras ranging from basic push cameras to advanced Pan & Tilt models with self-cleaning lenses. Systems range from affordable portable systems to powerful, steerable transporters with high traction and maneuverability.

Sewer Grouting Systems efficiently test and seal mainline and lateral connections to halt ground water infiltration. Aries is the leading manufacturer of custom grout trucks that provide a professional working platform to eliminate I&I. Our durable CCTV trucks and trailers use high-quality materials, superior workmanship and efficient layouts to ensure high productivity.

Since 1985, customers have trusted Aries equipment to inspect, manage data and rehab their infrastructure. Our products are used in sewer, water well, oil & gas and mining industries throughout the world.

Aries is a U.S.-based company with its corporate office in Waukesha, Wisconsin. Sales, service and parts centers located in Georgia, California and Ontario, Canada, provide quick service and response times.



# VIDEO INSPECTION

## Mainline and Lateral Cameras

### High-technology electronics to acquire quality images in harsh conditions

Aries offers a range of low-maintenance cameras to meet your specific needs. Models with the industry's first self-cleaning lens provide more time in the pipe for high productivity.

#### Mainline Cameras for Accurate Assessments

- Pan & Tilt for wide-angle observation
- High intensity, low-maintenance LED array
- 40X zoom to acquire detailed images
- Corrosion-resistant materials for long service life

#### Compact Lateral Cameras for Tight Spaces

- Mini Pan & Tilt with self-cleaning lens
- Self-leveling camera for easy maneuvering
- 512 Hz transmitting beacon



#### PE3410 and PE3510 Mainline Camera

The WiperCam Pan & Tilt camera ensures more time in the pipe with its low-maintenance, field-replaceable wipers. Accurate assessments are easy with its 300° viewing angle and ultra light-sensitivity. For 6-inch and larger pipes.

#### PE2620 Mainline Camera

The Illumi-Zoom Pan & Tilt camera provides precise camera head positioning with a 285° viewing angle. High intensity LED light and 40X zoom captures images in 6-inch and larger pipes.

#### PE3600 Lateral Camera

The Mini Pan & Tilt camera features field-replaceable wipers that clean the lens and lights. "Smart Upright Home" circuitry and steering probes provide superior navigation in 3-inch and larger service laterals.

#### ST930 Mainline and Lateral Camera

A stainless steel housing and replaceable sapphire view port make this micro push camera ideal for rugged use in 3-inch or larger pipes. It can maneuver over difficult offset joints and negotiate 90° bends and tees.

## Mobile Pathfinder Inspection System

### Compact, rugged system is easy to transport, set up and operate

The integrated Mobile Pathfinder features a lightweight reel with 1000 feet of cable and the steerable Pathfinder Series Inspection System. See **Transporters** on page 5.

An electric lift allows the WiperCam Pan & Tilt camera to be centered in pipes from 6- to 36-inch and larger. A self-cleaning lens ensures sharp video.

The system is operated with an easy-to-use controller that can be hand-held or desk-top mounted. The all-in-one unit includes a rechargeable wireless keyboard and integrated overlay for video titling and fault annotation. The controller features an 8.4-inch LED screen and internal DVR.

The Pathfinder TR3310 tractor provides high traction for longer pulls. A free-wheel clutch and level wind facilitates quick tractor retrieval.



## Sentinel Inspection System

### Basic, reliable mobile system provides easy maintenance and troubleshooting

The compact Sentinel is easy to transport and set up. It can be used as an entry-level inspection system, or function as an ancillary unit, shared among CCTV trucks for simple, quick inspections. With its small design, the self-contained unit can be operated out of a pickup truck or an ATV.

The system includes a lightweight reel with 700 feet of cable. A non-steerable tractor, with optional Large Line Kit and auxiliary light, can be set up quickly for operation in 8- to 36-inch pipe.

A controller with an 8.4-inch LED screen operates the reel, tractor, Pan & Tilt camera and lights. It includes an internal DVR with snapshot photo capture. A manual lift keeps the camera centered in the pipe.

The Sentinel's simple, reliable design with minimal parts provides long life, low maintenance and easy troubleshooting.



All-in-one controller

## Seeker 2.0 Portable Inspection System

### Lightweight unit provides quality video with integral recording, large screen and keyboard

The easy-to-use, contractor-grade Seeker 2.0 operates in pipes of 3 inches or larger. The 40 lb system is self-contained, operating on internal battery power with no external wiring.

The unit combines a lightweight reel with 200 feet of cable and a water-resistant power-supply/control unit. Visibility of the large 10.4-inch LCD screen is enhanced with the light-shielding cover.

Two cameras are available: a self-leveling straight view camera or a Pan & Tilt camera. An optional steering probe is available on the Pan & Tilt camera to navigate tight turns.



Pan & Tilt Camera with Optional Steering Probe

Straight View Camera





## Transporters

### Powerful transporters navigate difficult pipelines

Robust, self-propelled Aries transporters operate over long distances through harsh pipe conditions.

A combination of power and balance provides superior traction and maneuverability. Choose the model that best meets your distance, condition, and pipe size, from 5- to 72-inch diameter.

Large Line Kits, with optional wheels and extensions, allow you to match pipe contours and navigate difficult offsets, protruding laterals and other obstacles.

Stainless steel, brass and other corrosion-resistant parts ensure long-life operation.



#### Steerable Pathfinder Series

The Pathfinder tractor with a self-cleaning Pan & Tilt camera efficiently provides accurate assessments. Upgraded drive components in Pathfinder Model TR3310 result in better traction for longer pulls and faster inspections. An electric lift keeps the camera centered in pipes from 6- to 36-inch and larger. The Pathfinder XL inspects 8-inch and larger pipes.

#### Badger Wheeled Transporters

The industry's premier workhorse tractor operates in 6- to 48-inch diameter pipelines. A balanced chassis, powerful transmission and DC continuous-duty motor ensure long-distance pulls for high productivity.

#### Taurus Track Transporters

Strong, responsive transporters operate over long distances in adverse conditions. Sealed electrical connections and a maintenance-free drivetrain provide long-life.

#### Titan Large Transporters

Remote camera lift and 360° turning radius provide superior maneuverability in large pipelines, storm drains or box culverts.

## LETS 6.0® (Lateral Evaluation Television System)

### The ultimate mainline and lateral inspection system navigates 6-inch mainlines

With its slim unibody design and powerful tractor, LETS 6.0 moves quickly through harsh mainline conditions. The main camera observes mainline conditions, and then monitors the lateral camera launch.

A contoured chute enables the lateral camera to be deployed with or against the flow, at a 135-degree launch angle. Choose from a self-leveling lateral camera or a Pan& Tilt camera. An in-the pipe wiper system cleans the lens for reduced maintenance and increased uptime.

This system provides great operator control:

- System inspects laterals to 150 feet
- Rear-facing camera monitors both push cables when in reverse and during retrieval
- Aries' Master Controller provides remote control with Xbox 360® controller\*



Easily navigates  
135° pipe bends

\*Xbox 360® is a registered trademark of Microsoft®

# REHABILITATION SYSTEMS

## Sewer Grouting Systems

### Test and seal system halts leaks in sewer mains and service laterals

Aries is the leading manufacturer of standard and custom-built sewer grouting systems. Grouting is a permanent solution for municipalities which need to eliminate costly, unneeded treatment of diluted sewage.

An Aries grout truck is a complete system with equipment to pump the chemicals under pressure to the grouting packer in the pipeline. The operator works in the control room to test, seal and validate that the joints have been made watertight.

#### Grout Truck Operating Benefits:

- Electronic control system with simple push-button operation reduces test and seal time.
- 60-gallon mixing tanks enable the mixing of a new batch of chemical while continuing the grouting process.
- High-power winches move the packer from joint to joint.
- 800 feet of hose enables multiple run set-ups from a single entry point, reducing set-up time.



## Vehicle Mounted Systems

### Inspection and rehabilitation vehicles provide a professional working platform

Aries vehicle systems are designed and built to meet the specific end-user needs. The vehicles are a state-of-the-art control center for operating inspections and rehabilitation systems.

Aries units are recognized for their high-quality materials, workmanship and layouts, providing superior maneuverability and safety.

#### Vehicle Benefits:

- Easy Operation: Special workplace designs provide ample room to maneuver; state-of-the-art control center.
- Durable, Long-Lasting Design: Built contractor-tough to ensure many years of productive service.
- Vehicle Types: Trailers, high cube trucks, cargo vans and ATVs.



Master Controller Can Be Retrofitted Into Existing Vehicles

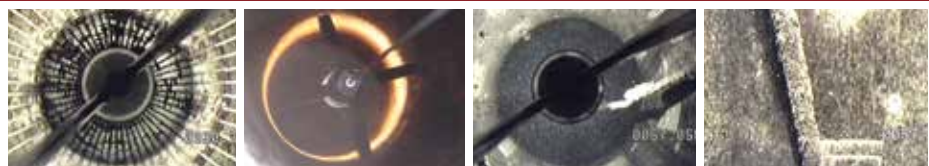
Xbox 360® Controller\*



\*Xbox 360® is a registered trademark of Microsoft®

# WELL INSPECTION

## Cameras and Mobile Systems



### Equipment identifies potential problems avoiding more serious, costly repairs

Aries equipment is used around the world by contractors and well owners in the water well, oil and gas and mining industries.

#### Downhole Inspection Cameras

Aries' water well cameras capture clear video at depths from 500 to 5000 feet. Cameras are available with minimum borehole sizes of 2 and 4 inches.

#### Mobile Inspection Systems

Aries' component-based systems operate as mobile set-ups, or with the winch mounted in a vehicle with rack-mounted controls. The camera power supply with overlay operates a choice of Aries' two borehole cameras. An optional swivel base and boom arm is available for vehicle mounting.



### Integrated Explorer System for Quick Assessments

The Explorer is easily set-up by one operator for inspections at depths to 1200 feet. The compact unit, with its user-friendly interface, helps identify issues before they become more serious.

- Advanced camera for 2- to 12-inch diameter boreholes
- Side view/down view capability with 360° rotation
- High intensity LED arrays for both views
- Manual iris adjustment for clear images in low lighting
- Variable motor speeds up 40 feet-per-minute
- Automatic level-wind ensures faster camera retrieval

# DATA MANAGEMENT

## Pipeline Data Collection Software

### Seamless integration with inspection systems to manage data and create professional reports

#### Sewer Inspection Software

Aries PipeOptix® is an affordable, entry-level application that is easy to learn, set up and use. It offers a solution to small municipalities and contractors with basic requirements to manage inspection data. PipeOptix® is PACP and LACP certified.

PipeTech® Software, is a cutting-edge solution for collecting and managing inspection data. PipeTech® Scan provides a wide range of data for study. PipeTech® View seamlessly transfers data from the field into the office for assessment.







[www.ariesindustries.com](http://www.ariesindustries.com)

See what you're missing.



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