

THE PT MAIN LINE Portable Main-line system

From 6" - 40" (inches) 150 to 1200mm Dia Pipes

Portable PT Main Line CCYV inspection System

This Pipeline Inspection Color Television System is designed for internal pipe inspection of sewer lines, water mains and utility ducts. The basic system has camera, lighthouse and cabling capability for 8" thru 40" diameter lines up to 1,000 ft long working manhole to manhole.

High resolution camera module and high intensity lighting let you see details that other cameras miss. Brushless drive motors and electronic clutches in the tractor yield longer life, less maintenance and maximum power in a minimum size.

Automatic Camera Elevation

Main Line Control Unit



Winch Control Unit

Tilt & Rotate Zoom Camera

The PT Main Line System Control Unit with the following built in components:

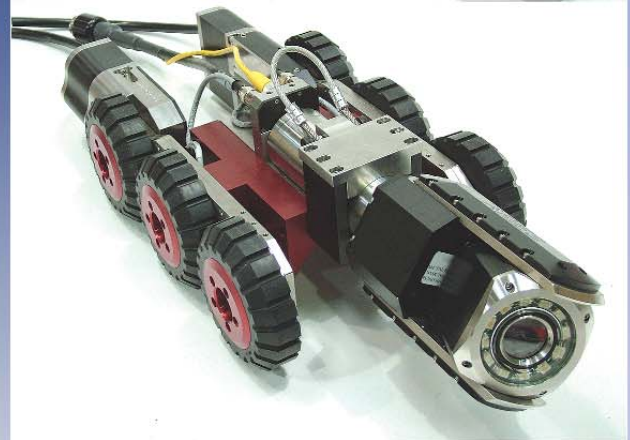
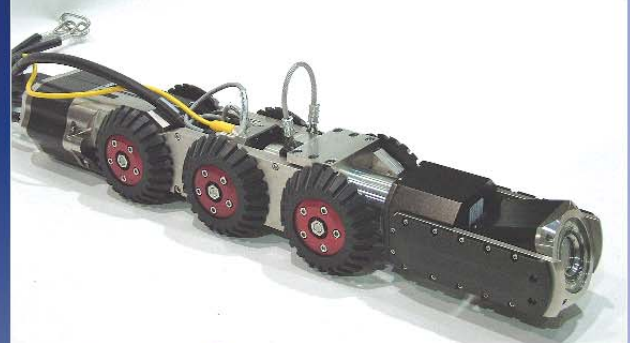
- 1 - 10.4" LCD monitor
- 1 - Set of video recorder audio and video jacks
- 1 - Hand held camera, tractor and reel controller
- 1 - Lighthouse intensity control
- 1 - 240V AC power input GFI protected plug with cord
- 1 - Multi-function system diagnostic test meter
- 1 - 240V AC duplex GFI protected outlet
- 1 - Video Data Display and Report Writer System with:
- 1 - Alphanumeric full "QWERTY" keyboard

Pathfinder Zoom multi-conductor, pan and tilt radial view, LED-illuminated, zoom, color sewer TV camera, consisting of:

- Maintenance-free directional camera LED light system for 6" to 72" pipes and ducts.
- Built-in diagnostics system to monitor camera operating conditions. - - Camera storage and transport case.
- Spare parts kit.

Camera features include:

- 360° continuous axial rotation
- 300° pan & tilt rotation
- 40X zoom (10X optical & 4X digital)
- Automatic or remote adjustable focus
- Automatic or remote adjustable iris
- Automatic home feature with forks at side of camera head
- Automatic white balance circuitry
- PAL color imaging module
- SMARTEK internal diagnostic system
- 0.1 Lux low-light STARLITE mode



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The PT Main Line CCTV System with a pan and tilt camera with high intensity LED lightring, consisting of:

- 1 - Tilt & Rotate zoom camera w/ 360° continuous rotation
- 1 - Maintenance-free directional lighting system with 48-LED lightring for 8" to 40" pipelines
- 1 - Fast-check pressure monitoring system
- 1 - PAL color imaging module
- 1 - Spare parts kit
- 1 - Camera/tractor storage and transport case.

Camera Pan and Tilt Angle and Rotational Viewing Joystick Controller for 360 degree Side View, 240 degree Pan and Tilt Angle with Remote Focus and Iris Control of both cameras.

1 - Test cable, Pathfinder system

1 - PT Main Line tractor for 8" to 40" pipelines, to include the following:

- 1 Tractor assembly with continuous duty drive motor
- 1 Set each of 3", 4" and 5" rubber tires for 8"-30" sewer lines
- 1 Set transmission couplings and width adjustment bars for operation in 12" to 30" sewer lines
- 1 Set maintenance parts
- 1 Desktop transporter controller with speed adjustment and forward/reverse

1 - Omega video data display and report writer system with:

- Data display control module, Saturn case mounted
- Alphanumeric full "QWERTY" keyboard for video titling and report data input (must be built in control unit for storage safety)
- Ink jet printer

1 - DVD/VCR combination recording unit, including: 1 - DVD/VHS recorder with one-touch DVD or VHS dubbing

Wheel Drive Transporter

The PT Main Line wheeled transporter brings you another tool to enhance your sewer inspection options. This transporter features rugged stainless steel construction with a powerful proven transmission DC continuous duty rated motor system. The transmission Aries designed for the tractor is extremely heavy duty with significantly larger gears to take ongoing operation in adverse conditions. The transporters use self-cleaning "agricultural" type chain sprockets, which help keep dirt and debris from the pipe out of the drive mechanism, making it the most reliable tractor in the industry.

The motor's gearbox assembly is a sealed unit with no electronic components within the watertight assembly. The gearbox is an oil bath design, which efficiently cools and lubricates the gears. The motor controller offers over-current protection and automatic reset. Should the tractor drive mechanism jam, the control circuit senses the motor overload condition and automatically opens the circuit, cutting power to the motor. Once the jam is cleared, the controller automatically resets and transporter motor can be operated.

This system has a weighted riser blocks that raise the camera into the center of the pipe and increase tractive effort. As each weighted riser block is added for larger pipe sizes, the camera is continually centered in the pipe for the best possible pipe inspection. This eliminates any need for a specialized camera lifting mechanism. The transporter connector is a waterproof military connector that does not allow water migration into the motor housing. The connection can be changed in seconds limiting downtime. The tractor's connector includes a waterproof military connector that does not allow water migration into the motor housing. This can be changed in seconds limiting downtime.

