



"The Standard of the Industry"



TV Systems

## Full-circle solutions for the Water, Wastewater, & Stormwater Industries for over 40 years!

CUES is the world's leading manufacturer of closed circuit television video (CCTV) inspection, rehabilitation, pipe profiling equipment and asset inspection/decision support software for sanitary and storm sewers, industrial process lines, and water lines. For over 40 years, CUES has provided innovative pipeline inspection technology and solutions to the Water/Wastewater industry to enable accurate condition assessment and proactive maintenance programs for buried infrastructure.

CUES continues to be the industry leader by designing and manufacturing a full-circle solution of products for pipe profiling, pipe rehabilitation, closed circuit television systems, and data acquisition with bi-directional interfaces to ESRI ArcGIS and asset management software such as Hansen and Azteca Cityworks

In addition to inspection equipment, CUES also designs, manufactures, and sells a broad range of pipeline rehabilitation and profiling equipment. These include chemical grouting systems for sewer line pipe joints capable of using a wide variety of grouting products. CUES also makes lateral reinstatement cutting systems which enable the reinstating of laterals in mainline sewers after they have been relined with any of a wide variety of liner materials. Pipe profiling is accomplished via Laser or Sonar based systems.

CUES after-sales support is a foundation of our business model. We provide professional videotapes, manuals, and CD format for system operation, safety, and maintenance. We also provide loaner equipment and full-time customer support and training by experienced industry professionals. Operator training schools with resultant certification are provided for our customers. Our emphasis on innovation and customer support has made CUES the world's largest supplier in our industry.

CUES operates its manufacturing and development operations from over 50,000 square feet of facilities in Orlando, FL. We maintain facilities for sales, service and repair in California, Georgia, Canada, and The Netherlands.

We appreciate the opportunity to serve you and look forward to hearing from you at your earliest convenience.



# Custom Vehicle & Trailer-mounted Systems



TV Systems

CUES proudly offers custom truck-mounted systems for all of your TV inspection and rehabilitation needs! Made to withstand the most severe conditions and ergonomically designed for comfort and efficiency, CUES truck mounted systems can include TV inspection equipment for sewer/storm/potable water lines, mainline joint or lateral sealing, and lateral reinstatement cutters for the relining industry. A truck chassis can be specified to contain all or any combination of the aforementioned equipment! CUES is a licensed truck dealership/truck-body converter and stocks various Ford, GMC, Chevrolet, Workhorse, International,

and Freightliner chassis, ranging from 9500 GVWR to 23,000 GVWR. With our in-house, state-of-the-art Vehicle Assembly area, CUES can substantially reduce the manufacturing time required for your turn-key truck-mounted system! Customize your truck interior, cabinets, equipment, and mounting configuration to fit your unique requirements! Depending on the specific vehicle, chassis are available in diesel, gas, and natural gas configurations. Optional dry freight box mounted systems are also available.



TV Only



TV Lamp



TV Cutter



TV Cutter Grout



TV Grout

**TV Inspection Trucks** - CUES offers a wide variety of chassis choices with custom interiors. Equipment can be ergonomically mounted to inspect 6" through 200" mainlines and 3" through 8" lateral services. User friendly Granite XP data acquisition software can interface with various asset management and ESRI ArcGIS systems.

**TV Mainline/Lateral Inspection Trucks** - Equipment can be ergonomically mounted to inspect 6" through 200" mainlines and 3" through 8" lateral services with optional equipment to inspect 3" through 8" lateral services with access from the mainline or a clean-out. The optional CUES LCS (Lateral Cleaning System) can also be supplied.

**TV/Grout Inspection Trucks** - This all-in-one production unit can complete TV Inspection of mainlines, laterals (optional), joint sealing of mainlines or laterals, and lateral reinstatement (cutting). Pipe inspection operations and the resultant rehabilitation action are facilitated by one integrated system.

**TV/Cutter Inspection Trucks** - Custom Cutter / TV inspection trucks include full capabilities for reinstating lateral services, removal of protruding taps, brush finishing existing cuts, and pre and post TV inspection.

**TV/Cutter/Grout Inspection Trucks** - This all-in-one production unit can complete TV Inspection of mainlines, laterals (optional), joint sealing of mainlines or laterals, and lateral reinstatement (cutting). Pipe inspection operations and the resultant rehabilitation action are facilitated by one integrated system.

**Evolution Interior Series** - All of the above vehicle mounted units are available with the state of the art Evolution Interior, featuring an ergonomic design to achieve ease of operation, safety, and convenient storage to produce the most efficient, rugged, and reliable system in today's market.



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# Custom Trailer-mounted Systems



**NEW K2 Portable Inspection System - Trailer-mounted**



**TV Systems**

## Custom Trailer-mounted Systems

Another effective alternative to truck-mounted systems! CUES proudly offers custom trailer-mounted systems for all of your TV inspection and rehabilitation needs! CUES trailer-mounted systems can include TV inspection equipment for sewer/storm/potable water lines, mainline joint or lateral sealing, and lateral reinstatement cutters for the relining industry. A variety of options can be added to expand your system, as needed. Customize your trailer interior, cabinets, equipment, and mounting configuration to fit your unique requirements!

### Features & Benefits:

- Can be used with a variety of vehicles
- Save the cost of a dedicated vehicle
- Can be set up with the same equipment as conventional truck-mounted systems
- Optional configurations are available





**TV Systems**



*more options*

*more flexibility*

*upgradeable to meet your needs*



*Portable, wireless control of all camera, transporter, and reel functions!*

CUES proudly introduces the Summit, a fully integrated power control system that is compatible with all CUES cameras, transporters, and the LAMP II wheeled lateral launcher. Power, system control, and video overlay functions are consolidated in the Summit system and mounted in minimal rack space to increase counter space and work area. Summit provides simplistic system initialization, operation, and shut down procedures, with an option for a wireless compact controller for all camera, transporter, reel, LAMP II lateral launcher, and camera lift functions.

- Operates all CUES pan and tilt / zoom pan and tilt cameras
- Operates all CUES steerable and non-steerable transporters
- Integrated portable controller for all camera, camera lift, transporter, video cable reel functions
- Integrated portable controller for LAMP II wheeled lateral launcher
- Optional wireless control from front and rear of unit
- Increased rack space and counter space due to consolidation of power, camera, transporter, and reel controls, and video overlay
- Simplicity: one switch enables the entire system initialization







### The Summit

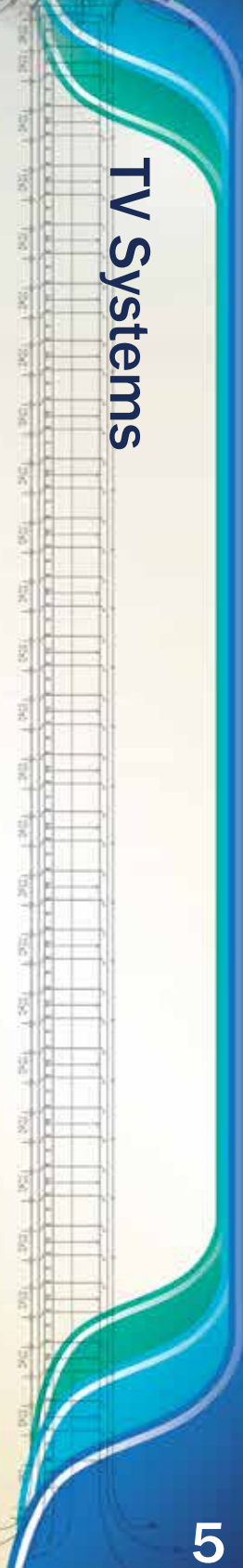
The Summit can be mounted in any vehicle, including a Trailer, Van, Sprinter, Hi-Cube, Stepvan, or ATV. Customize your vehicle interior, cabinets, equipment, and mounting configuration to fit your unique requirements!



An optional wireless, compact controller is available for all camera, transporter, reel, LAMP II lateral launcher, and camera lift functions.



## TV Systems





## Evolution Series II Interior



TV REEL



VIEWING ROOM WITH ELECTRONIC COMPONENTS MOUNTED ABOVE THE DESKTOP & ADDITIONAL COUNTERSPACE



VIEWING ROOM FLAT SCREEN MONITORS & INDIRECT LIGHTING

**Evolution Series II Interior** provides an ergonomic design to achieve ease of operation, safety, and convenient storage to produce the most efficient, rugged, and reliable system in today's market. The Evolution Interior II offers the same state of the art interior as the Evolution Series I Interior, but also features additional mounting options for equipment components and enhanced lighting.

**OPTIONS:**

- Sliding drawer storage in rear kick plate of truck for tools and accessories
- Lockable storage cabinet in rear kick plate for camera/transporter and downhole poles
- Hazard strobe warning light system
- Front and rear directional light bars
- Rear awning for protection from the sun and rain
- Intercom system for communication between the two rooms
- Retractable water hose reel
- Side entry door
- Wireless keyboard and mouse
- Additional custom cabinetry (customer to specify)
- Custom laminate colors (customer to specify)
- 20 gallon washdown system
- Remote (Equipment room mounted) flat-screen monitor with adjustable arm
- Custom flooring patterns and colors (customer to specify)
- 12V courtesy lighting with 15 minute timer
- Electronic gear selector for reel transmission







## Features & Benefits:

- Contemporary, ergonomically enhanced design
- "Safety Plus Visual" viewing window allows operator to see manhole/reel area plus the Equipment Room while seated comfortably at the control station
- Indirect lighting - produces even lighting, which eliminates glare on monitors
- Electronic components mounted above the desktop to increase countertop space
- Flat screen video and computer monitor on desktop increases valuable counter top space
- All Standard electronic components mounted in climate controlled cabinet
- All plywood cabinet construction
- Seamless walls and ceilings for easy cleaning
- Viewing room can be secured with locking door handles
- Rear floodlights placed inside of rear doors for quick, simple adjustments
- Certain areas of Viewing and Equipment rooms intentionally left "open" for customer
- specified cabinetry and/or storage containers
- Designed for even weight distribution from side to side
- Storage shelves in the Equipment Room



EQUIPMENT ROOM WITH LARGE VIEWING ROOM WINDOW

- An optional electronic gear selector is available for the reel transmission
- An optional retractable water hose reel is available in the Equipment Room
- Storage shelves are provided in the Equipment Room

- Includes a contemporary, ergonomically enhanced design
- Flat screen video and computer monitors are provided on the desktop to increase countertop space
- An optional wireless keyboard and mouse are available
- Electronic components are mounted above the desktop for added space
- All standard electrical components are mounted in a climate-controlled cabinet

- Includes a "Safety Plus Visual" viewing window to allow the operator to see the manhole/reel area plus the Equipment Room while seated comfortably at the control station
- An optional intercom system is available to communicate between the equipment and viewing rooms
- Includes indirect lighting to produce even light distribution and eliminate glare on the monitors
- Optional 12V courtesy lighting with a 15-minute timer is available in the Viewing and Equipment Rooms
- Viewing room can be secured with locking door handles

- Seamless walls and ceilings for easy cleaning
- All cabinets are constructed of plywood
- Certain areas of the Viewing and Equipment rooms are left "open" for optional customer-specific cabinetry and/or storage containers
- Optional custom cabinetry, laminate colors, flooring patterns / colors are available
- Rear awning provides protection from extreme weather conditions (optional)
- An optional 20-Gallon (minimum) washdown system with a 12 VDC water pump in the Equipment Room helps maintain water pressure for wash down of all cameras, transporters and other related equipment; the washdown system includes a stainless steel sink with a gooseneck faucet located on top of the plywood worktop
- An optional side entry door is available to provide easy access
- Layout is designed for even weight distribution from side to side
- Rear floodlights are installed inside of the rear doors for quick, simple adjustments
- An optional remote (equipment-room mounted) flat-screen monitor with adjustable arm is available
- Optional directional light bars are available on the front and rear of the vehicle
- An optional hazard strobe light warning system is available
- Optional sliding drawer(s) are available in the rear kickplate to store additional tools and accessories
- An optional lockable cabinet in the rear kickplate is available to store the camera/transporter and downhole poles