



step-vans

CUES truck-mounted systems can include TV inspection equipment for sewer, storm, and potable water lines, mainline joint or lateral sealing, and lateral reinstatement cutters for the relining industry. A truck chassis can be modified to contain all or any combination of the aforementioned equipment!

hi-cubes



evolution series

Truck-mounted Systems



"The Standard of the Industry"



CUSTOM VEHICLE & TRAILER-MOUNTED 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.

EVOLUTION SERIES I INTERIOR



Custom Vehicle & Trailer-mounted Systems



Features & Benefits:

- Contemporary, ergonomically enhanced design
- "Safety Plus Visual" viewing window allows operator to see manhole/reel area plus the entire Equipment Room while seated comfortably at the control station
- Ergonomic (angled) placement of main controllers in desktop with recessed housing
- Indirect lighting - produces even lighting, which eliminates glare on monitors and "hot spots" in the room
- 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

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)
- Rounded bulkhead walls (10' Radius).
- 20 gallon washdown system
- Remote (Equipment room mounted) 14" flat-screen monitor with "Ultimate" adjustment arm
- Custom flooring patterns and colors (customer to specify)
- 12V courtesy lighting with 15 minute timer
- Electronic gear selector for reel transmission



Evolution Series I Interior - most vehicle-mounted units are available with the state of the art Evolution Series I 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.



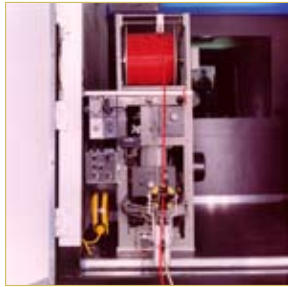
4' DRAWERS WITH EXTENSION SLIDES

- Sliding drawer(s) in the rear kickplate store additional tools and accessories (optional)
- A lockable cabinet in the rear kickplate stores the camera/transporter and downhole poles (optional)



EQUIPMENT ROOM WITH LARGE VIEWING ROOM WINDOW

- 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
- Custom cabinetry, laminate colors, flooring patterns / colors are available (optional)
- A rear awning provides protection from extreme weather conditions (optional)
- A 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 (optional)
- A side entry door provides easy access (optional)
- Layout is designed for even weight distribution from side to side
- Rear floodlights are installed inside of the rear doors for quick, simple adjustments
- Includes a remote (equipment-room mounted) 14" flat-screen monitor with "Ultimate" adjustment arm (optional)
- Directional light bars are provided on the front and rear of the vehicle
- A hazard strobe light warning system is available (optional)



REEL & WATER HOSE

- Includes an electronic gear selector for the reel transmission (optional)
- A retractable water hose reel is available in the Equipment Room (optional)



VIEWING ROOM WITH ADDITIONAL COUNTERSPACE

- Includes a contemporary, ergonomically enhanced design
- Flat screen video and computer monitors are provided on the desktop to increase countertop space
- A wireless keyboard and mouse are available in the Equipment Room (optional)
- All standard electronic components can be mounted above or below the desktop depending on your specific needs
- Includes an ergonomic (angled) placement of the main controllers in the desktop with recessed housing
- All standard electrical components are mounted in a climate-controlled cabinet
- Rounded bulkhead walls (10' radius) are installed between the Equipment and Viewing Rooms



VIEWING ROOM FLAT SCREEN MONITORS

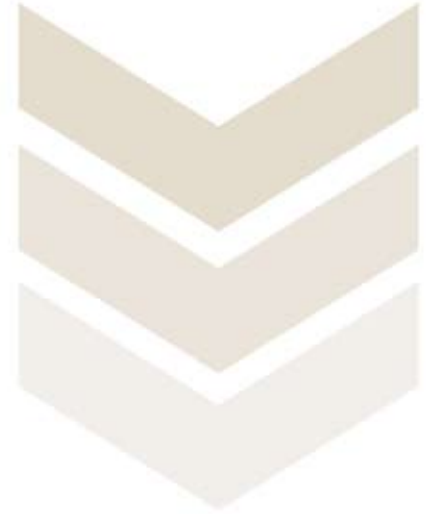
- Includes a "Safety Plus Visual" viewing window to allow the operator to see the manhole/reel area plus the entire Equipment Room while seated comfortably at the control station
- An intercom system is available to communicate between the equipment and viewing rooms (optional)



VIEWING ROOM WITH INDIRECT LIGHTING

- Includes indirect lighting to produce even light distribution and eliminate glare on the monitors and "hot spots" in the room
- The Viewing and Equipment Rooms can include (optional) 12V courtesy lighting with a 15-minute timer
- Viewing room can be secured with locking door handles

EVOLUTION SERIES II INTERIOR



Features & Benefits:

- Contemporary, ergonomically enhanced design
- "Safety Plus Visual" viewing window allows operator to see manhole/reel area plus the entire Equipment Room while seated comfortably at the control station
- Ergonomic (angled) placement of main controllers in desktop with recessed housing
- Indirect lighting - produces even lighting, which eliminates glare on monitors and "hot spots" in the room
- Electronic components are mounted above the desktop to increase 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

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)
- Rounded bulkhead walls (10' Radius).
- 20 gallon washdown system
- Remote (Equipment room mounted) 14" flat-screen monitor with "Ultimate" adjustment arm
- Custom flooring patterns and colors (customer to specify)
- 12V courtesy lighting with 15 minute timer
- Electronic gear selector for reel transmission



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.



EQUIPMENT ROOM WITH LARGE VIEWING ROOM WINDOW

- 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) 14" flat-screen monitor with "Ultimate" adjustment 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



TV REEL WITH OPTIONAL CRANE

- 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



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

- 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 for the Equipment Room.
- Electronic components are mounted above the desktop for added space
- Includes an ergonomic (angled) placement of the main controllers in the desktop with recessed housing
- All standard electrical components are mounted in a climate-controlled cabinet



VIEWING ROOM FLAT SCREEN MONITORS & INDIRECT LIGHTING

- Includes a "Safety Plus Visual" viewing window to allow the operator to see the manhole/reel area plus the entire 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 and "hot spots" in the room
- 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



“The Standard of the Industry”



NEW K2 Portable Inspection System - Trailer-mounted

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



“The Standard of the Industry”



International Workhorse

The CUES International Workhorse provides maximum flexibility and cost savings for custom television inspection, lateral reinstatement or combination inspection and sealing vehicles.

The CUES Workhorse is a unique system that you can install within a few hours on an existing vehicle or vehicle of your choice. All interior modifications, wiring and equipment are factory installed and tested in a rugged, customized 16' aluminum truck body, ready to set on your chassis. Freight and duty costs are reduced to a minimum. Within hours the Workhorse can be working for you!



Features & Benefits:

- Television inspection unit can mount on 10.700 GWV truck chassis, television and seal combination on 14.100 GWV chassis
- Saves freight and duty expenses: can mount on existing vehicle or chassis of choice; minimizes delivery, commissioning and training time
- Complete line of high resolution low light [3 lux] cameras to meet all television pipeline inspection challenges; operative with the hemispherical scanning RVC 360, fixed view CVC 460, or P&T Pan & Tilt/Optical Zoom cameras
- Hi-resolution 450 line industrial grade multiple standard [PAL, SECAM, NTSC, Y/C Video] monitor; rugged - does not compromise the resolution of the camera
- Available with multi-conductor, fiber optic, or single conductor cable; select the cable format that is most suitable for your applications
- Contoured, ergonomically designed control console; all controls are easily accessible to the operator; increased storage and counter space above and below the console
- Optional 110V or 220V generator mounted in protective enclosure with slide-out rails, automatic shore power/generator switchover; easy serviceability; saves space in the equipment room; completely self-enclosed for noise reduction and emission control
- Special brackets to mount power winch, down-hole poles and manhole top rollers; operator convenience, efficiency and maximized open space in the equipment room
- Available with power winch and 1000' of stainless steel cable; offers speedy, reliable movement of camera and packers
- Optional [single conductor or multi conductor] camera transporters for pipes from 4" to 200"; efficiency and speed of set up, allows inspection of dead-end spaces
- Viewing room options include Armstrong flooring, padded bench/storage seat and full length closet or solid bulkhead wall. Additional workbench available in equipment room with overhead storage cabinets in hicubes and step vans; extended floor life, extra storage and seating, maximized operator work area

"The Standard of the Industry"



Single Conductor 2000

TV Inspection System

The Single Conductor 2000 system has all the advantages of the older single conductor systems, like armored cable with 5600 lb breaking strength and abrasion resistance, coupled with UL approved digital power supplies with a five year manufacturers warranty.

One of the biggest advantages of the new power supply is that it will automatically reduce power output to zero if the cable is cut or damaged, causing no damage to the power supply. Sufficient power, light and traction to inspect 6" through 120" pipe with pan-and-tilt cameras and transporters.

...operates all CUES non-steerable wheeled and tracked transporters, including the Ultra Shorty & Pipe Ranger!



Features & Benefits:

- 10:1 optical zoom pan-and-tilt camera provides fine detail in large diameter pipe. Can see past obstructions in the pipe. Can look closely into laterals. **
- CUES transporters can pull a minimum of 1000 feet of cable in suitable pipe conditions
- Power supplies operate all single conductor cameras, to include CUES, RS Technical, CCV, and SRECO
- Operates all CUES non-steerable wheeled and tracked transporters, including Ultra Shorty and Pipe Ranger
- Operates CUES single-conductor pan-and-tilt cameras and optical zoom pan-and-tilt camera with 10:1 optical zoom with light enhancement
- Lightweight, high-strength, steel armored single conductor cable
- Digital power supplies provides adjustable voltage with universal frequencies

**Denotes optional equipment