



Specifications for: **City of Columbus, OH**
 Dealer: **M Tech Company**

Ohio STS 670
Contract 800001

Diesel Step Van Mounted Mainline TV Inspection System

Manufacturer	Model	Description	Price
CUES	SV	Step Van Mounted Mainline TV Inspection System for the inspection of 6" and larger Sanitary Sewers and Storm Drains	\$152,322.00

TV STEP VAN 16' Diesel - EVOLUTION SERIES

- 1 TV Step Van, Diesel with Automatic Transmission and 16' Load space**
 - 1 Blackout Curtain

- 1 TV Step Van Equipment to include:**
 - 2 Amber Electronic Strobe Warning Beacons Roof Mount
 - 2 Adjustable Floodlights Rear of Vehicle Area Illumination
 - 1 Standard Drivers Seat with Seatbelt and Sunvisor
 - 1 Standard Passenger Seat with Seatbelt and Sunvisor
 - 1 12 Volt Light, Cab Area
 - 1 Back-Up Alarm
 - 1 Cab Air Conditioner
 - 1 AM/FM Radio

- 1 TV Step Van Power Package to include:**
 - 1 7500 Watt, 120 Volt, 60 Hz Commercial Grade 'Quiet' Generator, Diesel Powered with Electric Start
 - 1 Generator Remote Start/Stop Cable Assembly
 - 1 Generator Storage Compartment with a Lockable External Access Door
 - 1 Commercial Power Supply Receptacle, 25' Cord and Plug
 - 1 Electric Supply Center with Circuit Breaker Box, Commercial Power and Generator Power Connectors
 - 1 Automatic Power Transfer Switch

- 1 TV Step Van Control Room Interior to Include:**
 - 1 13,500 Air Conditioner Roof Mount with 5600 BTU Heat Strip
 - 1 Lonseal Lonplate flooring
 - 1 Kemlite Surface Wall and Ceiling Covering
 - 1 Bulkhead Wall with Passage Door From Control Room To Equipment Room
 - 1 "Safety Plus Visual" viewing window located in bulkhead wall
 - 1 Control Console with Rack Mount for Electronic Equipment
 - 1 Contoured desk top area
 - 1 Controller housing in desk top (in angled, recessed housing)
 - 1 110 Volt Indirect Fluorescent Light Fixtures
 - 1 Electrical Outlet with Dual Receptacles
 - 1 Fire Extinguisher with Bracket, 10 BC Rating
 - 1 Operators Chair, swivel with casters

- 1 TV Step Van Equipment Room Interior to Include:**
 - 1 Interlocking Smooth Aluminum Floor with Non-skid Strips
 - 1 Smooth Aluminum Walls
 - 1 Embossed Aluminum Ceiling
 - 1 110 Volt Fluorescent Light Fixture
 - 1 Worktop covered with Lonseal Lonplate over TV Reel
 - 1 Electrical Outlet with Dual Receptacles
 - 1 Down hole Pole Mounting Bracket Assembly
 - 1 110 Volt Indirect Fluorescent Light Fixtures



- 1 **System Engineering Panel, Power Distribution System Rack Mount to include:**
 - 1 Voltage Readout, Power Supply
 - 1 Hertz Readout, Power Supply for 60Hz
 - 1 Generator Hour Readout
 - 1 Remote Generator Start/Stop Control Switch

- 1 **Color TV Power Control Unit-Multi Conductor Rack Mount, NTSC Color Standard to include:**
 - 1 TV Camera Remote Optical Focus Control
 - 1 TV Camera Automatic Iris Remote Control
 - 1 TV Camera Light head Intensity Control w/Meter
 - 1 Camera Test Cable

- 1 **Data Display System, Rack Mount, to include:**
 - 1 Alpha Numeric Information Display, with Multi Paging and Defect Coding (55 preprogrammed and 200 User definable defect codes minimum)
 - 1 Remote "QWERTY" Keyboard for Data Entry

- 1 **19" LCD Flat screen Color Industrial TV Monitor, NTSC/PAL Color Standards, Built-in Speakers**

- 1 **DVD Recorder System to include:**
 - 1 Rack Mount for DVD
 - 1 DVD recorder
 - 1 Cable Assembly - DVD to Power Control Unit
 - 1 Audio Recording Microphone

- 1 **Combination TV Transmission & Tow Cable Assembly to include:**
 - 1 1000' Gold-Multi Conductor Kevlar Fiber Armored Cable, .450" Diameter
 - 1 Kevlar Armored Cable Terminal Connector
 - 1 Y Eliminator Cable
 - 1 Stainless Steel bullet connection – field repairable – no scotchcast
 - 1 Cable Strain Relief

- 1 **Electric Motor Drive Television Cable Reel to include:**
 - 1 Power Level Wind & Multi-Ratio Manual Transmission
 - 1 Footage Meter with Local Counter and Remote Counter
 - 1 Transmission Control at Viewing Station
 - 1 Local Reel Mount Electrical & Mechanical Control
 - 1 Sealed Continuous Contact Collector Assembly
 - 1 Controller Cable Reel/Power Winch Motor

- 1 **OZIII Pan, Tilt, and Zoom Camera System to include:**
 - 1 Solid State Color Sewer TV Camera with a Pan & Rotate Camera Head, 40:1 Zoom Ratio, 10x Optical Zoom, 4x Digital Zoom, NTSC Color Standard, 4x Light Integration
 - 1 Camera Controller
 - 1 Camera Lighting System
 - 1 Camera Transportation and Storage Case

- 1 **Self-Propelled Camera Transporter to include:**
 - 1 Transmission Coupling and weighted spacer set for 6"- 24" Pipe Sizes with Freewheel and Powered Reverse
 - 1 Spare Parts Kit to include Additional Chain Links and Rubber Cleats
 - 1 Transporter Controller w/Automatic Safety Off



- 1 Cable Manhole Guide System to include:**
 - 1 TV Invert Pulley Assembly
 - 6 Quick Coupling Extension Poles
 - 1 Manhole Adapter Hook
 - 1 Manhole Top Roller Assembly
 - 1 Equipment Retrieval Tool

- 1 TV Inspection Accessories Package to include:**
 - 1 TV Maintenance Tool Kit
 - 3 Set of Manuals including Operation, Instruction and Maintenance TV
 - 1 Manual Spare Parts, TV
 - 1 Video Training, TV Systems Operating Procedures
 - 1 Video Training, System Trouble Shooting Procedures
 - 1 Video Training, TV Cable Repair Procedures

- 2 Days On-Site Training**

- 1 Delivery**

Add on:

CUES	Bumper	Extended Bumper with grading	\$705.00
CUES	RAMP	Bumper Long Ramp for truck	\$2,000.00
CUES	EVOII	Components Mounted Above Viewing Window	\$1,320.00
CUES	WC421	Padded Bench Seat	\$647.00
CUES	WC445	Storage Shelves under worktop	\$643.00
CUES	EC622	1500Watt Electric Wall Mounted Heater	\$395.00
CUES	TR442	Arrow Stick – Traffic Control Light Bar (\$1,231.00 each)	\$2,462.00
CUES	008855	20 Gallon Wash down System with Lower & Upper Storage Cabinet, and Retractable hose reel, 25' Water Hose, and Nozzle	\$2,884.00
CUES	LONEQ	Add Lonseal to Equipment Room	\$1,520.00
CUES	TR868	5-Drawer Tool Cabinet	\$810.00
CUES	WC425	Extended Base Cabinet Equipment room	\$826.00
CUES	TR794	Rear Awning for Protection from Elements	\$1,814.00
CUES	DP295	Rear 19" Flat Screen LCD Monitor	\$1,771.00
CUES	TR834	Interior Mounted Electric Crane	\$3,385.00



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CUES	WC435	Upper Cabinet Equipment room	\$541.00
CUES	WC438	Bulkhead Storage Shelves Equipment room EVOII	1,717.00
CUES	MD311-1	Permanent Truck mount K-2 PCU & Prodata with Standard Truck mounted TV Cable Reel	\$5,275.00
CUES	MD603	Logi Wireless Controller for K-2	\$486.00
CUES	GX300	Rack Mount Computer, Monitor, Printer Keyboard and Mouse	\$4,900.00
CUES	APRL	Auto Pay out System for TV Cable Reel	\$3,132.00
CUES	EL115	Add Additional Video Cable to Dolly Up to 1,000' (100' Increments \$4.20 per foot)	\$2,100.00
CUES	WM350	Compact Steerable Pipe Ranger Wheeled For 6" to 30" Mainline Inspection (IN LIEU OF US21 Ultra Shorty Track Transporter in Base Unit)	\$18,705.00
CUES	MZ902	Adapter Tube for OZIII Pan Tilt Zoom Camera For use in Large Transporters	\$2,371.00
CUES	WM320	Mechanical Lift to center camera in 18"-24" pipe for CPR	\$3,232.00
Total Base w/ Add on:		\$215,963.00	
Less 11% Discount:		<\$23,755.93>	
Total:		\$192,207.07	