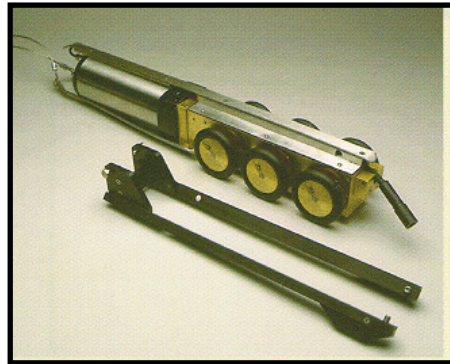




Design and Manufacture of Video Pipeline Inspection Systems
A Full Service Company

PRODUCT SPECIFICATIONS

MAINLINE TRACTOR TRANSPORT VEHICLE Model 32-2020



PERFORMANCE

- The Mainline Tractor Transport Vehicle is designed to operate on armored single conductor cable.
- It is capable of transporting stationary head Mainline cameras, rotating head cameras, as well as standard voltage mini cameras (with the appropriate tractor cradle adapters) through water mains, sanitary sewers or storm drains.
- Wheel tracking widths are adjustable for pipeline sizes that are 6-inches to 24-inches in diameter when the appropriate axle extensions are used.
- An axle extension user's guide is provided as standard equipment with the tractor.
- The tractor provides the required traction drive to inspect pipelines up to, 1200-feet from point of entry.
- It can travel at speeds of up to 45-feet per minute when carrying up to 13-pounds.
- Under heavy loading, controls within the tractor automatically increase the torque of the motor.
- The Tractor can negotiate 5/8-inch offsets and clear 5/8-inch protruding laterals in 6-inch lines.
- It has a minimum of three forward speeds, a reverse gear, a stop function, and freewheeling capabilities for easy extraction.

POWER

- The Mainline Tractor Transport Vehicle's built in power supply receives its control signals and power from the armored single conductor cable.
- The power supply also regulates the current and will automatically increase the motor torque if excess loading causes the power supply current to reach 1 Amp.
- Power is transferred to the wheels through a low maintenance gear assembly that is enclosed in a sealed housing.

PRODUCT SPECIFICATIONS

MAINLINE TRACTOR TRANSPORT VEHICLE

Model 32-2020

CONTROLS

- The tractor is controlled from an auxiliary desktop unit, which plugs into the camera controller at the viewing station.

PHYSICAL DESCRIPTION

- The tractor's motor housing is fabricated from aluminum and stainless steel. The finish is black hard anodize per MIL-A-8625D.
- It is waterproof.
- The motor has hardened steel reduction gears in a sealed housing.
- Length: The motor and wheel drive assembly is less than 25-inches long.

ELECTRONICS

- All electronic components are solid state.

ENVIRONMENTAL RATINGS

- IEC 529 IPX7
- ANSI/UL-50 TYPE 6P WATERTIGHT

ELECTRICAL RATING

- 70V DC – 130V DC 2A

NRTL LISTING INTERTEK TESTING SERVICES ETL

- ANSI/ISA 82.02.01 Electrical and Electronic Test, Measuring, Controlling and Related Equipment

Condition of Acceptability

Mainline Transport Vehicle can be operated as a stand alone or connected to a Model 10-1650 camera Assembly provided by R. S. Technical Services, which will be connected, to a R. S. Technical Services approved power supply/control unit.

OPTIONS

- Hand Held Auxiliary Controller with a 14-foot cord
- Various tire designs to meet any inspection requirements