



MIDDLE EAST



The World's Leading
Manufacturer of MFE / MFL
Tank Floor Scanners

MFE MARK IV

MFE Enterprises is pleased to announce the newest model in its renowned Mark Series: the **Mark IV**.

The Mark 4 takes the precision, reliability, and durability of its predecessors to another level with state-of-the-art, user-friendly software and a lightweight build. Its slim design boasts an unprecedented weight of only 65 lb.

The convenience of using the new Mark IV will be outweighed only by the confidence in its reporting features and ability to discover volume loss in real time with its true real-time display.

- **MANUAL AND MAPPING MODES**
- **REAL-TIME DISPLAY**
- **FULLY INTEGRATED, USER-FRIENDLY SOFTWARE**
- **TANK DRAWING**
- **ANALYTICAL & REPORTING FEATURES**
- **ONLY 65 LB / 30 KG**





SOFTWARE

MFE Enterprises, Inc. has designed an MFL software package that allows the operator to quickly and efficiently map the tank floor bottom in record time.

USER-FRIENDLY SOFTWARE: The software guides the operator through an intuitive process that begins with quickly generating a sketch of the tank floor bottom and ends with a comprehensive detailed MFL map of the tank floor bottom.

REAL-TIME DISPLAY: The real-time "A-Scan" display features an LED signal response that runs concurrently with a "C-Scan" mapping preview that clearly illustrates where the defect is relative to the magnetic bridge. This allows defects to be located even faster and drastically eliminates the needs of the scanner to be constantly moving while locating defects.

TANK FLOOR BOTTOM: In less than 10 minutes, the operator can quickly recreate the tank floor plate layout, including annular plates. Detailed information for each plate is not required until the operator is ready to begin the MFL scan.

SPEED TRACKING: Our new speed tracking feature provides the operator immediate feedback so they are confident they are scanning within an optimal speed range, ensuring consistent and accurate results.

SPEED COMPENSATION SOFTWARE Our new speed compensation software allows operators scanning at different speeds to obtain the same results. The signal response is normalized when scanning within the speed tracking range.

SPECIFICATIONS

Scan Width	12 Inches
Maximum Single Scan Length	None
Thickness Range	up to .75"*
Test Through Coatings	Yes, if non-magnetic
Real Time Analysis	Yes, 12 channels
Power Requirements	Hot Swappable Tablet Batteries
Operation Weight	65 lb / 30 kg
Freeze Screen Alarm	Yes
Adjustable Threshold	Yes
Sensitivity	Adjustable

**(.50" to .75" available with High Flux Bridge Upgrade)*





MARK IV TANK FLOOR SCANNER

ONLY 65 LBS!

MANUAL & MAPPING MODES

FULLY ADJUSTABLE HANDLES

FULLY-INTEGRATED SOFTWARE

- REAL-TIME DISPLAY
- TANK DRAWING
- ANALYTICAL & REPORTING FEATURES

HOT SWAPPABLE BATTERIES

ADVANCED MIL-SPEC
BREAKAWAY CABLES



QUICK RELEASE
DETACHABLE HANDLE

MAPPING
ENCODER

INTEGRATED
ELECTRONICS

NEW SLIM, LIGHTWEIGHT DESIGN



MFE PipeScan

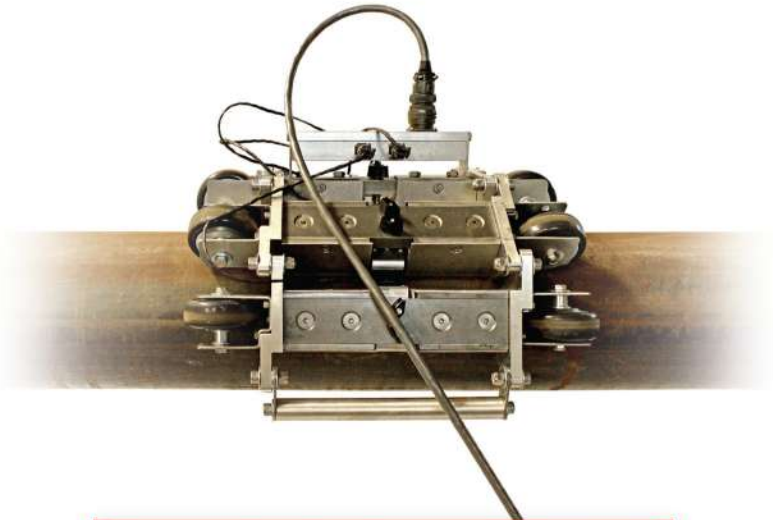
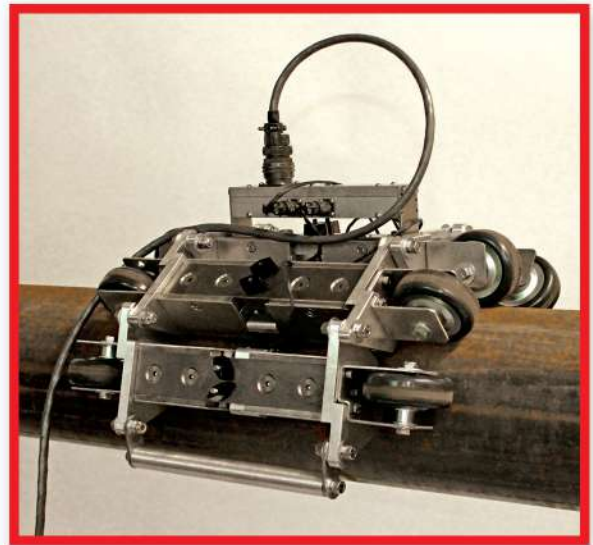
MFE Enterprises, Inc. is proud to announce the release of the new rugged, reliable and easy to use MFE PipeScan. This fully adjustable MFL scanner will scan pipe from 5" and up. A Panasonic ToughBook displays the digital volume loss signals in real time. The MFE PipeScan comes with the option from scanning with 3 to 6 MFL bridges. This will allow a inspection area from 8.25" to 16.5" in a single pass with a scanning speed up to 3 feet per second.

The MFE PipeScan will be able to scan through thin coatings with ease. A built in fully adjustable threshold alarm function insures that no defects will be missed. The MFE PipeScan has everything needed to perform a pipe inspection quickly, efficiently, and accurately.

- **Panasonic ToughBook**
- **Up to 50+ foot signal cable**
- **MFE Electronics Module**

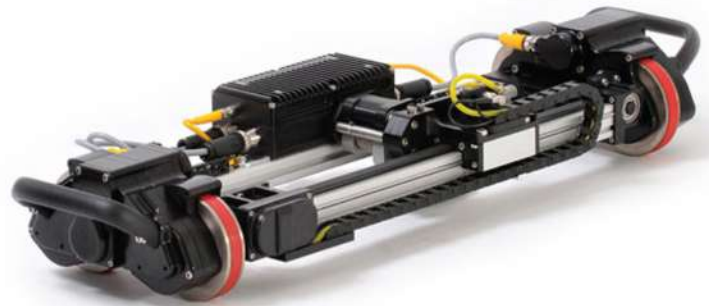
Specification for MFE PipeScan

Weight	60 lbs - 120 lbs (20 lbs per bridge - 3 Link minimum)
Power Requirements	12V Battery
Scanning Area	8.25" to 16.5"
Real Time Display	Yes
Freeze Screen Alarm	Yes
Test Through Coatings	Yes, if non-magnetic
Thickness Range	.50" / 12mm
Speed	3 ft / second
Pipe size	5" and up. No Max



HSR Crawler High-Speed Raster

The **HSR Crawler** is an innovative ultrasonic scanner that addresses the need for an automated raster type unit offering higher performance and durability over an extended range of applications. The scanner traverses large vessels with obstacles that are problematic for most tank crawlers, yet performs corrosion scanning on pipe down to 2" nominal diameter while requiring no probe adjustments over the range.



The scanner offers high maneuverability via steering with the controller's touch-screen interface or optional extended joystick. A spring-detent suspension allows all four of the large diameter magnetic wheels to maintain contact on uneven surfaces. Locking the suspension provides optimal alignment on pipe. A parking function lifts the advanced transducer/coupling shoe assembly for crossing over larger obstacles.



Specification for HSR Crawler

Drive Axis - Speed	11 in/sec (28cm/sec)
Drive Axis - Torque (per drive section)	74 in/lb (8.36 Nm) [x2 for dual drive]
Drive Axis - Encoder resolution (full cycles)	3081.767 cycles/in (121.33 cycles/mm) [1 cycle typ. = 4 pulses]
Scan Axis - Speed	25 in/sec (63.5 cm/sec)
Scan Axis - Actuator force	20 lbf (89N)
Scan Axis - Encoder resolution (full cycles)	1381.648 cycles/in (54.4 cycles/mm)
Scan Arm Lengths	12 in, 24 in (36 in proposed) (30.5, 61cm)
Over-travel	approx 1 in per side (25 mm per side)
Scan Limit Protection	Magnetic limit switches
Automated Position Homing Wheel Diameter	3.625 in (92mm)
Magnetic Pull Force	45 lbf per wheel (202 N) [x4]

HPX Wall Crawler High-Performance X-Type

- Absolutely the fastest method for inspecting remote access areas
- Large suspension travel; the best crawler available for difficult obstructions and surfaces
- Turn-key system includes everything needed for ultrasonic tank corrosion inspection
- Safer alternative for tank wall and roof inspection
- Single and Dual element transducers for variable conditions
- Parts machined from billet 6061 Aluminum and 303 stainless steel
- Highly maneuverable
- Sealed positional encoder for B-scan acquisition
- Strategic weight reduction cavities
- Tough hard coat anodizing
- Highest power density rare earth motors available
- Proprietary direct drive gear set design; no chains, belts, set screws, or clamps to allow slippage
- Completely sealed unit
- Improved spring detent suspension
- Increased power, torque, and adhesion



Specification for HPX Wall Crawler

Scanner size	10" W x 10.5"L x 5"H (254 mm x 267 mm x 127 mm)
Scanner weight	12.5 lb. (5.7kg)
Driver size	10" W x 12.5" D x 4" H excluding handle (254mm x 317mm x 102mm)
Cable length	100 ft (30.5 M)
Cable weight	9 lb. (4 kg)
Scanner speed	30 ft/min (6"/sec or 9.1 M/min)
Magnetic pull	150 lbs on 0.25 steel plate; 12:1 pull / weight ratio for scanner; 7:1 pull / weight ratio for scanner & entire cable
Tractive pull	72 lbs on 0.25 steel plate; 5.75:1 tractive pull / weight ratio
Wheel base	5"
Obstacle clearance	Will crawl over a 1.25" obstacle with incline of < 45°
Suspension conformity	All wheels contact with 2" elevation of one wheel
Joystick control	Remote control, 50' cable
Water system	AC Only (See WS2) or AC/DC Battery (See WS3)
Power Requirements	AC Controller – 110VAC @ 1.35A (150W) (220VAC compatible)
Scanner Operating Voltages	+/- 12VDC drive, 5VDC encoder
Standard Accessories	Optical Encoder w/ line driver interface

B-Scan Buggy

The **B-Scan Buggy** scanner is a well tested and ruggedly designed scanner, made from high impact delrin.

- Rugged Design
- Sealed, Integrated Optical Quadrature Encoder
- Line Driver Outputs for Encoder Signal Integrity
- Isolated Connections on Rear Bulkhead
- High Quality Environmental Connectors
- Replaceable Wear Shoe
- Low Friction Floating Probe Shoe
- Single or Dual Element Probe Configurations
- Friction or Magnetic Wheel Assemblies
- Advanced Couplant Recirculation System (ACR)
 - Minimized Couplant Usage
 - Reduced Bubble Noise
 - Increased Signal Quality
- Sheathed Main Cable Assembly
- Line Receiver Adapter for Instrument Connection
- Adapter Interfaces to Popular Instruments
- Cable Assemblies Up to 100 ft
- Optional Pole Mounting Bracket



Specification for B-Scan Buggy

Dimensions	4.50 x 2.75 x 2.56 in (114 x 70 x 65 mm)
Weight	26 oz, w/ magnetic wheels (738 g)
Wheel Dia	1.50 in (38mm)
Encoder Resolution	76.4 cycles/in / 305.6 states/in
Interfaces to Analyst B-scan software	Data acquisition, Analysis, Reporting

MFE offers a complete line of NDT, RVI, and Environmental Rentals, Sales & Repairs

NDT - Ultrasonic Thickness Gages

Ultrasonic Thickness Gages are designed to improve safety and ensure reliability of material subject to corrosion or erosion.

Corrosion gages with their dual-element transducers are the primary inspection tool used to measure the remaining of components such as oil & gas pipelines, pressure vessels, storage tanks, and numerous other applications.

Precision gages use single-element transducers to provide the thinnest range and highest degree of accuracy possible. Common applications include metals and a variety of non-metals (i.e. glass, ceramic, plastic, etc.).



Available Products

- **Olympus** - 45MG w/D790 Transducer
- **Olympus** - 36DL Plus w/D790 Transducer
- **Olympus** - 37DL Plus w/D790 Transducer
- **Olympus** - 38DL Plus w/D790 Transducer
- **Olympus** - 38DL Plus w/B-Scan & D790 Transducer
- **Dakota** - CMX-DL Plus w/Transducer
- **Cygnus** - Cygnus 1 Intrinsically Safe
- **GE** - DMS 2



NDT - Ultrasonic Flaw Detectors

Our full range of portable ultrasonic flaw detectors provides unmatched capabilities for locating discontinuities and other flaws.

A wide range of software options are available for enhanced flaw detector inspection.

We offer a wide range of measurement features and application-specific options for flaw detection applications that include the location and sizing of hidden cracks, voids, disbands, and similar discontinuities in welds, forgings, turbines, and other structural components.



Available Products

- **Olympus** - EPOCH 4 w/B-Scan
- **Olympus** - EPOCH XT
- **Olympus** - EPOCH XT w/B-Scan
- **Olympus** - EPOCH 600
- **Olympus** - B-Scan Buggy w/10' encoder cable
- **Olympus** - B-Scan Buggy w/50' encoder cable
- **Olympus** - OmniScan MX 16:128
- **Olympus** - OmniScan MX 32:128
- **Olympus** - OmniScan MX2 16:128
- **Olympus** - OmniScan MX2 32:128
- **ZETEC** - TOPAZ 32:128

NDT - Ultrasonic Thickness Gage Calibration Blocks

The Calibration Block is a simple tool that ensures your NDT inspection equipment is operating correctly by providing multiple "steps" for thickness and linearity calibration.

4-Step Block

Thickness and linearity calibration. This 4-Step block comes in thicknesses of .250", .500", .750", and 1.000". Step face measures .750" x .750". In accordance with ASTM E797. Two metric versions available.

5-Step Block

Thickness and linearity calibration. This 5-Step block comes in thicknesses of .100", .200", .300", .400" and .500". Step face measures .750" x .750". In accordance with ASTM E797. Two metric versions available.



Available Products

- 4 Step Calibration Block (stainless steel and carbon steel)
- 5 Step Calibration Block (stainless steel and carbon steel)



NDT - Motorized Ultrasonic Thickness Scanners



The **TriPod** is a remote operated vehicle, used to translate instruments, cameras, or inspection devices along ferrous metal surfaces. Using three rare-earth magnets the crawler can climb vertical, horizontal, and inverted surfaces. The three wheeled computerized drive system allows the Tripod to rotate 360° on its own axis.

Utilizing a unique linkage the Tripod's magnetic drive wheels automatically remain perpendicular to the pipe surface when driving in both the longitudinal and circumferential directions of a tank or pipe. With this linkage system the Tripod can navigate on convex surfaces from 24' O.D. to concave surfaces of 72' I.D. This enables the Tripod to be used for many different applications.

The Jireh Tripod Crawler rents with Transducer, water pump, umbilical and joystick controller.



Jireh Tripod Wall Crawler

Available Products

- **Jireh** - Tripod wall crawler w/D790 Transducer
- **Jireh** - Tripod wall crawler w/ D790 Transducer & EPOCH XT w/B-Scan

NDT - Infrared Cameras



FLIR thermal imaging cameras are must have tools for NDT professionals, electricians and maintenance technicians. They give you the power to see problems in a way no other technology can, and allow you to inspect equipment quickly and take accurate temperature measurements from a safe distance. FLIR cameras help you find impending trouble before it hurts someone, shuts things down or wastes energy.

Thermal Cameras for Electrical Systems & Mechanical Equipment allow you to scan, visualize and analyze temperatures, maximize uptime and reduce potential safety hazards.

Thermal Imaging for Building Diagnostics help you quickly see and find the sources of energy efficiencies, destructive water damage, and structural issues.

Optical Gas Imaging Cameras scan broad and difficult to reach areas displaying leaks as plumes of vapor in the infrared image.

Available Products

- **FLIR** - E30 160 x 120
- **FLIR** - E50 240 x 180
- **FLIR** - GF320

We offer the full line of FLIR thermal imaging cameras and EXTECH Instruments products for sale. Please contact us for current pricing.



FLIR E30 / E50

FLIR GF320

NDT - Hardness Testers

MFE Rentals works with NDT professionals all over the world. Our extensive knowledge in the field has led to this collection of hardness testers from top brands like Proceq and GE.

Hardness Testing is a widely used method for determining hardness of materials using test methods such as Vickers, Brinell, Knoop, Rockwell, Shore and IRHD. Portable hardness testers come in a variety of types with the ability to test most metals, alloys and plastics ranging from soft polymers and rubbers to engineering alloys designed for use in the most arduous conditions or most severe operating environments.

The Equotip metal hardness testers use the dynamic Leeb rebound technique invented by Proceq. Hardness tests according to this Leeb method are particularly quick and easy to perform.

Available Products

- GE - MIC 10
- Proceq - Equotip 2
- Proceq - Equotip 3



Proceq
Equotip 2



Proceq
Equotip 3



NDT - Eddy Current Flaw Detectors

Advanced portable eddy current (EC) flaw detectors inspect metallic parts and perform highly reliable flaw detection of surface and near-surface defects.

Eddy current probes generate magnetic fields that induce current that flows in a test piece influencing the magnetic field, magnitude and phase of voltage in the coil. Applications include the detection of surface or near-surface defects, alloy sorting, and the inspection of bolt holes. It is a noncontact method used to inspect nonferromagnetic tubing.

This technique is suitable for detecting and sizing metal discontinuities such as corrosion, erosion, wear, pitting, baffle cuts, wall loss, and cracks in nonferrous materials.

Available Products

- Olympus - Nortec 500D w/probe weld kit
- Olympus - MultiScan MS5800 ER1U w/Laptop
- Eddyfi - Ectane 2 w/Laptop



Olympus
MultiScan MS5800



Olympus
Nortec 500D



Eddyfi
Ectane 2

NDT - ACFM Flaw Detectors

The LIZARD® M8 system provides a familiar and easy to understand interface packaged within a Windows environment. The same tool allows you to move into AC Field Measurement, LIZARD® EMA (Electromagnetic Array) or FGI (Field Gradient Imaging) modes for more complex inspections at no extra cost. Compliant with EN1711 inspection work and the only system on the market to fully comply with ASTM Standard E2261-07 within a single unit. With a LIZARD® Probe the operator has a choice of continuing in phase plane mode (For small / single array sensors) or switching to LIZARD® AC Field Measurement/EMA/FGI operation where our patented planar array probes can be utilized.

The user friendly and multi-functional LISS software for the LIZARD® system running in a Windows™ environment enables the user to rapidly analyze data from an inspection in real time or post operation.

Available Products

- Lizard - M8 w/Laptop



Lizard
M8

NDT - Positive Material Identification

Positive Material Identification (PMI) Hand Held XRF Analyzers & Mobile Optical Emission Spectrometers.

Positive Material Identification is a well established analytical materials testing and materials identification technique used throughout industrial plant as well as within the metal assembly and component manufacturing industries. It guarantees a material's elemental composition as required for safety compliance and quality control.

Failures at petroleum, petrochemical and power generation facilities can have catastrophic consequences. Positive Material Identification (PMI) programmes allow plant operators and maintenance professionals to test critical process components before and after they are put in service, so they do not merely rely on the suppliers' certificates.



Available Products

- Niton - XL3t
- Niton - XL2t
- Niton - XL3t 980 GOLDD+
- Olympus - INNOV-X Delta Classic
- Olympus - INNOV-X Delta Premium
- Olympus - INNOV-X Delta Pro
- Oxford Instruments - ARC-MET8000
- Oxford Instruments - PMI-MASTER Smart



Niton
XL2t

Olympus
INNOV-X Delta

NDT - Material Testing Equipment



It is easy to measure the ferrite content accurately when using the Fischer FMP30. Upon probe placement on the surface of the specimen, the reading is displayed automatically and stored in the instrument. The probe can also be placed onto hard to reach areas. For such applications, the instrument features an "external start" function to trigger the measurements with the push of a button. This is ideal for measurements in pipes, bore holes or grooves.

Finding weld seams in polished surfaces is made easy through the "continuous display" instrument function. When scanning the surface with the probe with this function enabled, the continuous readings are displayed only. A change in the ferrite content reading indicates that the weld seam has been found.

Available Products

- Fischer - FMP 30 Feritscope
- Fischer - FMP 30 Deltascope



Fischer
FMP 30

NDT - Coating Inspection Equipment



Holiday Detectors are compact and lightweight instruments for detecting pinholes and flaws in insulated coatings on conductive substrates.

Where coatings have to provide an effective safeguard against corrosion, it is essential that any pinholes or flaws that will eventually lead to corrosion are detected at the earliest possible stage, preferably immediately after the coating application. Operation is by the test voltage being applied to the coating by moving a brush electrode across the surface and where there is either a pinhole or flaw, the voltage will spark through the coating, a red indicator will flash and an audible alarm will sound. The detected flaw can be marked for subsequent repair, and testing resumed for the remaining surface area.

Available Products

- PCWI - DC30 High Voltage Holiday Tester w/6", 8" 10" & 36" coils
- Tinker & Razor - AP/W High Voltage Holiday Tester



PCWI
DC30

Tinker & Razor
AP/W

NDT - Magnetic Particle Inspection Equipment



Magnaflux Yoke Kits are designed for reliable, one person magnetic particle inspection of ferrous parts when portability is essential. Because the kits are portable and the yokes fit into tight places, they are ideal for in-plant structures and field work. Magnaflux offers a variety of options, so you can select exactly what you need – a yoke only, or a kit that also includes testing materials and accessories. Whether you choose a Y-6 AC yoke to locate surface cracks or a Y-7 AC/DC yoke to find surface and near-surface defects, you always get unsurpassed Magnaflux quality and reliability.

- Double-jointed legs contour easily to any part shape
- Pull force (60 lbs DC, 10 lbs AC) complies with specifications
- Solid state controls located in housing for maximum safety
- 2-minute ON/OFF duty cycles for fast, efficient inspections

Available Products

- **Magnaflux** - P-70 Portable Power Pack Unit
- **Magnaflux** - Y-1 Yoke
- **Magnaflux** - Y-6 Yoke
- **Magnaflux** - Y-7 Yoke

We offer a full line of Magnaflux products and consumables for sale. Please contact us for current pricing.



Magnaflux
Y-7 Yoke

NDT – Ground Penetrating Radar



The MALÅ GPR CX Concrete Imaging System allows you to perform ground penetrating radar scans of concrete structure simply and safely and present data clearly for real-time and in-the-box 3D data acquisition, display and analysis.

The MALÅ GPR CX System provides accurate inspection of concrete structure such as floors, walls, slabs, bridge deck for the detection of metallic and non metallic objects and features, i.e. rebar, post tension cables, metallic/ non-metallic conduits and pipes, voids, as well as the measurement of slab thickness.

Available Products

- **MALA** - CX-12 Concrete Imaging System



MALA
CX-12

NDT - Ultraviolet Black Lights

One significant feature that separates the ZB-100F from other black lights – it has a built-in, quietoperating DC fan located at the rear of the lamp housing. The advantage of this design feature is obvious – dramatically reduced running temperature. In practical terms, the fan-cooled ZB-100F means more comfort and safety for operators plus longer bulb life.

Because black lights are often hand-held during fluorescent inspections, the heat they create is an important consideration.

The typical running temperature of the ZB-100F is less than 85 degrees Fahrenheit, so it does not significantly raise the ambient temperature around the operator, nor is it a safety concern.

Available Products

- **Magnaflux - ZB-100F**

We offer a full line of Magnaflux products and consumables for sale. Please contact us for current pricing.



**Remote Visual Inspection (RVI)
Equipment Rentals,
Sales & Repairs**

RVI - Industrial Videoscopes / Borescopes Inspection Systems

Our remote visual inspection videoscopes systems are designed to meet the demands of the modern industrial inspection environment. They offer portable and intelligent remote imaging solutions with a host of advanced, yet intuitive features, making them ideal remote visual inspection instruments. A wider range of videoscopes and borescopes with various diameters and viewing options are available.

Industrial Videoscopes

Deliver bright images through high resolution LCD monitor and offer simple operation and outstanding performance including recording functions.

Industrial Borescopes

These rigid instruments use optical lens systems to transmit an image from the inspection area back to the eye and a non-coherent fiber bundle to illuminate the object.

Available Products

- **Olympus** - IPLEX FX 4-Way Articulation - 6mm x 7.5m
- **Olympus** - IPLEX LT 4-Way Articulation – 8.5mm x 10m
- **Olympus** - IPLEX LT 4-Way Articulation – 8.5mm x 3.5m
- **ITI** - V5+ 4-Way Articulation - 6mm x 7.6m
- **Dellon** - G-Series 4-Way Articulation - 6mm x 3m
- **Dellon** - G-Series 4-Way Articulation - 4mm x 3m
- **MFE Rentals** - MFE-Series 3.9mm x 10m; 5.5mm x 5m; 5.5mm x 10m; 8mm x 20m; 5.5mm x 30m
- **MFE Rentals** - MFE-Series 2-Way Articulation - 6mm x 3m



Olympus
IPLEX LT

RVI - Push Camera Inspection Systems

At MFE Rentals, our inventory is developed with the RVI professional in mind. We stock only the best equipment, based on industry demands. Our Push Camera Inspection Systems all come highly recommended and they help users analyze and inspect internal pipe damage and corrosion.

With a variety of applications, inspectors can use the push camera to visually inspect hard to reach areas such as pipelines, waste water lines, ventilation systems, hollow spaces and shafts. They serve the inspection needs of many different industries:

- Process Industries, including food, pharmaceutical and petrochemical, require inspection of pipe for erosion, corrosion, deposits, blockages and weld integrity.
- Power Plants require routine inspection of heat-exchanger tubes and other heat-transfer infrastructure.
- Plumbers need a push camera that can pass through multiple bends in drain pipe, yet which has the rigidity for long-distance pushes.
- Electrical and HVAC Technicians need a portable tool to inspect electrical conduit and duct work on the fly.
- Transportation Industries inspect hard-to-reach areas of airframes, ship hulls and cargo containers using field-deployable tools that capture critical information with minimal setup.

Available Products

- **MFE Rentals** - PipeMaster 200'
- **insightVision** - VuTek 400'
- **insightVision** - VuTek 200'
- **Pearpoint** - P330 200'
- **Rycom** – 8873 Pathfinder 512hz Locator (used with PipeMaster, VuTek or P330)
- **Pearpoint** - P374 IS 200'
- **Wohler** - VIS2000 w/Pan & Tilt Camera Head 100'
- **Wohler** - VIS400 w/Pan & Tilt Camera Head 100'
- **Wohler** - VIS240 100'
- **Wohler** - VIS340 w/Pan & Tilt Camera Head 100'
- **Wohler** - VIS250 100'
- **Wohler** - VIS350 w/Pan & Tilt Camera Head 100'
- **Wohler** - L200 Locator (used with VIS350, VIS 250 or VIS400)



ITI
V5+



MFE Rentals
MFE-Series



Deillon
G-Series



Pearpoint
P374



insightVision
VuTek

MFE Rentals
PipeMaster

Wohler
VIS400



Wohler
VIS350

RVI - Tank Inspection Systems

The Spectrum 90 with pan, tilt and zoom is one of the most popular Inuktun cameras on the market. With a 40x zoom, 1/4in CCD color camera, the SP90 provides 460+ TV lines of resolution at 1.5lux sensitivity. At a diameter of only 3.5in / 90mm, the Spectrum 90 can go almost anywhere you need to see.



The Spectrum 150 pan, tilt and zoom camera carries unique features designed with end users in mind. The 360 tilt reduces the need of repositioning the camera. Plus with its 432x zoom, you can see further than is possible with most of the other cameras on the market. The Spectrum 150 makes inspection easier and quicker.

Available Products

- Inuktun - Spectrun 150 w/Pan, Tilt & Zoom Camera Head 100'
- Inuktun - Spectrun 90 w/Pan, Tilt & Zoom Camera Head 100'
- MFE Rentals - Tank Master w/Pan, Tilt & Zoom Camera Head 100'

MFE Rentals
Tank Master



Inuktun
Spectrum 150



RVI Equipment Repairs



Environmental Equipment Rentals & Sales

ENV - Noise Monitoring Equipment

The CEL-350IS is the easiest and most reliable noise dosimeter on the market. Its small size and light weight give it instant worker acceptance and there is no cable to snag, break or come unplugged. The CEL350IS displays detailed test results as the unit is running, and captures all the necessary combinations of exchange rate, threshold and criterion level needed to comply with Federal, State or local requirements - with no user setup required!

Noise measurements from complex sources require a complete knowledge of the variable noise climate over an extended period of time. The CEL-633 model is designed to satisfy this need by providing overall, periodic and profile time history recording to suit almost any industrial or environmental measurement requirement.

Available Products

- Casella - CEL-633 A1 Kit Sound Level Meter - Type 1
- Casella - CEL-350IS Micro Noise Dosimeter



ENV - Flow Meters

The **Bios Defender 510 Flow Meter** lets users easily calibrate air sampling pumps. Users can take continuous or timed interval hands-free readings while accurately setting instrument flow rates, including volumetric and standardized flow. Complete calibrations within a minute without the need for soapy bubble solutions to clean up. Measurements are automatically compensated by the integrated temperature and pressure transducers. The Bios Defender 510 Flow Meter is lightweight and compact, incorporating the industry leading DryCal technology.

- Housed in a molded case with rubber handgrips for a better feel and a sleeker, more contemporary look
- Large illuminated flow cell viewing window
- Navigation menu and a large, illuminated graphical display with zoom feature
- Rated for extreme cold operation, down to -20 °C
- RoHS (Restriction of Hazardous Substances) compliant for Europe
- Automatic Shutoff

Available Products

- **Bios** - Drycal Defender 510 calibrator 25 LPM

Bios
Drycal Defender 510



ENV - Indoor/Outdoor Toxic Air Monitoring Equipment

Due to the enactment of the Environmental Protection Agency's ambient air monitoring program and similar programs around the world, ambient air monitoring equipment is widely used to monitor the emission of six pollutants: particulate matter, sulfur dioxide, carbon monoxide, nitrogen dioxide, ozone, and lead. Ambient air monitoring equipment allows state and federal field technicians to ensure compliance with ambient air quality standards, which were established to monitor the aforementioned pollutants that are considered harmful to public health and the environment.

To aid in compliance, MFE Rentals offers a comprehensive selection of ambient air monitoring instruments including PID (Photo Ionization Detector), and FID (Flame Ionization Detector), 4-Gas basic Meters, Benzene Monitors and 5 Gas Meters with PID, PPB (Parts Per Billion).



Rae Systems
MiniRAE 3000

Available Products

- **RAE Systems** - MiniRAE 3000 PID
- **RAE Systems** - QRAE 4-Gas Monitor w/02, CO, H2S & LEL
- **RAE Systems** - MultiRAE Lite (4-Gas) Monitor w/02, CO, H2S & LEL
- **RAE Systems** - MultiRAE PLUS (5-Gas) Monitor w/PID, 02, CO, H2S & LEL
- **RAE Systems** - PPB RAE
- **RAE Systems** - UltraRAE Benzene Monitor
- **Photovac** - Microfid II FID
- **Thermo Fisher** - TVA 1000B Toxic Vapor Analyzer FID/PID
- **Dielectric** - MGD2002 Helium Detector
- **Xitech** - 1060H Bag Sampler

Photovac
Microfid II

