JME ADVANCED INSPECTION SYSTEMS

PIPELINE CRAWLER X-RAY SYSTEMS

JME Pipeline Crawlers are constructed using high grade materials to provide superior corrosion resistance, easy maintenance and an extended service life. Electronic circuits utilise microprocessor control allowing future software updates to be applied. They are constructed using military specification components to ensure reliability in harsh environments.

Our systems are unique within the industry, supporting X-Ray tubes from various manufacturers including ICM, Yxlon/Comet, GE, CXT and Balteau. JME also offer GAMMA projector integration onto the Midi (10”-48”) pipeline crawler. We are pleased to be able to offer both the SENTINEL DELTA 880 and Oserix Dual 120 Gamma options to this device, making JME’s range the most versatile pipeline crawler systems in the world*.

JME Crawlers utilise a magnetic control, Non-Isotope system, which is designed to replace the conventional isotope control system. There are no trailing leads and all commands are executed from outside the pipeline via magnetic transmitter (Magnetope). The units can be commanded to travel, stop and radiograph as required.

The position and direction can be monitored by mounting a low activity tracker isotope onto the crawler, or by using the non-isotope tracking system. The non-isotope tracking system is designed to comply with increasing restrictions for the transportation and use of low level isotopes.

Over the past 30 years, JME has built its reputation on innovation, quality, service, and commitment to our clients. As a company, JME thrives on customer satisfaction, which is why many of our customers have been using our services for nearly 30 years.

* For full compatibility list of X-Ray tube/Crawler configurations, please enquire.
### TECHNICAL SPECIFICATIONS

#### MINI 6”-18” X-RAY CRAWLER
- **Pipeline diameter range**: 6 to 18” (15.24 to 40.64cm)
- **Weight**: 61.73lbs (30kg)
- **Length**: 4.43ft (1510mm)
- **X-ray tube output ratings**: 180kV, 180kV CP & 200kV CP
- **Optimum tube current**: 2 to 3mA
- **Power source**: Sealed lead acid batteries (48V)
- **Battery capacity**: 7Ah
- **Motor rating**: 200W
- **Travel speed**: up to 7.87”/sec (0.2m/sec)
- **Maximum angle of climb**: 45% (27°)

#### MIDI 10”-48” X-RAY CRAWLER
- **Pipeline diameter range**: 10 to 48” (25.40 to 121.92cm)
- **Weight**: 233.69lbs (112kg)
- **Length**: 5.48ft (1930mm)
- **X-ray tube output ratings**: 160kV, 200kV, 200kV CP, 250kV, 300kV
- **Optimum tube current**: 2 to 3mA
- **Power source**: Sealed lead acid batteries (120V)
- **Battery capacity**: 15Ah
- **Motor rating**: 185W continuous (0.25HP)
- **Travel speed**: up to 11.81”/sec (0.3m/sec)
- **Maximum angle of climb**: 45% (27°)

#### MAXI 24”-72” X-RAY CRAWLER
- **Pipeline diameter range**: 24 to 72” (60.96 to 182.88cm)
- **Weight**: 330.69lbs (175kg)
- **Length**: 3.62ft (1420mm)
- **X-ray tube output ratings**: 160kV, 200kV, 200kV CP, 300kV
- **Optimum tube current**: 2 to 3mA
- **Power source**: Sealed lead acid batteries (120V)
- **Battery capacity**: 25Ah
- **Motor rating**: 2 x 185W continuous (2 x 0.25HP)
- **Travel speed**: up to 11.81”/sec (0.3m/sec)
- **Maximum angle of climb**: 45% (27°)

#### MIDI 12”-48” GAMMA CRAWLER
- **Pipeline diameter range**: 12 to 48” (30.48 to 121.92cm)
- **Weight**: 233.69lbs (112kg)
- **Length**: 5.48ft (1930mm)
- **Gamma Source**: 120 Ci Iridium 192
- **Power source**: Sealed lead acid batteries (120V)
- **Battery capacity**: 15Ah
- **Motor rating**: 185W continuous (0.25HP)
- **Travel speed**: up to 11.81”/sec (0.3m/sec)
- **Maximum angle of climb**: 45% (27°)

### NON ISOTOPE CONTROL SYSTEM
- Suitable for wall thickness up to 40mm
- +/- 5mm Accurate positioning and motion control
- Rechargeable

### NON ISOTOPE TRACKING SYSTEM
- Eliminates need for tracker isotope
- Improved transportation safety
- Improved crawler handling safety

### 12”-48” GAMMA PROJECTOR OPTIONS
- SENTINEL™ Delta 880
- Oserix Dual 120

### SALES AND MANUFACTURING
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All goods and services are sold subject to the terms and conditions of JME. A copy of these terms and conditions is available upon request. All brand names and product names where used are acknowledged to be trademarks of their respective holders.

**NOTE:** All dimensions/weights exclude X-Ray Generators/Gamma Projectors.