

Crawler Camera System Market Size, Share & Trends Analysis Report By Application (Drain Inspection, Pipeline Inspection, Tank, Void, & Conduit/Cavity Inspection), By End User, By Region, And Segment Forecasts, 2020 - 2027

<https://marketpublishers.com/r/C58C08C96F37EN.html>

Date: May 2020

Pages: 80

Price: US\$ 3,950.00 (Single User License)

ID: C58C08C96F37EN

Abstracts

Crawler Camera System Market Growth & Trends

The global crawler camera system market size is anticipated to reach USD 309.2 million by 2027, according to a new report by Grand View Research, Inc., expanding at a CAGR of 8.3% over the forecast period. Increasing demand for technology to perform video inspections of large municipal and commercial sewer main lines and service lines is likely to escalate the growth of market in coming years.

Crawler camera system is compact and portable and can be remotely controlled. The operator remains in mobile control station above ground while camera crawls into pipeline or into canal as directed by operator. With technological advancement in video and recording, inspecting drainage or pipelines with crawler camera has become easier and more accessible. It provides the convenience desired by end users by offering real-time footage of drainage or pipelines.

This system helps to identify the blockages and drainage issues, which can potentially cause extensive damage if they are not repaired in a timely manner. They are beneficial for municipal, industrial, residential, and commercial end users to analyze the pipelines, drainage or other area and take preventive measures in order to avoid any damage. Such factors are likely to drive demand for these systems over the forecast period.

Inspection conducted through crawler camera system is relatively quick and the tubes

remain intact throughout the process, making it a non-destructive testing method. As this system is compact, portable, and controlled remotely, the required manpower is reduced, making it an economical inspection process. It is likely to fuel the growth of market in coming years.

The pipeline inspection application segment is expected to be at the forefront by accounting for more than 2/5th share of the overall revenue over the forecast period. Crawler camera is a compact, portable, and convenient system to inspect pipes to look for areas of concern and mark out problem areas. Many end users use this system to maintain proper function of pipeline and avoid blockage, deterioration, and structure collapse, which always pose potential risk. Thus, crawler camera is a suitable option for remotely surveying pipe lines and taking preventive measures in case of any area of concern.

North America will continue to enjoy its leading position in the market during the forecast period. Continuous expansion of industrial and municipal area, along with growing need for periodic inspection of pipe and drainage lines to ensure environmental protection, is likely to drive demand for crawler cameras. Increasing number of pipeline accidents in the region and growing concerns to avoid such damages with periodic inspection are expected to ensure positive outlook for the regional market in coming years.

As per the incident reported by the Pipeline and Hazardous Materials Safety Administration (PHMSA) and the National Transportation Safety Board (NTSB), in November 2019, a newly installed gas pipeline exploded and burned in Pepper Pike, Ohio, U.S. As per the preliminary investigation undergone by the Public Utilities Commission of Ohio, U.S., the welding failure caused the rupture, which led to the explosion.

Crawler Camera System Market Report Highlights

By application, pipeline inspection is projected to expand at the fastest CAGR over the forecast period owing to growing area of concern in large pipelines, such as contamination from toxic gasses or hazardous waste, which possibly leads to hazardous accidents

The municipal end-user segment is projected to witness the fastest growth over the forecast period due to increasing usage of crawler camera in municipal sewer lines to maintain its proper function with periodic cleaning schedule.

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