

Snake Robots -- Markets Reach \$8.5 Billion By 2017

LEXINGTON, Massachusetts (March 3, 2011) – WinterGreen Research announces that it has a new study on Snake Robots: Market Shares and Forecasts, Worldwide, 2011-2017. The study has 216 pages and 112 tables and figures.

A confined space needs snake shapes to achieve access. Confined spaces exist by design (aircraft engine), by failure (collapsed building) or naturally (human body). Snake-arm robots are self-contained portable devices and extensions to existing systems. These products build on software and hardware technology.

Confined spaces exist. A confined space exists because of a lack of ability to take apart or dismantle components. Confined spaces exist in nuclear reactors, aircraft, the human body, industrial processing plant, underwater environments, ship-building, space. Buildings, roads, pipelines and other man-made spaces all have confined spaces. The world is full of awkward confined spaces.

Snake robots are robotic arms used in industrial applications, but the arms are more versatile and move independently because of the jointed structure. Snake robots have a variety of applications. They are implemented as industrial arm robots, surgical minimally invasive devices, and for the military provide unique reconnaissance opportunities. The snake robots are the ultimate in an all-terrain units, they can go anywhere, even under doors and over mountains, in a way that no wheeled vehicle can maneuver.

According to Susan Eustis, lead author of the study, “Snake robots have a variety of applications. They are implemented as industrial arm robots, surgical minimally invasive devices, and for the military provide unique reconnaissance opportunities.”

Snake robot markets are set to grow at a rapid pace. Markets at \$46 million are anticipated to reach \$8.5 billion by 2017. The reasons for strong growth are that the technology is proven, there are 100 successful reference accounts in a variety of industries, and the technology is useful.



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WinterGreen Research is an independent research organization funded by the sale of market research studies all over the world and by the implementation of ROI models that are used to calculate the total cost of ownership of equipment, services, and software. The company has 35 distributors worldwide, including Global Information Info Shop and Thompson Financial.

Keywords: Robot Snakes, Modsnake Robots, Snake Robots , Snake Robots Locomote, Next Generation Snake Robotics, Snake-Arm, Jointed Robot, Robot Snakes , Climb Pipes, Robots for Heart Surgery, Minimally Invasive Surgery, Endoscopic Surgical System, Inaccessible Spaces, Snake-Arm, Robotic Snake-Arm, Climbing Robot, Climbing Snake Robot, Firefighting Snakebot, Confined Spaces, Snake Shapes, Terrain Robot, Industrial Arm Robots, Surgical Minimally Invasive Devices, Snake Arm Actuator Pack, Robotics Confined Space Piece Manipulation, Robotics PipeSnake, wintergreenresearch.com, <http://wintergreenresearch.com/reports/SnakeRobots.htm>

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-Page 2-

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