Spinal Surgical Robots - By Type (Laminectomy, Spinal Fusion, Foraminotomy, Discectomy, Disc Replacement); By Surgery (Open Surgery, Minimal Invasive); By Approach (Anterior, Posterior, Lateral, Others); & By Geography - Forecast (2016-2021)

Description:
Spinal surgical robot is the development of robots for spinal surgery, which is a demanding medical field for which robots already provide valuable assistance. Spinal surgery requires a very high level of precision, as it has considerable risks due to the critical structures that surround the spinal column: blood vessels are found close to the vertebrae and nerves connected to the whole human body are rooted to the spinal canal. Damage to any of these structures can produce considerable side-effects, ranging from pain to paralysis. These higher-than-normal requirements make robots ideal candidates for surgical assistants, as they can achieve superior levels of precision, are not affected by fatigue and can perform repetitive tasks without decreasing their performance.

The adaption of robotic technology to the spinal surgery is to have significant growth due to the high precision offered by the robots. This technology improves outcomes, shorten surgical times and enhance healing in spinal surgery patients. Aging of population and advance in technology are the key drivers for spinal surgical robots market. Spinal robotic surgery is still at an early stage of development but with great potential for improvement.

The global market for spinal surgical robots was estimated to be $XX billion in 2015. The global market for spinal surgical robots is estimated to grow at a CAGR of XX% and is forecast to reach $XX billion by 2021. The spinal surgical robots are forecast to have the highest growth of XX% during the forecast period 2016-2021. Americas and Europe together are estimated to occupy a share of more than XX% in 2015.

Americas is the leading market for spinal surgical Robots followed by Europe. APAC region is forecast to have highest growth in the next few years due to the Japan's aging population, the growth in spinal surgical market in china and the growing India's economy followed by Americas and Europe. Americas accounts to XX% of the global market for spinal surgical robots. This market is dominated by players such as CTL Medical Corporation (U.S.), Alliance Spine (U.S.), Alphatec Spine (U.S.), Apollo Spine (India) and Ascendx Spine (U.S.).

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