FutureBridge

NANOSCALE DEVICES

The Way Forward For Surgical Applications

Demand for Nanoscale Devices



Nanoscale Innovations for Potential Surgical Transformation



High Impact: Ability to completely replace the existing technology

Medium Impact: Can replace the existing technology partially

Low Impact: Cannot completely replace the existing technology

Nanorobotics: Robotsprogrammed to carryout certain surgical functions

Intraoperative Imaging & Sensing:

Device integrated with imaging and sensing capabilities for surgical procedures

Nanoscale Drug Delivery Systems:

Nano vesicular systems enclosed with drugs within it injected into body cavity during surgical procedures

Biohybrid Nanosystems: Combination of synthetic

nanomaterials with biological elements to develop surgical devices

Nanomaterials: Nanomaterials added in surgical instruments to increase their strength and flexibility

Nanocoated Devices & Implants:

Nanoparticulate coating on surgical blades, needles, implants, etc. for improved functional characteristics

Nanorobotics – Examples of Surgical Applications



Future Potential of Nanoscale Devices



About FutureBridge

FutureBridge is a techno-commercial consulting and advisory company. We track and advise on the future of industries from a 1-to-25-year perspective to keep you ahead of the technology curve, propel your growth, Identify new opportunities, markets and business models, answer your unknowns, and facilitate best-fit solutions and partnerships using our platforms, programs, and access to global ecosystems and players.