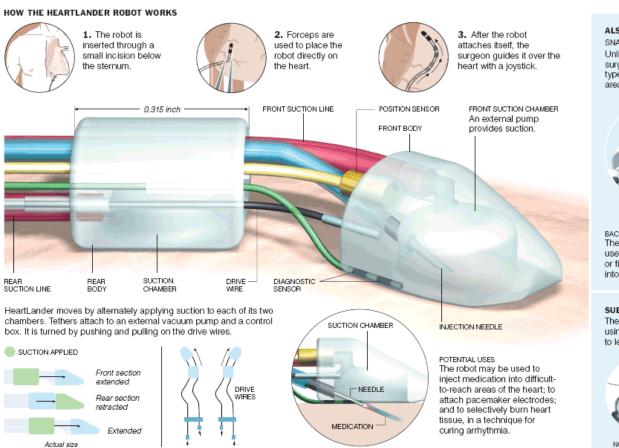
## SCIENCE ILLUSTRATED | Frank O'Connell

## Robots With Moves More Delicate Than a Surgeon's

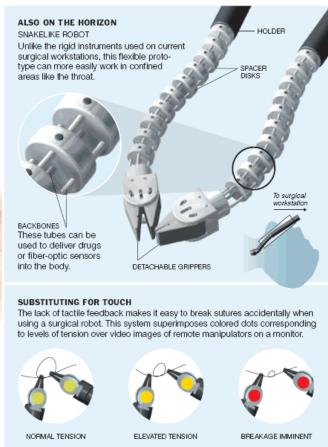
Robots may one day be routinely used for surgery. The HeartLander prototype below uses suction to adhere to a beating heart. Moving like an

inchworm, it can reach areas that now require doctors to deflate a patient's lungs. Other researchers are working on flexible, snakelike robots to

operate in the throat, and on another system that provides visual rather than tactile feedback for surgical workstations.



Sources: Robotics Institute, Carnegie Mellon University; University of Pittsburgh; Engineering Research Center, Johns Hopkins University; Advanced Robotics and Mechanism Applications, Columbia University



The New York Times By Frank O'Connell