Products

Cardica designs and manufactures proprietary stapling devices for surgical procedures. Cardica’s stapling technology is designed to minimize operating time and to enable minimally-invasive and robot-assisted surgeries. The company manufactures its automated anastomosis systems, the C-Port® Distal Anastomosis Systems and PAS-Port® Proximal Anastomosis System, for coronary artery bypass graft (CABG) surgery and has shipped over 25,000 units throughout the world. In addition, Cardica is developing the Cardica Microcutter, a true multi-fire endoscopic stapling device designed to be used in a variety of procedures, including bariatric, thoracic and general surgery.

By replacing the hand-sewn sutures with an easy-to-use, highly reliable and reproducible automated system, our C-Port® and PAS-Port® systems are designed to improve the quality and consistency of the anastomoses, decrease the time required for completing the anastomoses, contribute to improved patient outcomes, and facilitate minimally-invasive, sternum sparing CABG surgery. Our products address the needs of surgeons in the following ways:

- Minimize trauma to both the graft and target vessel;

- Avoid interrupting blood flow in the coronary artery or clamping the aorta, which can lead to complications, such as stroke;

- Reduce time required for anastomosis;

- Produce consistent, reproducible anastomoses, largely independent of surgical technique and skill set;

- Allow mechanically governed repeatability and reduced procedural complexity;

- Expedite the CABG and other anastomotic procedures, potentially contributing to reduced operating room time and associated expenses;

- Decrease complications;

- Eliminate "purse string" effect often caused by hand-sewn sutures; and

- Create compliant anastomoses, which potentially allow the shape and size of the anastomosis to adapt to changes in blood flow and pressure.

Cardica is committed to providing healthcare professionals with safe and reliable products that will enable them to provide the best care possible for their patients.

This will be accomplished by establishing and maintaining an effective quality management system, which ensures regulatory requirements and our customers' needs for products and services are understood and met.