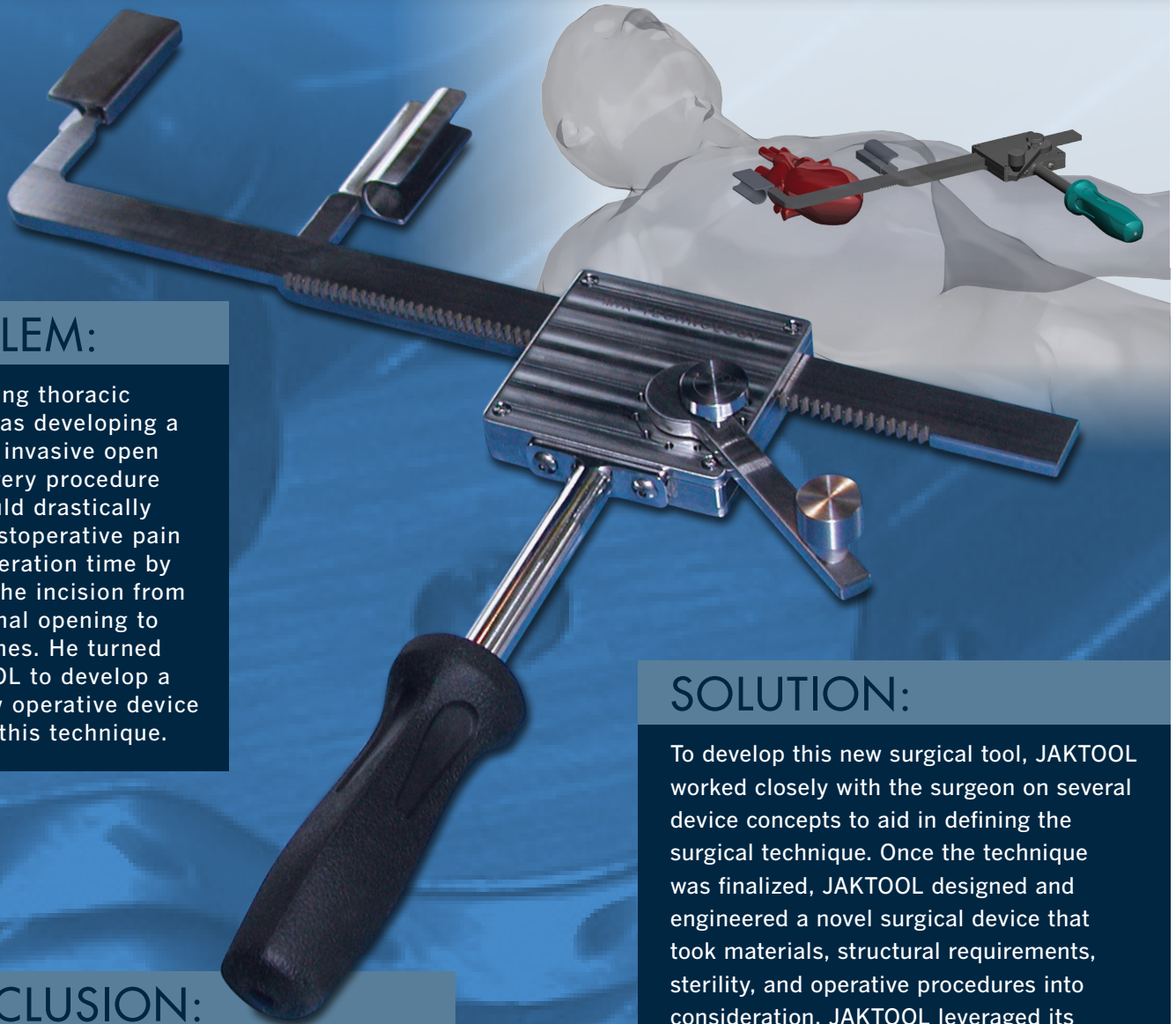




MINIMALLY INVASIVE RETRACTOR



PROBLEM:

A pioneering thoracic surgeon was developing a minimally invasive open heart surgery procedure which would drastically reduce postoperative pain and recuperation time by reducing the incision from a full sternal opening to 3 to 4 inches. He turned to JAKTOOL to develop a brand-new operative device to enable this technique.

CONCLUSION:

JAKTOOL empowered a leading surgeon with the tools and techniques needed to improve patients' lives by reducing operative complications and recovery times. As a leading research and development partner, JAKTOOL is uniquely suited to rapidly develop and refine highly specialized tools and techniques for the most demanding applications and regulatory environments.

SOLUTION:

To develop this new surgical tool, JAKTOOL worked closely with the surgeon on several device concepts to aid in defining the surgical technique. Once the technique was finalized, JAKTOOL designed and engineered a novel surgical device that took materials, structural requirements, sterility, and operative procedures into consideration. JAKTOOL leveraged its in-house prototyping capability, and medical device manufacturing experience throughout the iterative R&D process to deliver a device that's currently being used in clinical settings with resounding success.