



## Cardiac Surgery Specialists

### Instructions for Use *Atrial Lift System – Table Mount* *Catalog Number 400-520* Non-Sterile

#### PRODUCT DESCRIPTION

The Atrial Lift System 400-520 is reusable system comprised of a Table Mount Instrument Holder, two Blade Handles (140mm and 200mm lengths) and six Atrial Lift Blades (width and length dimensions of 35 x 40mm, 35 x 50mm, 35 x 60mm, 40 x 50 mm, 40 x 60mm and 40 x 70mm). Blade introduction forceps are included to introduce the atrial lift blade into the surgical incision. The Atrial Lift System is used to lift the atrial wall to provide surgical access to heart structures for surgical procedures using thoracotomy access.

#### CLEANING

Disassemble and scrub the instruments and parts thoroughly using a soft brush and mild detergent (i.e. Manu-Klenz, manufactured by *Steris Corporation*). Remove all traces of blood and debris. Make sure all moving parts are cleaned thoroughly to prevent debris from interfering with movement. It is recommended that the instruments and parts be ultrasonically cleaned.

It is extremely important that moveable parts be properly lubricated to keep these parts functional. It is recommended that all components be immersed in a water-soluble lubricant (i.e. Metri-Clean, manufactured by *Metrex*).

#### STERILIZATION

The instruments may be steam or gas sterilized before use and after each cleaning. Refer to the sterilizer manufacturer's instructions for correct time, temperature and pressure settings.

#### USE OF DEVICE

1. Make appropriate surgical incision to gain access for atrial incision.
2. Once atrial incision is made for surgical repair, determine the size of the atrial lift blade required and place lifter blade in jaws of the introducer forceps. See Figure 1.
3. Determine appropriate location for entry of blade handle shaft through chest wall.
4. Make small puncture incision in chest wall.
5. Mount table mount instrument holder on operating room table (see enclosed table mount instrument holder instructions).
6. Place shaft of blade handle with threads through securing mechanism of Table mount instrument holder and pass shaft of handle through incision in chest wall (see enclosed table mount instrument holder instructions).
7. Using introducer forceps to position lifter blade inside chest cavity so that the male threads of the handle shaft can be threaded into the female threaded receptacle in the lift blade. Thread the shaft into the blade by turning clockwise.
8. Position the lift blade in the atrial incision; once the proper position is achieved tighten the adjustment knobs on the table mount instrument holder (see enclosed table mount instrument holder instructions).

- To remove lifter loosen the adjustment knobs on the table mount instrument holder. Grasp lift blade with introducer forceps and remove handle by rotating handle counter-clockwise until shaft is disengaged from blade. Remove blade from chest cavity and withdraw handle shaft from incision (See table mount instrument holder instructions).

## WARNINGS

**Carefully choose the location of the puncture incision for introduction of the handle shaft and introduce the shaft carefully avoiding vital physiologic structures.**

**Use care to avoid tissue damage when introducing and lifting with atrial lift blade.**

## WARRANTY

ESTECH warrants that the instruments are free from defects in both materials and workmanship. Suitability for use of the instruments for any surgical procedure shall be determined by the user. ESTECH shall not be liable for incidental or consequential damages of any kind. The above warranties are in lieu of all other warranties either expressed or implied including any warranty of any merchantability or fitness for use.

## SERVICE OR REPAIR /TECHNICAL INFORMATION

Contact information for service or repair or to request technical information:

### ESTECH, Inc.

2603 Camino Ramon, Suite 100

San Ramon, CA 94583 USA

Phone: 925-866-7111

Fax: 925-866-7117

Email: [info@estechlics.com](mailto:info@estechlics.com)

### Authorized Representative:

### Medical Partners BV

Groenendijk 39, Lage Zwaluwe

4926 RE Netherlands

Phone: +31.168.48 37 32

Fax: +31.168.48 47 90

