



# Senhance®

## Senhance® Surgical System with Digital Laparoscopy

A New Era in Minimally Invasive Surgery



### Improving the Surgical Experience in Ways That Matter

- Preserve and enhance **laparoscopy skills**
- Senhance **Microlaparoscopy** - the only 3 mm instruments on a robotic platform
- Enables **robotic precision and control**
- Ability to **pause** instrument movement and reposition to a more comfortable position
- Security of **haptic** sensing
- Seated, comfortable **ergonomics**
- Eye-tracking **camera control**
- Senhance® Ultrasonic **Advanced Energy** for fast and precise tissue dissection and vessel sealing
- **Reusable** instrumentation
- **Responsible economics** maintains per-procedure costs similar to laparoscopy

# Advancing Minimally Invasive Surgery



## Comfortable Ergonomics

- Surgeon seated at cockpit
- Clutch to pause, and easily reposition hands
- Open cockpit for ease of patient-side communication with team

## Eye-Tracking Camera Control

- With their eye movement, surgeons control the field of view
- 3DHD or HD fluorescence vision
- Simultaneously move multiple instruments and camera



## Security of Haptic Sensing

- Ability to use digital fulcrum point to minimize torque at incision site
- Alerts surgeon of excessive forces
- Detect forces on instruments outside field of view

## Responsible Economics

- Portfolio of reusable instruments
- 3 mm, 5 mm and 10 mm reusable instruments portfolio
- Maintain per-procedure costs similar to laparoscopy

The Senhance® Surgical System is CE marked according to the MDD and is intended to be used on adults and pediatric patients (BMI of up to 40 and weight equal to or above 10 kg) in laparoscopic surgery in the abdomen, pelvis and limited uses in the thoracic cavity excluding the heart and greater vessels. The device is restricted to sale by or on the order of a physician.

Senhance Ultrasonic is not approved for pediatric use.

TransEnterix Italia S.R.L. is the legal manufacturer for CE purposes.

Eye trackers supplied by Tobii.

Senhance was developed under a license of the European Commission Joint Research Centre.

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TransEnterix®

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