

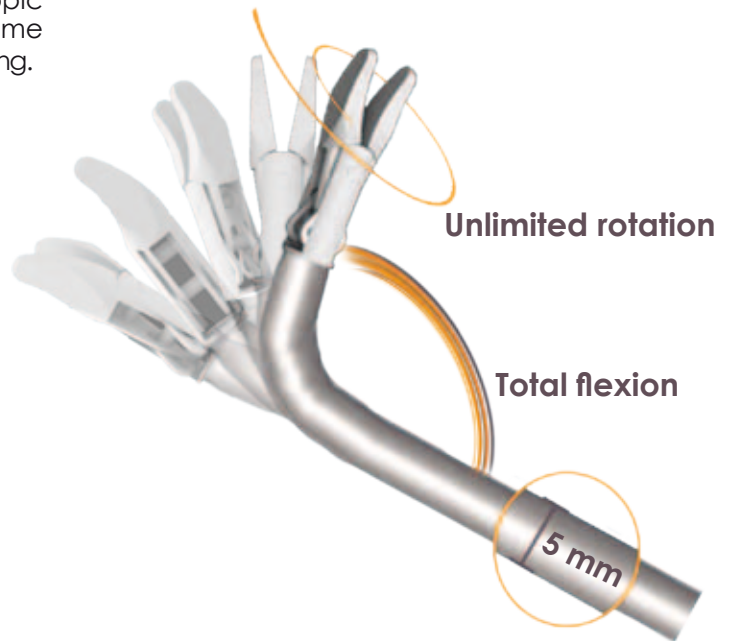
Laparoscopic suturing and knot tying in minimal access surgery is an advanced skill. Mastering this skill is a difficult process, especially when the angle between the needle holder and suture line is unparallel and triangulation is limited. Conventional needle holders just allow for limited movements within the operating field while **jaimy** offers fully articulating tip for easy maneuverability and unparallel access.

Motorized Articulated Needle Holder

jaimy is the first **5 mm** motorized articulating laparoscopic needle holder, designed to enable surgeons to overcome the unique challenges presented by laparoscopic suturing.

Surgical benefits

- ✓ Provides **intelligent dexterity** with seven degrees of freedom for easier access, increased triangulation and improved ergonomics in even the most challenging cases.
- ✓ **Total flexion** and **unlimited rotation** of the end effector at any bending angle for unparallel suture needle manipulation and easy suturing in any plane.
- ✓ **Controlled** needle guidance in endoscopic suturing for easier anastomosis.
- ✓ **Increased triangulation** for improved knot tying capabilities between working instruments.

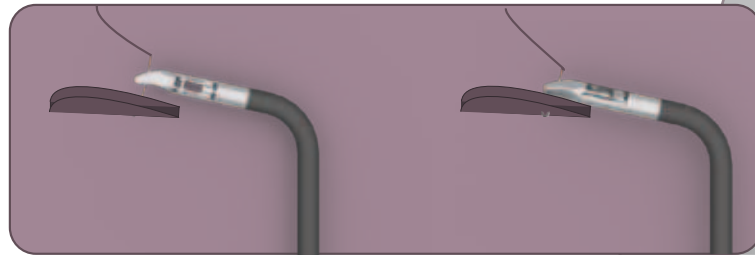


Suturing and knot tying with jaimy

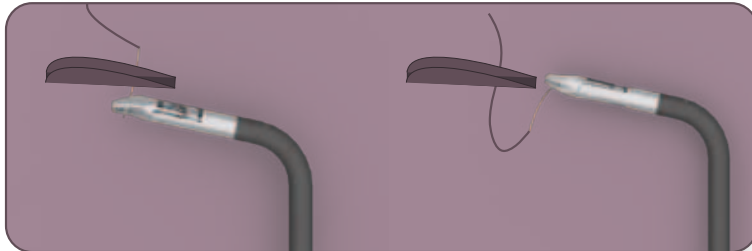
1. Bend to align tip to suture line and rotate to adjust needle positioning



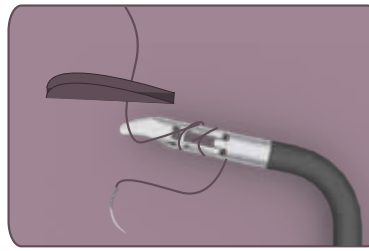
2. Rotate to drive needle through tissue



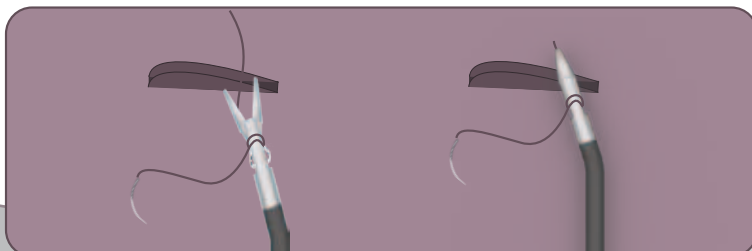
3. Rotate to pull needle out of tissue



4. Use bending angle to wrap suture



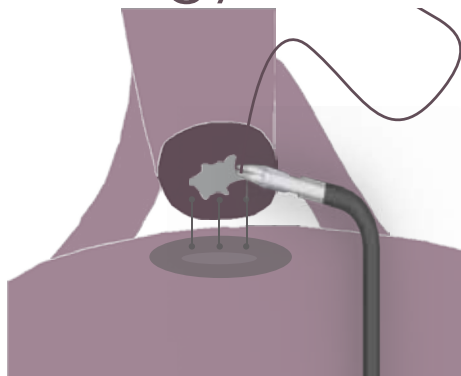
5. Unbend and rotate to grasp suture tail and tie



Clinical applications

jaimy benefits a wide variety of **surgical procedures** in different clinical specialities, including urology, bariatric surgery, general surgery, gynecology and cardiothoracic surgery.

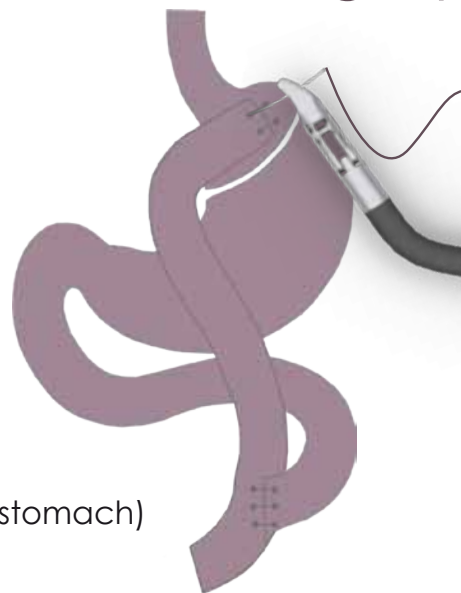
Urology



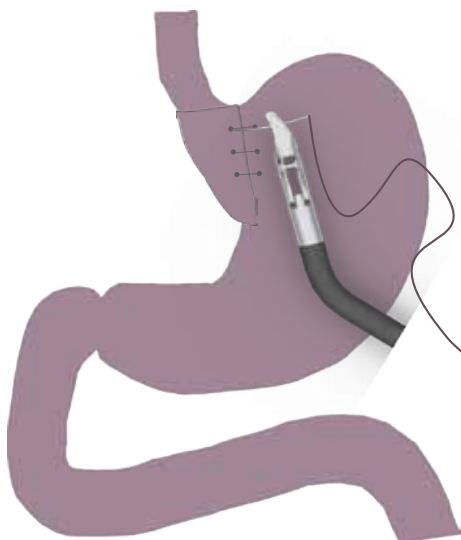
- Radical prostatectomy (urethrovesical anastomosis)
- Partial nephrectomy
- Pyeloplasty

- Gastric bypass (gastro-jejunal anastomosis)
- Gastric banding (fixation of the gastric band)

Bariatric surgery

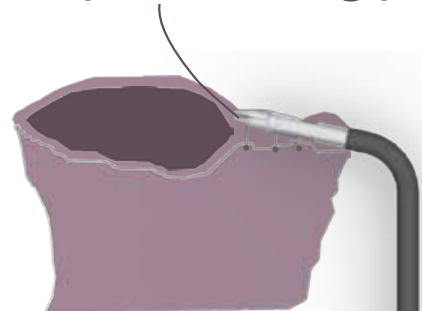


General surgery



- Fundoplication (fixation of the stomach)
- Hernia repair

Gynecology



- Total laparoscopic hysterectomy (vaginal cuff closure)
- Myomectomy (multi-layered suture closure of defect)
- Sacralcolpopexy (mesh fixation)