

# **INNOVATIVE TECHNOLOGIES** FOR MINIMALLY INVASIVE SURGERY

Dex Surgical's obsession is innovation with the objective to allow the surgeon's wrist mobility to be transposed inside the patient during Minimally Invasive Surgery.

A close collaboration with surgeons and 3 patents have led to Dex Device™: a Mechatronics system that includes Micromechanics, Embedded Electronics and Software Engineering to deliver a precise and safe procedure while drastically improving comfort during laparoscopic surgery.

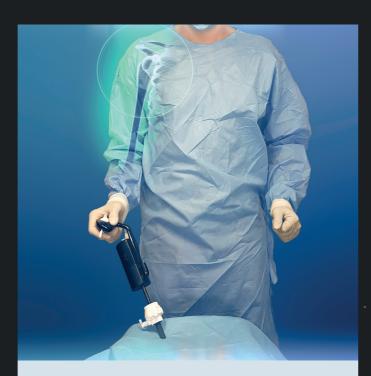
More than 3 000 patients across the world have already benefited from DEX Technologies™.

### **PRECISION**

**DEX 3D DISTAL MOBILITY TECHNOLOGY™ (PATENTED)** 

- Seven degrees of freedom providing a complete 3D Distal Mobility
- Multi-axis motorized motion
- High precision gear transmission

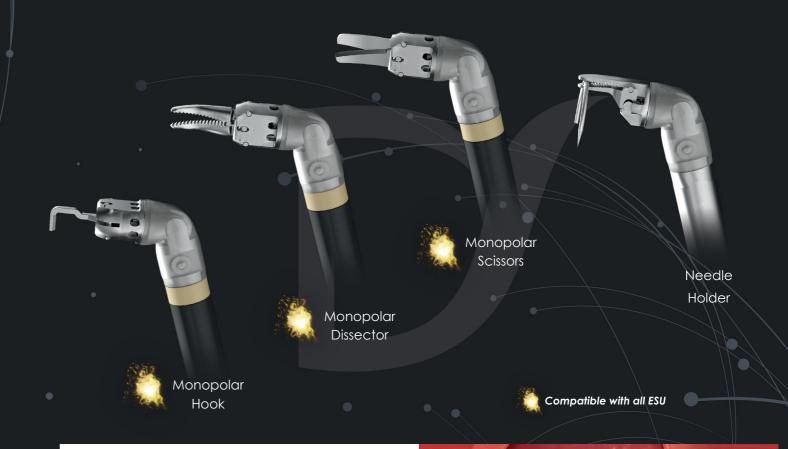




### **COMFORT**

**DEX ADVANCED WRIST** TECHNOLOGY™ (PATENTED)

- Articulated handle for the best postural comfort in laparoscopy that eliminates wrist strain
- Proximal compact volume to reduce instruments conflict
- Electronic assisted movements that dissociate prehension from axis control



# DISSECTION **& SUTURING**

- Full range of instruments dedicated to all specialities
- Short tip and infinite rotation of the distal end for easy access in narrow spaces
- Your key partner for posterior dissection and frontal plan suturing

Intended use: The DEX device laparoscopic instruments have application in a variety of minimally invasive procedures to facilitate grasping, mobilization, dissection, suturing, transection and electro-cauterization of tissues.





# **GENERAL SURGERY**

- Bariatric surgery
- Rectum / Colon surgery



#### UROLOGY

- Radical prostatectomy



#### GYNAECOLOGY

- Sacrocolpopexy
- Hysterectomy

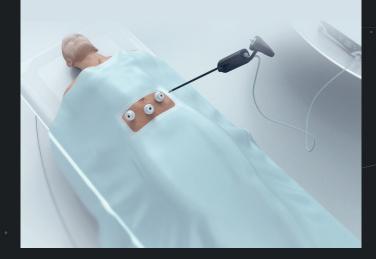
# **SMART AND CONVENIENT**

- Fully compatible system for laparoscopy in any Operating Room
- 2 minutes installation
- Reusable and completely steam sterilizable 132°C/134°C



# **CONTROL & SAFETY**

- Laparoscopic skills: short learning curve
- Surgeon stays in the sterile field close to the patient
- Keep haptic feedback during dissection and suturing



### **CERTIFICATION QUALITY IS OUR PRIORITY**



FDA Cleared for US market



Medical Device Quality Systems



CE marked for European Union's



### **REFERENCE**

- •E-1301 / Console
- •P-1301 & P-1302 / Control Handle •B-1301 / Needle holder 35 cm
- •B-1304 / Monopolar Scissors 35 cm
- •B-1505 / Monopolar Maryland Dissector 35 cm
- •B-1506 / Monopolar Hook 35 cm •M-1304 / Single use Monopolar sleeve
- •2090-MDS / Single use Protection sleeve





For any information request, please contact us on: WWW.DEX-SURGICAL.COM



