SIMPLICITY OF INTUITIVE CONTROL

JOIN THE MOVEMENT, DEMOCRATIZE MIS

FlexDex SURGICAL

flexdex.com
How it Works

FlexDex has a three-axis gimbal that attaches to a surgeon’s wrist. Once attached, it leverages a series of mechanical components to translate the movement of the surgeon’s hand to the tip of the instrument.

“FlexDex, a mechanical arm developed by a team at University of Michigan, could bring precision surgical procedures to hospitals that can’t afford expensive surgery robots.”

- NBC

Our Mission

At FlexDex, we believe every instrument should work like our own hand and effortlessly transform instinct into action. To improve patient care everywhere, cost and complexity must be avoided. Our deliberate focus on efficient and elegant design extends intuitive control to minimally invasive instruments. FlexDex is a scalable technology with the potential for use in every country, for any surgeon, at any time.

“FlexDex, a mechanical arm developed by a team at University of Michigan, could bring precision surgical procedures to hospitals that can’t afford expensive surgery robots.”

- NBC

Imagine a world in which laparoscopic tools gave you articulation AND intuitive control

How it Works

FlexDex has a three-axis gimbal that attaches to a surgeon’s wrist. Once attached, it leverages a series of mechanical components to translate the movement of the surgeon’s hand to the tip of the instrument.
WHY FLEXDEX
A COMPARISON TO OTHER OPTIONS

Traditional Laparoscopy
The benefits of laparoscopy when compared to open surgery have been well established and include faster recovery, shorter length of stay, and less post-op pain. Despite these benefits, complex Intracorporeal suturing remains a challenge for many surgeons and has been a major contributor to the growth of robotic surgery.

Robotic Surgery
Robotic surgery offers high dexterity allowing surgeons to perform complex Intracorporeal suturing with greater ease and precision. However, data supporting its clinical benefit is lacking when compared to laparoscopy; nonetheless, it requires use of a multi-million dollar platform with high on-going costs, a dedicated support team and imposes limits on O.R. productivity.

Laparoscopy with FlexDex
FlexDex is a laparoscopic platform technology that offers laparoscopic tactile feedback, intuitive control, and robotic-like dexterity. It requires no capital investment, no maintenance contract, and can be used in any O.R. at any time.
## QUICK COMPARISON

### How We Stack Up —

<table>
<thead>
<tr>
<th>Benefits of MIS Approach</th>
<th>Traditional Laparoscopy</th>
<th>Robotic Surgery</th>
<th>Laparoscopy with FlexDex</th>
</tr>
</thead>
<tbody>
<tr>
<td>Seven Degrees of Motion</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Intuitive Control</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Ergonomic Design</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Laparoscopic Tactile Feedback</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Available in Any O.R. at Any Time</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>No Capital Investment</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>No Annual Maintenance Fee</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>No Dedicated Staff required</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>
Product Code  FD-335 ND
Shaft Length  35cm
Diameter  8mm

Tel. +1 810 522 9009
Email. info@flexdex.com
Web. www.flexdex.com