SMART STAPLING GREATER CONSISTENCY

By using Smart technology, Signia™ stapler adapts to tissue variation as you fire. Combined with Tri-Staple™ technology this delivers **more consistent staple lines.**

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THE FUTURE OF STAPLING IS **IN YOUR HAND.**

The Signia™ stapler is fully powered which means it rotates, articulates and fires all with a single hand enabling the surgeon to stay focused on the surgical site.

The Signia™ stapler with Adaptive Firing™ technology, adjusts firing speed based on force feedback during clamping and firing to optimise staple formation and deliver more consistent staple lines.[2,3]

The Signia™ stapler doesn't just adapt to tissue variability, it lets you know when it does, with audible and visual feedback displayed on the handle — before you fire. It's made possible by tissue-sensing technology.[1-3]

When the Signia™ stapler is clamped on tissue, it will:

- Display real-time feedback, showing the device is ready to fire[5]
- Set one of three firing speeds based on the tissue clamped[2,3]
- Adjust firing speed based on tissue variability and thickness[1-3]

When the Signia™ stapler is combined with Tri-Staple™ technology you will also receive:

- Less stress on tissue[7]
- Greater perfusion into the staple line[8]
- Outstanding performance in variable tissue

- Fully powered articulation, rotation, clamping, and firing provides precision and manoeuverability[4]
- An LED screen displays real-time feedback
- Well-balanced in the hand during use[6]
- Single-handed operation frees your other hand to focus on the surgical site[1]

Intelligence Enabled™

1. Based on internal test report #RE00024826. Signia™ Stapling System Summative Usability Report, Rev A, January 2016.
2. Based on internal test report #R2146-151-0, Powered Stapling Firing Speed DOE Analysis and ASA Parameters, 2015.
3. Based on internal test report #R2146-173-0, ASA Verification Testing with Slow Speed Force Limit Evaluation, 2015.
4. S. Drew, T. Tarek, P, Donald. UCONN Biodynamics Final Report on Results focusing on biomechanical exposures related to laparoscopic stapler use. Report #RE00022065, 2012.
5. PT00002451 Signia™ Stapler User Manual, Page 13.
6. Based on internal test report #RE00027558. Signia™ Powered Stapler Center of Mass, 2015.
7. When compared to Echelon Flex™* green reloads as part of an analysis comparing different stapler designs and their performance and impact on tissues under compression using two-dimensional finite element analysis. Sept. 2, 2011. Report #PCG-007 rev 1.
8. Based on internal engineering report #2128-002-2, Final analysis of staple line vascularity using MicroCT. April 27, 2015.

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