EVERY INDUSTRY HAS SMART INNOVATION. IN HEALTHCARE, IT TAKES A DIFFERENT KIND OF SMART.
PRECISE CONTROL.
CONSISTENT
STAPLE LINES. 2,3
SMART STAPLING,
DEFINED.

SMART IS DELIVERING
REAL-TIME
FEEDBACK

The Signia™ system uses technology to:

- Communicate the zone it’s firing in—from Zone 1 at regular speed, to Zone 3 at slowest speed 4
- Deliver consistent staple lines 2,3
- Provide both visible and audible feedback
- Support clinical decision making by providing force-sensing feedback 1,5

SMART IS TRI-STAPLE™
TECHNOLOGY

This technology has been providing customers with graduated compression profile, which delivers:

- Less stress on tissue during compression and clamping 8
- Outstanding performance in variable tissue thickness
- Greater perfusion into the staple line versus uniform staple closure 9
SMART IS ADAPTING TO EVERY TISSUE CHALLENGE

Because tissue varies throughout the body and between patients, the Signia™ stapling system uses Adaptive Firing™ technology to:

- Measure force and provide feedback when clamping tissue\(^1,2,3\)
- Set firing speed based on clamp force measurement\(^4\)
- Continuously measure force during firing and slow firing speed based on those measurements\(^4\)

SMART IS PRECISION AND MANEUVERABILITY

The Signia™ system is a fully powered single-handed stapler with powered articulation, rotation, clamping and firing. It:

- Provides greater precision and maneuverability\(^6,7\)
- Reduces unwanted motion when manipulating, clamping and firing through tissue\(^6,7\)

SMART IS BEING REUSABLE

Instead of using batteries that must be disposed of after a single procedure, the Signia™ system:

- Is reusable for up to 300 procedures
- Uses a lithium rechargeable battery\(^4\)
- Employs a universal reload platform

\(^1\) As compared to manual devices and/or EES Echelon Flex™
The Signia™ stapling system leaves you in control – while providing real-time information and consistent staple lines – across patients, tissue types and procedures.

To try the Signia™ system in your next procedure contact your local Medtronic Sales Representative or visit medtronic.com

REFERENCES

† Pre-clinical results may not correlate with clinical performance in humans.

1. Based on internal test report #RE00024826, Signia™ stapling system summative usability report, January 2016.
2. Based on internal test report #R2146-151-0, Powered Stapling Firing Speed DOE Analysis and ASA Parameters, 2015.
8. Based on internal test report #PCG-007. 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.