

# ETHICON GEN11 Generator

with **Adaptive Tissue Technology**

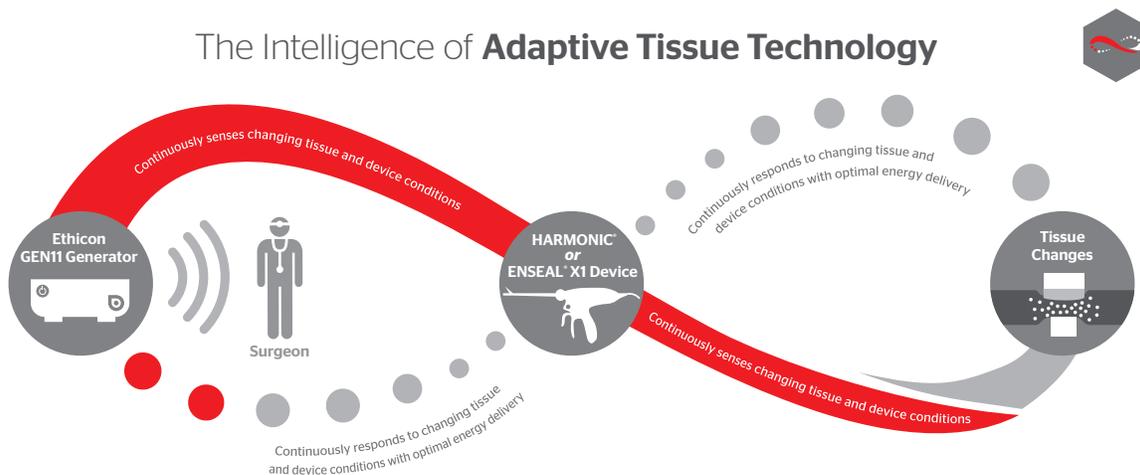


## Intelligent energy delivery to advance patient outcomes

Adaptive Tissue Technology, powered by the Ethicon GEN11 Generator, uses an advanced algorithm for intelligent and efficient energy delivery. In HARMONIC® and ENSEAL® X1 devices, it continuously:

- **Senses** changes in tissue and device conditions
- **Responds** with the optimal amount of energy
- **Delivers** greater precision<sup>12</sup> and efficiency<sup>34</sup>

### The Intelligence of **Adaptive Tissue Technology**



# ETHICON GEN11 Generator

Powers the complete line of HARMONIC® and ENSEAL® X1 devices utilizing Adaptive Tissue Technology, which facilitates:



 <b>SEALING</b>	<ul style="list-style-type: none"> <li>• Strong and secure sealing of vessels up to 7 mm<sup>5,6,7</sup></li> </ul>
 <b>THERMAL MANAGEMENT<sup>1,2</sup></b>	<ul style="list-style-type: none"> <li>• Minimal lateral spread</li> <li>• Reduced thermal damage</li> </ul>

## Product features

### Intuitive high-res touchscreen display

Fast and easy setup and operation with on-screen diagnostics

### Upgradable software

Supports future Ethicon Energy devices and limits the obsolescence of capital



### Universal connector

Magnetized teardrop-shaped connector to ensure proper alignment and automatic instrument recognition

### Compact design

Takes up less space in the OR and affords multiple placement options as well as easy transportation

## Ordering information

PRODUCT CODE	DESCRIPTION	QTY	COMPATIBLE WITH
GEN11	ETHICON GEN11 Generator	1	All HARMONIC® and ENSEAL® devices
FSW11	Generator Footswitch	1	ETHICON GEN11 Generator
CRT11	Generator Cart	1	ETHICON GEN11 Generator
EGA11	ENSEAL® Connector	1	ETHICON GEN11 Generator and current ENSEAL® disposable instruments
HGA11	HARMONIC® Connector	1	ETHICON GEN11 Generator and current HARMONIC® handpieces

**For more information, contact your local Ethicon sales professional or go to [Ethicon.com](http://Ethicon.com)**

**REFERENCES:** **1.** As compared to HARMONIC® devices without Adaptive Tissue Technology (C1949). **2.** Preclinical testing on porcine carotids (ENSEAL® vs Impact-LF4318) that measured mean max lateral thermal damage via histology ( $p=0.005$ ). (C2155). **3.** Based on a bench-top analysis of cycles-to-failure following induced damage to blade v. ACE-E; Median cuts to failure: Sterilmed 175, Ascent 8.5, HAR36 1987, HAR23 2110. ( $p<0.001$ ). And based on a bench-top comparison of time to cool to 50°C, HAR36 versus ACE36E without Adaptive Tissue Technology. Mean time 93s HAR36 vs. 123s Sterilmed reprocessed ACE36 ( $p<0.05$ ); mean time 94s HAR36 vs. 124s Ascent reprocessed ACE36 ( $p<0.05$ ) (C1459). **4.** (C2122) **5.** In bench-top studies with 5-7 mm porcine carotids that compared median burst pressure, HARMONIC ACE®\*7 exhibited higher burst pressures vs. LigaSure™ 5 mm Blunt Tip ( $p<0.001$ ) and LigaSure™ Advance ( $p<0.001$ ). (C1841) **6.** In a benchtop study with 5-7 mm porcine carotid arteries that compared median burst pressure, HARMONIC® HD 1000I (1878 mm Hg) vs. LigaSure™ 5 mm Blunt Tip (1378 mm Hg) ( $p=0.0004$ ). (C2039) **7.** Preclinical testing on porcine carotids ( $n=34$ ). (C2118)