



Altrus® Thermal Tissue Fusion System

This proprietary, direct thermal technology platform combines vessel sealing and tissue dissection capabilities into one, versatile solution for a wide range of laparoscopic and open procedures.



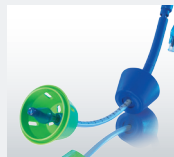
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ALTRUS®
THERMAL TISSUE
FUSION SYSTEM



PARALLEL CLOSURE

What is Thermal Tissue Fusion?

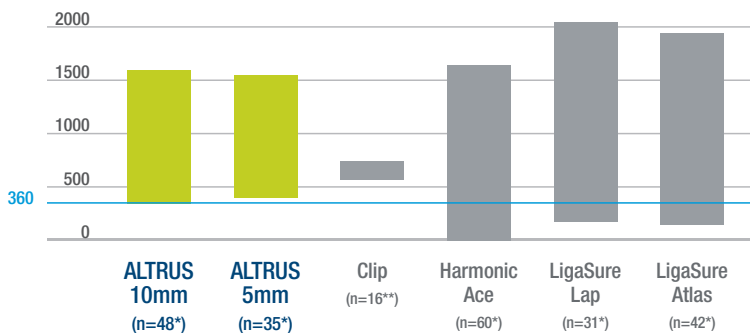
The Thermal Tissue Fusion Technology of the Altrus® System utilizes direct thermal energy and pressure to effectively seal, transect, dissect and coagulate tissue. A hybrid technology, this system combines the vessel sealing capabilities of an advanced bi-polar system with dissection capabilities for a consolidated and streamlined surgical experience. This “best of both worlds” approach delivers a range of clinical benefits to both surgeons and their patients:

Temperature Control The Altrus System features a closed feedback loop between the energy source and the handpiece for precise temperature control of energy delivery to the tissue.

Rapid Seal Cycles This system provides sealing and a bladeless cut function with an average cycle time of 2-4 seconds, which can help minimize lateral tissue damage and potentially reduce procedure times.

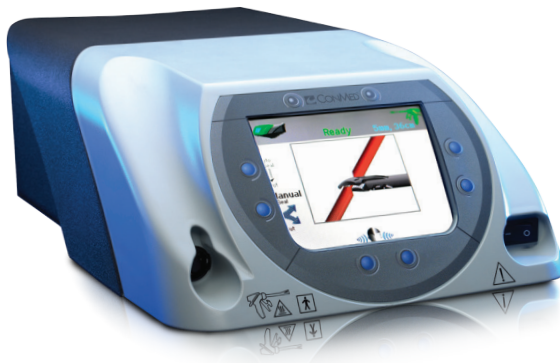
Reliably Seal Large Vessels and Tissue Bundles The Altrus System enables reliable and reproducible tissue fusion – effective for vessels and tissue bundles up to and including 7mm in diameter with seals that withstand three times normal systolic pressure.

Clear Visualization The Altrus Thermal Tissue Fusion System emits very little smoke for a clear laparoscopic field of view.



BURST PRESSURE COMPARISON
(mmHg)

*Data collected on in-vivo porcine arteries; vessel sizes ranged from 2mm to 7mm. **Mean burst pressure range of porcine arteries ranging from 2mm to 7mm. Harold KL, et al. Surg Endosc (2003) 17: 1128-1230 Individual values seen in the human model may vary.

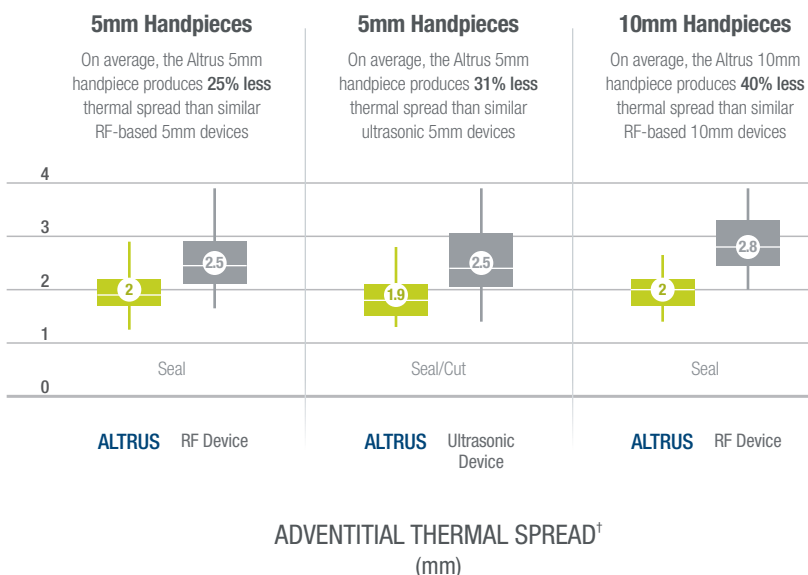


No Sticking, Dulling or Jamming Unlike advanced bi-polar systems systems, the bladeless cut function eliminates frustrating instances of the mechanical cutting mechanism dulling, jamming and charred tissue sticking.

Even Energy Application The unique parallel closure mechanism provides uniform pressure across the jaw surface for consistent energy delivery to tissue.

Surgeon Comfort The ergonomic design of the handpiece accommodates a variety of hand sizes (glove size 5 ½ to 8 ½) while the rapid seal cycles may reduce surgeon hand fatigue.

Minimal Thermal Spread The precise temperature control produces minimal thermal spread allowing for tissue sealing and dissection adjacent to critical structures.



[†]Single-Activation Thermal Spread: A Comparative Study of Five Tissue Fusion Devices during Open Surgery



525 French Road, Utica, NY 13502

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THERMAL TISSUE
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Ordering Information

Description	Quantity	Catalog Number
Energy Sources		
ALTRUS® Thermal Tissue Fusion System Energy Source for U.S. and Canada	1	60-9500-120
ALTRUS Thermal Tissue Fusion System Energy Source for outside the U.S. and Canada	1	60-9500-INT
Handpieces		
10mm, 16cm shaft	6/case	60-9510-001
10mm, 23cm shaft	6/case	60-9511-001
10mm, 36cm shaft	6/case	60-9512-001
5mm, 16cm shaft	6/case	60-9520-001
5mm, 23cm shaft	6/case	60-9521-001
5 mm, 36cm shaft	6/case	60-9522-001
Accessories		
Cart with Energy Source adapter plate	1	60-9540-001
Stacking Adapter for System 5000	1	60-9541-001
Energy Source adapter plate for System 5000 cart	1	60-9542-001
Operator's Manual	1	60-9543-ENG
Service Manual	1	60-9544-ENG

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