

Solution: HARMONIC ACE[®]+7 Shears with Advanced Hemostasis

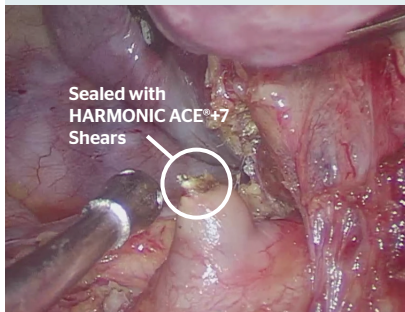
The right tool for small pulmonary vessels

Proven to reliably seal pulmonary vessels



Sealing

- **Securely seal** small PA vessels and branches up to and including 7mm in diameter¹



Small profile

- **Less vessel manipulation** allows for a smaller window of vessel skeletonization
- Enables access to vessels at **difficult angles**
- Curved blade designed to **enable visibility and fine dissection**



Multifunctional and efficient

Fewer instrument exchanges

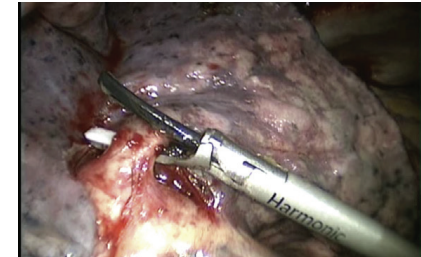
- Grasp
- Dissect—nodes, hilum, bronchus and adhesions
- Vessel skeletonization

More than just a vessel sealer



Active heat management

- Adaptive Tissue Technology dynamically optimizes energy delivery in response to changing tissue conditions to **reduce blade temperature**^{2,3}



¹ HARMONIC[®] used to seal 239 vessels in this study with 3 intraoperative bleeds (98.7% success). Liberman M, et al. Prospective, multicenter, international phase 2 trial evaluating ultrasonic energy for pulmonary artery branch sealing in video-assisted thoracoscopic surgery lobectomy. J of Thoracic and Cardiovascular Surgery. Sep 2019. DOI 10.1016/j.jtcvs.2019.09.061 (127237-191107) ² Based on preclinical studies demonstrating decreased activation times and thermal damage vs. HARMONIC ACE[®] without Adaptive Tissue Technology (044012-151130) ³ (037743-150729)