

# MiFusion® Thermal Fusion Technology

ENTceps® for Tonsillectomy

## Precision - Safety - Confidence

Microline Surgical's patented Thermal Fusion technology utilizes direct heat and pressure to delicately fuse and divide soft tissue. This offers multiple clinical and patient benefits over conventional monopolar and bipolar devices.

### Clinical Benefits:

- No electrical current passes through the patient
- Minimal collateral tissue damage allows for use near delicate anatomy<sup>1,2</sup>
- Less intra-operative bleeding<sup>1,2</sup>
- Minimal tissue charring<sup>3</sup>
- All-in-one cutting, coagulation, and dissection device eliminates the need for frequent instrument exchange<sup>1</sup>

### Patient Benefits:

- Reduced post-operative pain<sup>1,2</sup>
- Reduced post-operative bleeding<sup>1,2</sup>
- Faster return to normal diet<sup>2</sup>



*"I immediately knew that ENTceps® was my solution for tonsillectomies because of the way the energy is delivered to the tissue. The thermal energy is concentrated between the two ends of the instrument, resulting in minimal thermal spread, less pain and faster recovery."*

**Farhad Sigari, M.D., FACS**  
Del Rey ENT Associates



**ENTceps® Tonsillectomy Post-Op**



**Monopolar Tonsillectomy Post-Op**

# MiFusion® Thermal Fusion Technology

## ENTceps® for Tonsillectomy

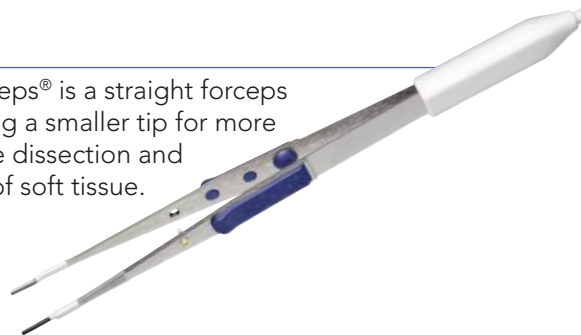
### ENTceps®

110-005D ENTceps® is a disposable bayonet forceps for soft tissue fusing and dividing.



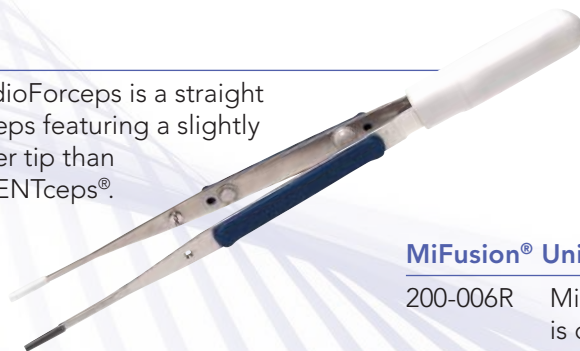
### MicroCeps®

100-008D MicroCeps® is a straight forceps featuring a smaller tip for more delicate dissection and fusing of soft tissue.



### CardioForceps

100-006D CardioForceps is a straight forceps featuring a slightly larger tip than the ENTceps®.



### MiFusion® Universal Power Supply (UPS)

200-006R Microline's Universal Power Supply (UPS) is compatible with the company's entire product suite. The UPS is a compact, three-pound, power source that can hang from an IV pole or sit on a tabletop.



### MiFusion® PowerPack Dual Control Footswitch

309-004R Dual Control Footswitch provides variable and high power for MiFusion® forceps instruments. (Footswitch sold separately.)



Visit [www.ENTceptional.com](http://www.ENTceptional.com)

#### References:

- 1 Stavroulaki P, Skoulakis, C, Theos E. et al. Thermal Welding Versus Cold Dissection Tonsillectomy: A Prospective, Randomized, Single-Blind Study in Adult Patients. Annals of Otolaryngology, Rhinology & Laryngology, August 2007.
- 2 Karatzias G, Lachanas V, Sandris V. Thermal Welding Versus Bipolar Tonsillectomy: A Comparative Study. Otolaryngology – Head and Neck Surgery, June 2006.
- 3 Michel R, Weinstock B, Tsau K. Safety and Efficacy of Pressure-Assisted Tissue-Welding Tonsillectomy: A Preliminary Evaluation. ENT Journal, February 2008.