



Access hard to reach sinus anatomy

A multifunction solution, designed for efficiency



# SERPENT<sup>◇</sup> Articulating Instrumentation

## Access hard to reach sinus anatomy

The SERPENT Articulating Instrumentation enables the surgeon to introduce a straight instrument into the nasal anatomy and then articulate the functional tip over 240 degrees, side to side.

The ability to maneuver the instrument tip independently while in the sinuses is designed for control and access. A single SERPENT articulating instrument could replace the typical range of angled instruments required to access hard-to-reach anatomy in the nasal, paranasal and similar ear, nose and throat tissues.

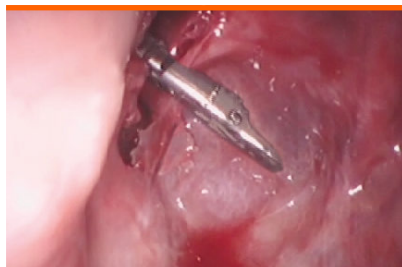
### Features

- Jaws remain fully functional throughout entire articulation range
- Proprietary multi-link articulation system replicates the performance of a rigid instrument over a 240 degree range
- Low profile, 3.0 mm diameter shaft and jaws facilitate access through tight spaces
- Thumb-based articulation lever enables seven distinct locking positions
- 14.0 cm working length
- Multiple tip configurations include thru-cutters and graspers
- Ultra-sharp cutting edges and precise grasping tips
- Designed to withstand the rigors of standard cleaning and sterilization procedures



### Navigating the maxillary sinus

These images, taken from a cadaver as viewed from the canine fossa, demonstrate the reach and range of articulation of the SERPENT® Instrument within the maxillary sinus.



Entering the maxillary ostium



Dissecting the lateral aspect of the maxillary sinus



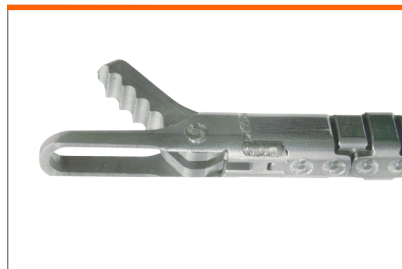
Dissecting along the medial wall of the maxillary sinus

### Articulating technology

As endoscopes widen the surgical field of view, traditional rigid instruments limit the ability to reach visible anatomy. This unique technology platform has facilitated the development of a new class of instruments. SERPENT Articulating Instrumentation is designed to reach around corners and, even at extreme angles, perform precise dissection.



### Configurations



SERPENT Articulating Thru-Cutting Forceps, 3.0 mm



SERPENT Articulating Grasping Forceps, 3.0 mm



SERPENT Sterilization Tray, holds two instruments in each tray

## Ordering Information

### SERPENT® Articulating Instrumentation

Reference #	Description
510-30110	SERPENT® Articulating Thru-Cutting Forceps, 3.0 mm vertical jaw
510-30210	SERPENT Articulating Thru-Cutting Forceps, 3.0 mm horizontal jaw
510-30120	SERPENT Articulating Grasping Forceps, 3.0 mm vertical jaw
510-30220	SERPENT Articulating Grasping Forceps, 3.0 mm horizontal jaw
910-30100	SERPENT Sterilization Tray, holds two instruments in each tray; tray and lid are available as separate parts to facilitate a multi-tray stack.

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