

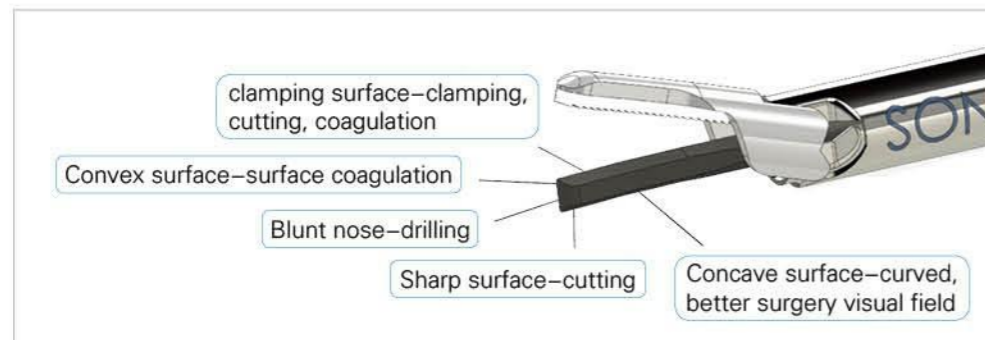
Tip advantage

Safe can seal 5mm blood vessel safely

Precision less lateral thermal damage assure safe operation nearby important organ

Multifunction cutting, coagulating, grabbing, dissection all in one, reduce surgical instruments exchange.

Detachable easy to clean and sterilize, can be reused many times, decrease medical cost, reduce patient burden.



order information

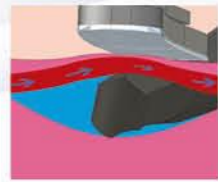
name	type
ultrasonic surgical scalpel(multifunction scissor)	36cm
ultrasonic surgical scalpel(multifunction scissor)	23cm

Ultrasonic surgical system

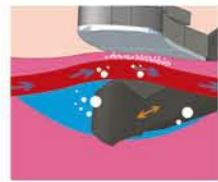
Ultrasonic hemostatic cutter



Theory

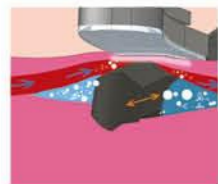


Scissor clamps target tissue, and is ready to cut tissue and seal blood vessels.



Tip vibrates in 55,500 times per second and contact tissue.

Tissue protein absorb the energy of high frequency vibration, then molecular hydrogen bonds are broken and begin to be denatured, and cavitation is formed in body fluid nearby and a large number of bubbles appear at the same time.



Protein coagulates and is denatured, and begins to break under mechanical effect.

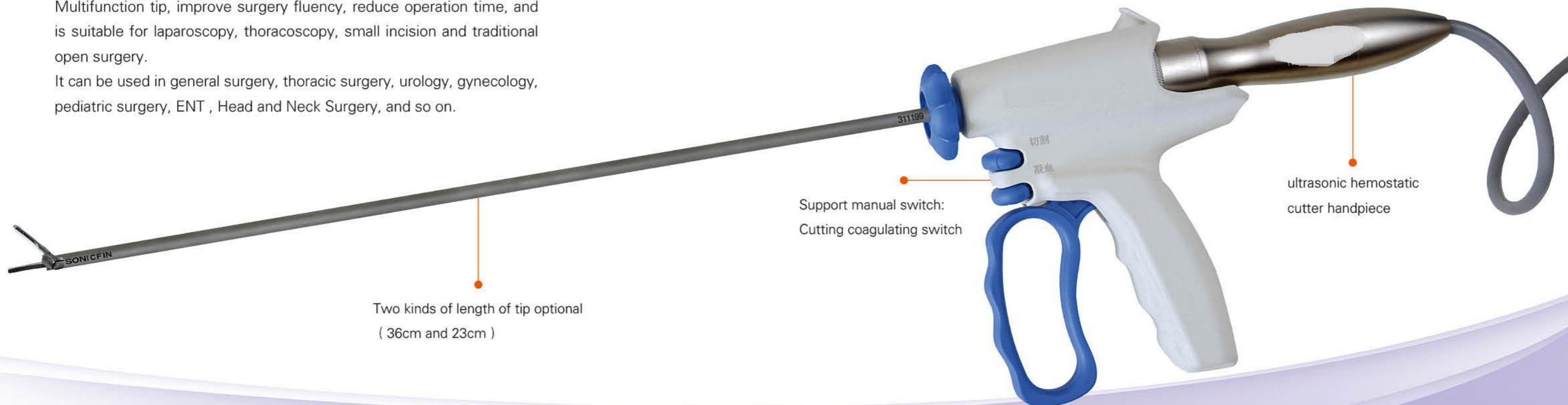
The instantaneous high temperature and high pressure area generated by cavitation bubbles collapsing make body fluid to be vaporized, it help tissue to be stratified.



Tissue breaking and blood vessels sealing are completed simultaneously on the premise of minimal temperature rising and lateral thermal damage.

Multifunction tip, improve surgery fluency, reduce operation time, and is suitable for laparoscopy, thoracoscopy, small incision and traditional open surgery.

It can be used in general surgery, thoracic surgery, urology, gynecology, pediatric surgery, ENT , Head and Neck Surgery, and so on.



Two kinds of length of tip optional (36cm and 23cm)

clinical benefit

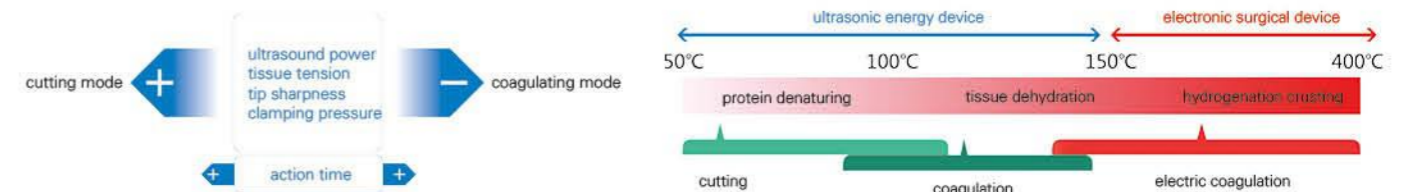
features

- have cutting and coagulating functions simultaneously
- less cutting force
- less temperature rising and heat
- less eschar and smoke
- none current through body
- tip with multifunctions
- resonance frequency autotrack

clinical benefit

- reduce operation time
- reduce operator fatigue
- can be used nearby important tissue and organ
- better surgery visual field
- none conductivity tissue damage
- reduce surgical instruments exchange in operation
- more stable power output

Working temperature



Support manual switch:
Cutting coagulating switch

ultrasonic hemostatic
cutter handpiece