

Series:A1-A6

Model	Product Description	Electrode Length	Package
SM-ZXDJ-A1	Needle shape	40±10mm	100PCS/Box
SM-ZCDJ-A2	Blade shape	45±10mm	100PCS/Box
SM-ZCDJ-A3	Blade shape	90±10mm	50PCS/Box
SM-ZCDJ-A4	Blade shape	130±10mm	50PCS/Box
SM-ZXDJ-A5	Retractable	40~140±10mm	100PCS/Box
SM-ZXDJ-A6	Retractable,water dripping,smoke suction	40~140±10mm	100PCS/Box

Series:A Tungsten needle

Model	Product Description	Electrode Length	Package
A Tungsten model	Needle shape,tungsten material	40±10mm	100PCS/Box
	Needle shape,tungsten material,retractable	40~140±10mm	100PCS/Box

Series:B

Model	Product Description	Electrode Length	Package
SM-ZXDJ-B	Hook shaped,smoke suction(5mm diameter)	300±10mm	50PCS/Box

Series:C1-C3

Model	Product Description	Electrode Length	Package
SM-ZXDJ-C1	Needle shaped,with suction function,retractable	25~40±10mm	50PCS/Box
SM-ZXDJ-C2	Blade shaped, with suction function,retractable	75~90±10mm	50PCS/Box
SM-ZXDJ-C3	Blade shaped, with suction function,retractable	125~140±10mm	50PCS/Box

Series:EZ

Model	Product Description	Length of forcep body	Package
SM-ZXDJ-EZ (Tip width(0.2-1.2)is custom-made)	Angled handle,bipolar(ordinary)	175~235	50PCS/Box, 100PCS/Box
	Angled handle,bipolar (Silver clad)	175~235	50PCS/Box, 100PCS/Box
	Angled handle,bipolar (Silver clad and water dripping)	175~235	50PCS/Box, 100PCS/Box

Series:EB

Model	Product Description	Length of forcep body	Package
SM-ZXDJ-EB (Tip width(0.2-1.2)is custom-made)	Straight handle,bipolar(ordinary)	125~195	100PCS/Box
	Straight handle,bipolar(Silver clad and silver plating)	125~195	100PCS/Box



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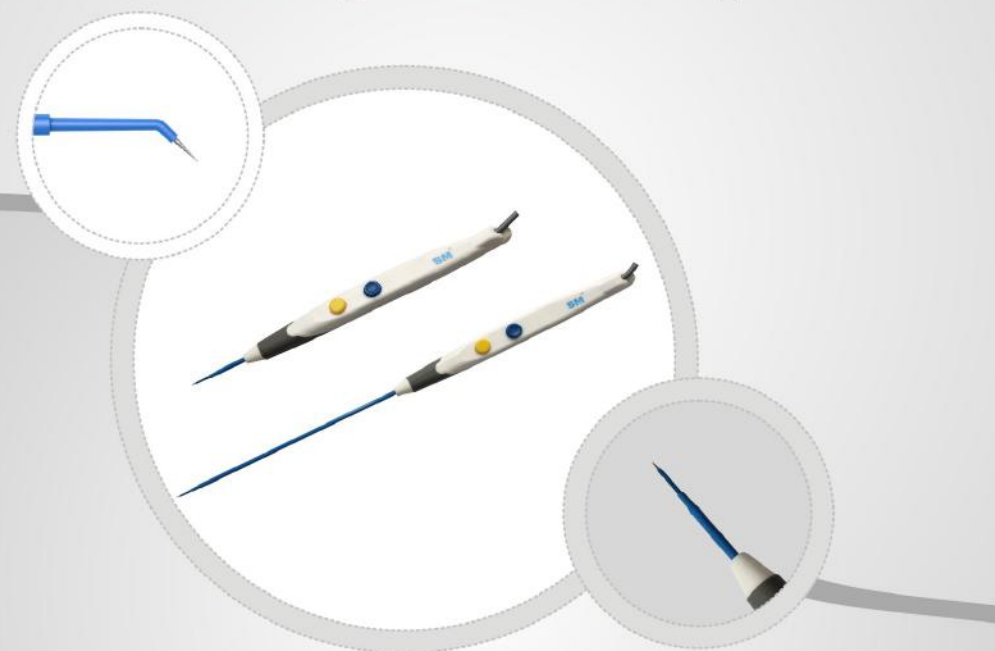
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Electrosurgical Pencils and Bipolar Forceps



Xi'an Surgical Medical Technology Co.,ltd.

Company Profile

Founded in 2011, Xi'an Surgical Medical specializes in R&D, manufacture and sales of electro-surgical pencils and forceps. It's subsidiary of Gaoton medical which have two brands: GAOTON and SM. The main products of GAOTON are low temperature multifunctional plasma surgery system and plasma probes. The main products of SM are electro-surgical pencils and forceps. We have independent standard plant which is approximately 5000 square meters. The plant include a 100,000 class purification plant which is 500 square meters and comply with GMP standard and a 10,000 class microbiological laboratory which is 200 square meters. Our products have got many national patents.

Electrosurgical monopolar pencils include A tungsten needle series, A common material series, B laparoscopy series, C curettage and suction series. Bipolar forceps include EZ angled and EB straight series.

Our products have great market share in china and are exported to many countries.



SM-ZXDJ-A Tungsten Needle Series

Electrosurgical Pencil

The tip of tungsten needle is very hard and sharp and it is made of imported tungsten alloy. Tungsten alloy is one of the hardest metal materials in the world, its hardness is second only to diamond (10M). Tungsten has the highest melting point (about 3500 degrees) among all metals, it has good high temperature and creep resistant performance, and it is good conductor of heat and electricity. Tungsten alloy has high strength and high melting point, it will not adhere tissue and is antibacterial. Therefore, tungsten alloy is recognized and extensively used in medical area. It is welcomed by surgeons especially in precise electro-surgical operations.

Tungsten needle

--Retractable electrode--
Minimally invasive needle-shaped electrode

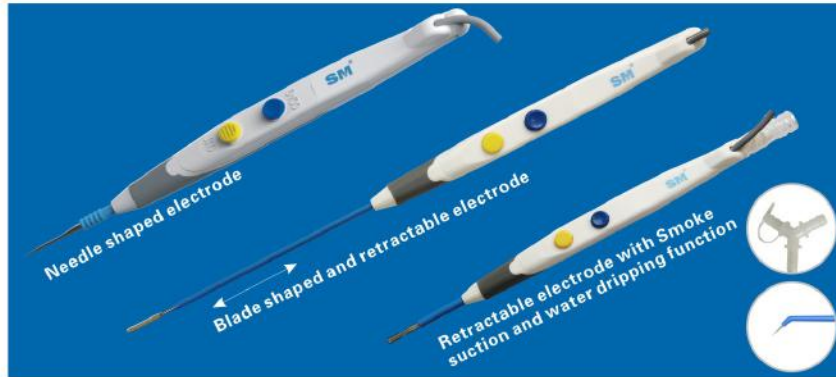


[Shaft Length retractable from 4 to 14cm]

Product Advantages

Ergonomically streamlined appearance design, comfortable button and excellent performance, relieving muscular tension and fatigue due to long time surgery

- Ultra-thin 5 μ m electrode tip which can focus power and perform surgery with low power
- Smoke suction to enable precise cut and micro-carving.
- Minimal tissue damage
- Shaft length is retractable from 4 to 14cm, which can perform different kinds of surgery
- Different power ranges are recommended for different kinds of surgery.
- Straight and angled types are available.

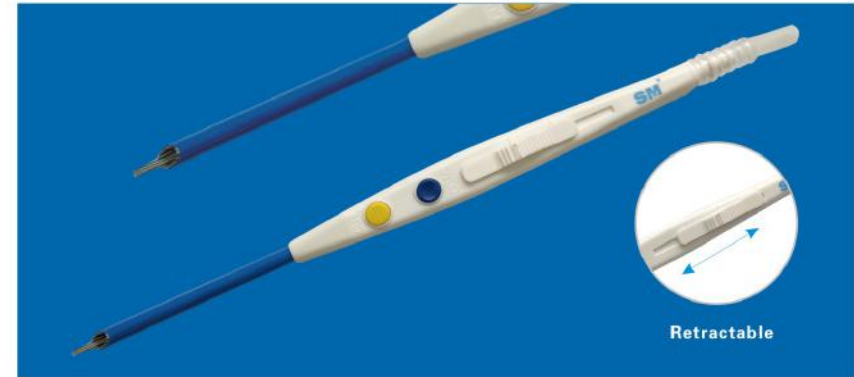


Clinical Application

- It's used for tissue cutting and coagulation in various kinds of surgery.

Product Advantages

- Disposable use to avoid cross infection and ensure safety of patient.
- 360 degrees rotatable and freely bendable shaft.
- The electrode tip adopt anti-adhesive coating to reduce tissue adhesion.
- Electrical system is hermetically sealed and insulated to prevent liquid infiltration and accidental electrical leakage and ensure safe use.
- Multiple lengths of electrodes are available to meet requirements of different surgery.
- Handle adopt ABS hard plastic and TPF polyethylene which is comfortable to touch.
- Shaft length is retractable from 4 to 14cm,which can perform different kinds of surgery.
- Smoke suction function to make clear surgery vision and effectively protect safety of doctor.
- Extensive surgery application.



Clinical Application

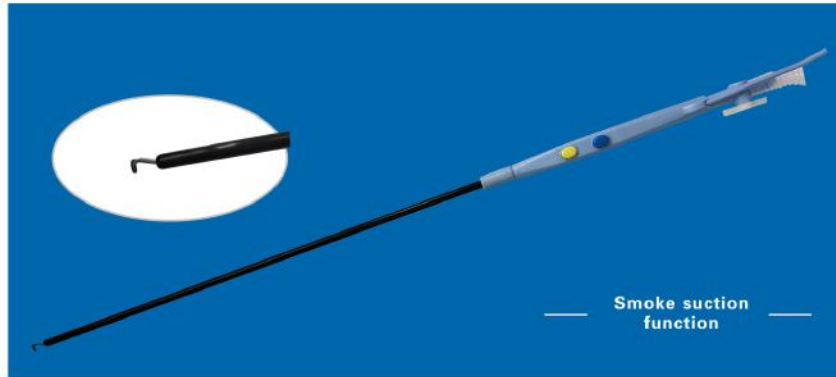
- It's used for tissue cutting,coagulation and suction in various kinds of surgery.

Product Advantages

- Disposable use to avoid cross infection and ensure safety of patient.
- Electrical system is hermetically sealed and insulated to prevent liquid infiltration and accidental electrical leakage and ensure safe use.
- Corrugated cut button to help doctor switch function by hand feel and improve surgery efficiency.
- Integrated function of cut,coagulation and suction which can suck out smoke and blood to make clear surgical vision.
- The electrode tip is retractable to avoid adhesion and eschar during surgery.
- Multiple shapes and length of electrodes are available to meet requirements of different surgery.
- Handle adopt ABS hard plastic and TPF polyethylene which is comfortable to touch.
- It can be applied to complicated surgery.

SM-ZXDJ-B laparoscopy Series

Electrosurgical Pencil



Clinical Application

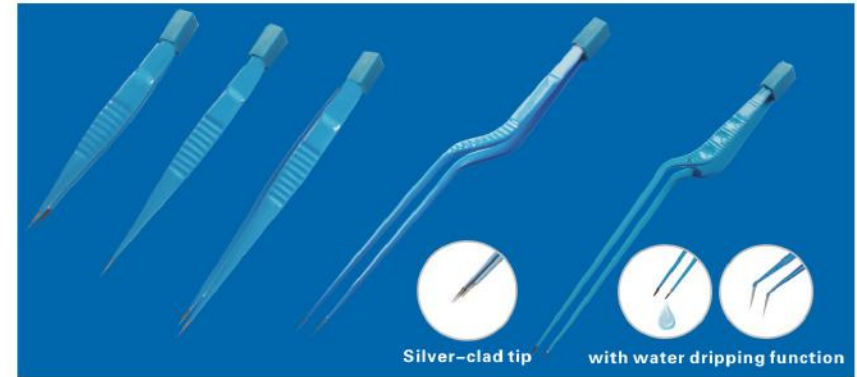
- It's used for tissue cutting, coagulation and suction in various kinds of surgery.

Product Advantages

- Integrated function of coagulation and suction which can suck out smoke to make clear surgical vision.
- Disposable use to avoid cross infection and ensure safety of patient.
- Electrical system is hermetically sealed and insulated to prevent liquid infiltration and accidental electrical leakage and ensure safe use.
- It can be applied to laparoscopy surgery.

SM-ZXDJ-EZ/EB Coagulation Series

Bipolar Forceps



Clinical Application

- It's used for coagulation of blood vessel in various kinds of surgery, especially neurosurgery.

Product Advantages

- Disposable use to avoid cross infection and ensure safety of patient.
- The tip of forceps can be custom-made.
- Multiple shapes and length of products are available to meet requirements of different surgery.
- It can be applied to different kinds of surgery.
- Silver-clad tip and water dripping function can avoid tissue adhesion during surgery.
- It's compatible with various kinds of high frequency generators.

Specification

EB(straight)

- 1.length(mm):125,150,175,195 are available
- 2.Tip width(mm):0.2,0.5 and 0.7 are available
- 3.Silver-clad,silver plating and stainless steel are available
- 4.Tip have straight and angled type.

EZ(angled)

- 1.length(mm):175,195,215,235 are available
- 2.Tip width(mm):0.2,0.5, 0.7, 0.9 are available
- 3.Silver-clad and silver plating are available
- 4.water dripping function is optional