Well Trust(Tianjin) Tech. Co., Ltd

Beyond Electrosurgical Solution



Company Profile

Well Trust(Tianjin) Tech. Co., Ltd. specializes in the research and manufacturing of medical devices, and has been committed to research and innovation in the field of electrosurgery since its establishment. At present, the main products include disposable consumables for electrosurgical procedures (mainly including ablation electrodes, various ablation electrode heads, bipolar electrocoagulation forceps, and high-frequency electric knife negative plates)

The company currently has a 100000 level purification workshop, multiple automated production lines, and professional testing equipment. All products are strictly controlled according to international standard production procedures, making each product safer, more reliable, and effective to use.



Electrosurgical Units

GD308-A



GD308-B



GD308-C



GD308-D



Model No.		GD308-A	GD308-B	GD308-C	GD308-D
Classification		Class I Type CF			
Operating Frequency		450KHz±10%			
High Frequency Leakage Current		≤100mA			
Output power	Pure	300W(500Ω)			400W(500Ω)
	Blend	250W(500Ω)	250W(500Ω)	250W(500Ω)	Blend1: 270W(500Ω)
					Blend2: 250W(500Ω)
					Blend3: 200W(500Ω)
	Coag	150W(500Ω)			
	Bipolar coag	36W(50Ω)	Precise :36W(50Ω)	Precise :36W(50Ω)	Precise :36W(50Ω)
			Normal:99W(150Ω)	Normal:99W(150Ω)	Normal:99W(150Ω)
				Soft: 99W(200Ω)	Soft: 200W(200Ω)

Product Description

GD308 series high-frequency electrosurgical units are versatile high-frequency surgical equipments for a variety of surgical procedures, including general surgery,orthopedics,thoracic surgery, gynecology, urology, neurosurgery,plastic surgery, etc. The products can also be equipped with a variety of endoscope to make the powercut and coagulating and sampling in the endocoele.

Main features

- High output, better coagulation
- Multimode, monopole and bipolar electric coagulation.
- Precise power regulation.
- Full suspended structure. Dual feedback line, high security.
- Hand control√ foot control√ hand control+foot control √
- Bipolar electric coagulation by the foot control output.
- Plate open automatic alarm. Automatic fault detection.
- Power adaptability: between 220V±22V.

RF Plasma Electrosurgical System

Othopedics, urology, low-temperature plasma surgery

Product Description :

It is a bipolar, radiofrequency (RF) electrosurgical systems indicated mainly in othopidics, urology, neurosurgery and arthroscopic low-temperature plasma surgeries. It is for ablation, cutting,vaporizition and coagulation on soft tissue and clamping for hemostasis on blood vessels below φ7mm when equipped with various plasma electrodes.

Main features :

- Low treatment temperature
- Low energy penetration
- Flexibly and conveniently in Usage
- Widely used in different joint surgeries
- Excellent hemostatic performance
- Small trauma, quick healing
- Low pain level

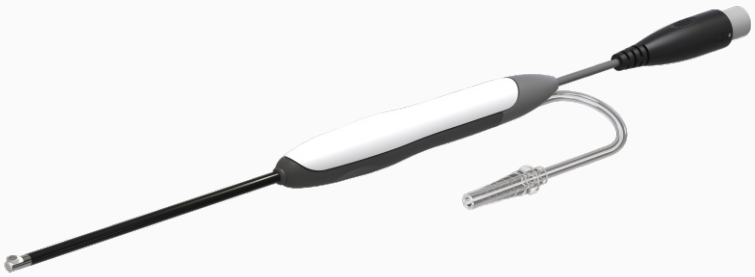
Electrosurgical Units



Main Technical Specifications :

Operating Frequency	100KHZ
Max. Output Power	400W@200Ω
Classfication	Class I Type BF
Ablation Max output power	400W@200Ω
Coagulation Max. Output power	100W@50Ω

Plasma Electrode



Type : **SG7**

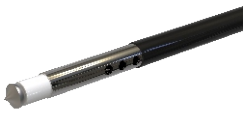


Probe Shape : Hooklike in 30°C
Probe Diammeter : 3.5mm
Working Length : 100-280mm

Indications

Ligament laxity, meniscus resection of knee, shoulder and hip joints.

Type : **SGX2**

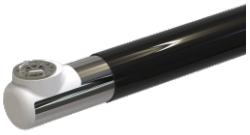


Probe Shape : Sphere
Probe Diammeter : **1.1mm**
Working Length : 100-280mm

Indications

For ablation and suction on small joints surgery

Type : **SGX6**



Probe Shape : Sphere
Probe Diammeter : 3.6mm
Working Length : 100-280mm

Indications

It is suitable for ablation of large area of soft tissue in the shoulder and knee joints, with multiple suction holes for efficient ablation and suction.

Type : **SGX7**



Probe Shape : Abnormal 30°
Probe Diammeter : 3.8mm
Working Length : 100-280mm

Indications

For the synovial membrane of the knee joint and the narrow area of the meniscus posterior corner to suction and efficiently perform vaporization, cutting and hemostasis.

Plasma electrode

For Spine Orthopedic Surgery

Type : **SG18-100** — Cervical Spine Plasma Electrode





Indications :

Radicular pain (lateral herniation) : upper limb pain > neck pain, MRI shows inclusive disc herniation, and discography is positive;
Shoulder pain (central herniation) : Conservative treatment was ineffective for 3 months, discography was positive, and there was no obvious instability in the intervertebral structure.

- Total Length : 100mm
- Puncture cannula outer diameter : 1.09mm
- Electrode Diameter : 0.9mm
- Working Length : 1.8mm
- Cable Length : 3000mm

Type : **SG18-220** — Lumbar spine plasma Electrode





Indications :

Intervertebral disc herniation pain : positive discography, bulging or mild herniation, and no obvious instability of the intervertebral structure;
Discogenic low back pain : low back pain ≥ leg pain, MRI confirmed to be inclusive disc herniation, push discography positive,

- Total Length : 157mm
- Puncture cannula outer diameter : 1.52mm
- Electrode Diameter : 1.1mm
- Working Length : 5.00mm
- Cable Length : 3000mm



Type : **SG17**



Probe Shape : Roundness
Probe Diammeter : 1.6mm
Working Length : 240-400mm

Indications

Ablation, hemostasis under spinal endscope surgery







Plasma RF Surgical System

For Ear, Nose and Throat (ENT)

Highlighted Features

- The plasma technlogy on tissue ablation and disection makes low temperatures between 40° to 70°C minimizing surrounding tissue thermal damage during surgical procedures.
- High energy field output helps surgeons improve ablation efficiency and minimize the bleeding range.
- Precise tissue removal performance reduces damage to the patient's wound, making the wound heal faster.
- The unique design of wands on the shape, sizes and technology integration are capable for ablation, suction, saline irrigation and hemostasis thus benefiting patient treatment outcomes.



Model No. : SGX4-140

Type : Tensillectomy and Adenoidectomy



Suggested Indications

- Tonsillectomy and Adenoidectomy
- Abduction paralysis of the vocal cord
- Epiglottic cysts

Features

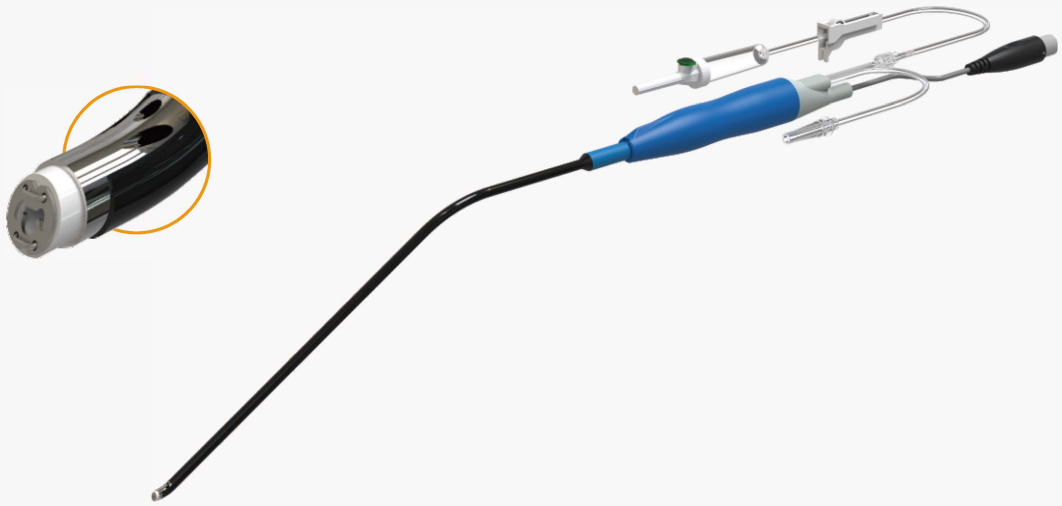
- The classic three-electrode wire continues to be optimized and iterated
- More stable plasma excitation, Better surgical field of view , Smooth water circulation, lower local temperature
- Insulation coating design to prevent thermal damage

Plasma RF Surgical System

For Ear, Nose and Throat (ENT)

Model No. : SGX4-220

Type : Laryngeal Tumor



Suggested Indications

- Papillary epithelioma
- Subglottic stenosis
- Abduction paralysis of the vocal cord
- Epiglottic cysts
- Vocal cord cysts

Features

- The combination of a dual-wire active electrode and a screen active electrode enables faster tissue ablation
- Extended length and ultra-slim shaft combined enables greater access and enhanced surgical visualization
- 45° bend in the shaft adapts to the curvature in the laryngeal anatomy, providing greater maneuverability

Model No. : SGX4-120

Type : Nasopharyngeal



Suggested Indications

- Chronic hypertrophic rhinitis
- Hypertrophied turbinates
- Vasomotor rhinitis
- Stuffy nose
- Allergic rhinitis

Features

- Integrated visual markers on the shaft indicate depth in the nasal cavity makes
- The conical tip design makes drilling easier.
- Three-level electrode design, integrating punching and ablation performance

Bipolar Forceps

Product Description :

disposable plasma non-stick electrosurgical forceps are used with high-frequency surgical units (high-frequency electrotome) to realize electrocoagulation of tissues in bipolar working mode. This product is mainly used in neurosurgery, spine surgery, orthopedics, cosmetology and other surgeries.

Electrical Specifications :

Working Frequency	0.3MHz -1.0MHz
Polarity	Bipolar
Rated Voltage	500V
Power Plug	2-pin Plug

Irrigation Forceps
DNBP-A



Reusable Forceps
WTT-1A





Hemostasis Ablation Electrode



Main Features

- Biocompatible Material, latex free in construction;
- Ratchet handles are designed ergonomically which comfortably fit into the surgeon´s hand;
- Well balanced and highly polished tips aids fine control;
- 5 time autoclave;
- The tip length : 10mm (+/-4mm);
- The handle Length : 160/180/200/220/250mm(+/-10%).

Electrosurgical Pencils

Product Description :

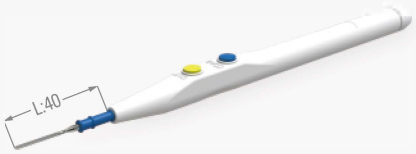
Electrosurgical pencil is a medical device using with various electrosurgical generators(units) for general surgeries. It is for ablation(fugurate), coagulation, cutting or dissection on biological tissue by the applying electric current.

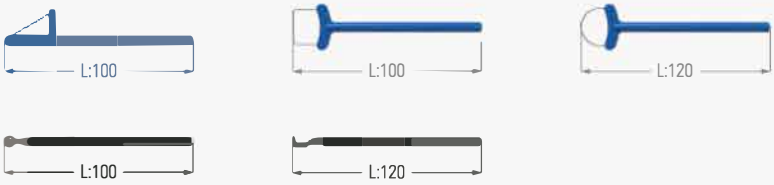
Electrical Specifications :

Working Frequency	0.3MHz -0.55MHz
Polarity	Monopolar
Rated Voltage	2500V
Power Plug	3-pin Plug

Model No. : **DS2**

Type : Tips (Probes) able to be Plug-and-pull





Working Length : 40 - 180mm **Tips Plug Dimmeter** : 2.5mm

Features

According to the various surgical requirements, it can be changed with the related probes by easy plug and pull design.

Model No. : **DS8**

Type : Tips (Probes) able to be telescopic





Working Length : 40 - 220mm

Features

Tips materials is optional with stainless steel and tungsten and effective working Length is continuously adjustable to meet surgical needs.

Model No. : **DSX1**

Type : Smoke Evacuation





Working Length : 100- 340mm

Features

It can be applied to Abdominal and Thoracic Surgery and it also can evacuate and suck the smoke generated during the operations to keep the surgical field of view clear.

Model No. : **DSX3**

Type : Tip is telescopic and Smoke Evacuationable





Working Length : 60 - 160mm

Features

The tip is telescopic and build in smoke evacuationable to make dissection and hemostasis more concise and convenient.