Surgical Applications (including but not limited to the departments listed) General Surgery, ENT & Heads & Neck Surgery, Thyroid Surgery, Mammary Surgery, Cardiothoracic Surgery, Orthopedics, Oncology Surgery, Neurosurgery, Pediatric Surgery, Obstetrics & Gynecology, Medical Plastic Surgery, Urology, Oral & Maxillofacial Surgery etc.

What doctors say?

patients!

be an influencing factor for local skin and nipple areola necrosis. Plasma Pencil can reduce thermal damage and tissue inflammation. Shorten the duration of hospital stay and reduce the cost of hospital stay for

Reconstruction of skin flap anatomy in breast-conserving surgery

damage to subcutaneous microvessels during the operation, which may

Studies have shown that traditional electrosurgery causes thermal

Plasma Pencil can reduce drainage volume and duration after breast surgery significantly.

Recommended surgery type Modified radical mastectomy Breast Conserving Surgery Breast reconstruction

Mammoplasty



my, compared to traditional electric cautery, low-temperature plasma scalpels significantly reduces the incidence of postoperative effusion.



Plasma Pencil is a optimal solution as surgical complexity of head and neck/maxillofacial tumor resection

 large area skin flap • A large number of operations on nerve and perivascula • Oral mucosal dissection is required for maxillofacial surgery Iarge skin incision

High Frequency Surgical Generator



Manufacturer: Beijing Taktvoll Technology Co., Ltd.

ES-200PK



Plasma Pencil (Monopolar Low-Temperature Plasma Scalpels)

Tonsillectomy Parotid Cyst/Carcinoma Resection • Excision of Huge Neck Mass

Recommended surgery type



10A-302, No.13 Jingsheng South 4th Street Jinqiao Science and Technology Industrial Base Zhongguancun Science and Technology Park Tongzhou District 101102 Beijing, China

Make Surgery More Precise And Least Invasive

Breakthrough on

Plasma electrosugery

Patented hydrophobic

and anti-stick

Temperature

Control

Plasma electrosurgery is a new technology that converts electrical energy from an electric current into a plasma. Through the dissociation of molecular bonds between tissues, plasma energy can achieve tissue resection while limiting damage to surrounding tissues and reducing surgical smoke. With technical capabilities in ablation, incision, coagulation and resection, plasma electrosurgery is increasingly practiced in a variety of medical specialties.



Plasma Pencil is an innovative disposable surgical cutting and coagulation plasma instrument that offer the precision of a scalpel and the bleeding control of traditional electrosurgery with reduced thermal damage.



Plasma Pencil (Plasma Scalpels)





Less thermal injury as 99.5% insulated electrode surface & Low-temperature Plasma Technology based on slit effect





Smoke-free • Clear surgical field and high safety • Harm-less from the smoke to operating room personnel.



Plasma Electrosurgery • Fully Adaption to general eletrosurgery generator; No need for saline as a medium, direct cut of skin.

General Solution Of





• 10-15um cutting edge (less than 1/2 of a hair), ensure the accuracy of cutting and avoid the occurrence of side damage; • Smooth cut and no adhension to achieve fluent and more accurate operation



Less bloody & Less eschar

 Reliable coagulation • Patented ceramic coating, its surface contact angle is 120°, super hydrophobic ability can ensure anti-stick performance.

Los actual index index table index and a pit spin and and

Low-temperature plasma technology of Plasma Pencil utilizes the slit effect to generate plasma at a lower voltage and frequency, which can be adapted to the high-frequency electrosurgical host to achieve the effect of plasma cutting, breaking the technical limitations of special host.



A variety of cutter heads to meet the delicate needs of different operations





