









RADIO FREQUENCY ELECTROSURGICAL DEVICE ST-501

The Symbol of Radio Frequency Surgical Unit









For the Operation

OB/GYN

General Surgery

Proctology

CS

OP. Room

ENT

Plastic Surgery

Urology

Dermatology

NS

os

Pain Clinic

Ophthalmology



More precise cutting and excellent coagulation than laser device, 4MHz(FDA, CE) radio frequency surgical unit!

Time select Function

- The innovative and new function enables user t
- The innovative and new function enables user to make more accurate and safer coagulation by time selection (continuous, 1sec, 1/2 sec, 1/4sec, 1/8sec).
- Brilliant ability on micro surgery and nerve block



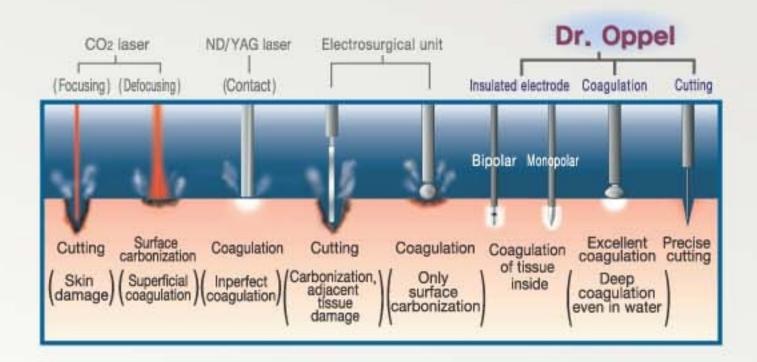
Features

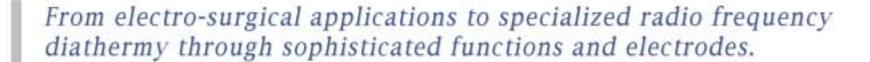
- Not being heated by itself, electrode lets the cellular tissue produce the Joule heat and operates Hemostasis, Cutting, and Coagulation.
- The radio frequency output of 4MHz
 - -The precise operation is capable,
 - By minimizing damage to the cellular tissue, the fast healing can be secured.
- Compact design with a great output power,
 - -700W peak power on 200 Q load.
- No odor and no smoke in operation.
- Coagulation depth is determined by electrode.
 - Ø 6mm semi-ball electrode: coagulation to the 5mm in depth
 - -Ø 4mm semi-ball electrode: coagulation to the 3mm in depth
 - Ø 3mm ball electrode: coagulation to the 2mm in depth

Uncopyable and unique function

- All functions can be carried out just by choosing the electrode and controlling the output power without any mode change such as pure cut, blended cut, coag, micro coag, etc.
- The excellent functions of Hemostasis and coagulation are performed even in the massive bleeding.
- Thanks to its low-voltage of radio frequency output, bringing up no electric spark, there is neither carbonization and nor damage to the surrounding cellular tissue.
- Safety can be secured because this system is free from electric shock and burn which current electric surgical units make.
- Durability and long life cycle,
- The great coagulation and cutting capabilities not only in the open surgery but also in the endoscopic surgery.
- Bipolar and monopolar function
- Various electrodes (Unlimited applications)

The distinctive functions from other electrosurgical units and lasers







OB/GYN

- · Conization or LLETZ
- · Cervical erosion
- · Condyloma
- Bartholinitis
- · Polyp removal
- · Cysts, tumors removal
- Laparoscopic surgery
- · Hysteroscopic surgery
- Precise operation with an operating microscope
 (Tubal reversal and
- vasovasotomy)
- · Treatment of umbilical cord
- · Bleeding control in C/S
- Vaginoplasty

Operating room/General Surgery/Proctology

- Internal hemorrhoids, external hemorrhoids
- Anal fissure, fistula, anal prolapse
- Periportal abscess
- · Nevus and freckle removal
- · Wart and corn removal
- · Condyloma, polyps removal
- Circumcision
- · Osmidrosis axilla
- · Hair root removal
- · Various open surgery
- Pure cutting, hemostatic cutting, coagulation, hemostasis
- · Various endoscopic surgery
- Pure cutting, hemostatic cutting, coagulation, hemostasis

ENT

- Snoring
- · Chronic hypertrophic rhinitis
- Tonsillectomy
- · Chronic tonsillitis
- Adenoidectomy
- · Exudative otitis media
- · Chorditis vocalis
- Hemostatic cutting, pure cutting, coagulation
- Hemostasis
- Epistaxis

Dermatology/Plastic Surgery/Urology

- Nevus and freckle removal
- Wart and corn removal
- Condyloma, polyp removal
- Osmidrosis axilla and hair root removal
- Volume reduction of masseter muscle
- Volume reduction of triceps brachii muscle
- · Telangiectasia
- Varix coagulation
- Hemostasis
- · Micro coagulation
- Volume reduction of gastrocnemius muscle
- · Skin incisions
- · Cosmetic repair
- · Endo surgery
- · Prostatomegaly coagulation
- Lifting of facial wrinkles

NS/OS/Pain Clinic

- Discoplasty using spinal needle (17 gauge)
- Radio frequency diathermy after discectomy with C-arm X-ray
- Endoscopic radio frequency diathermy after discectomy
- Revision surgery
- Endoscopic surgery (Incision, coagulation, hemostasis)
- · Open surgery
- Incision, hemostatic cutting, coagulation (Bipolar, monopolar), micro coagulation, micro cutting

- Various operations of NS
- Obstructive hydrocephalus, resection of small tumors, membranectomy, colloid cyst open, ventricle open
- · Various operation of OS
- Incision of meniscus, splitting lateral retinaculum, incision of synovial folds

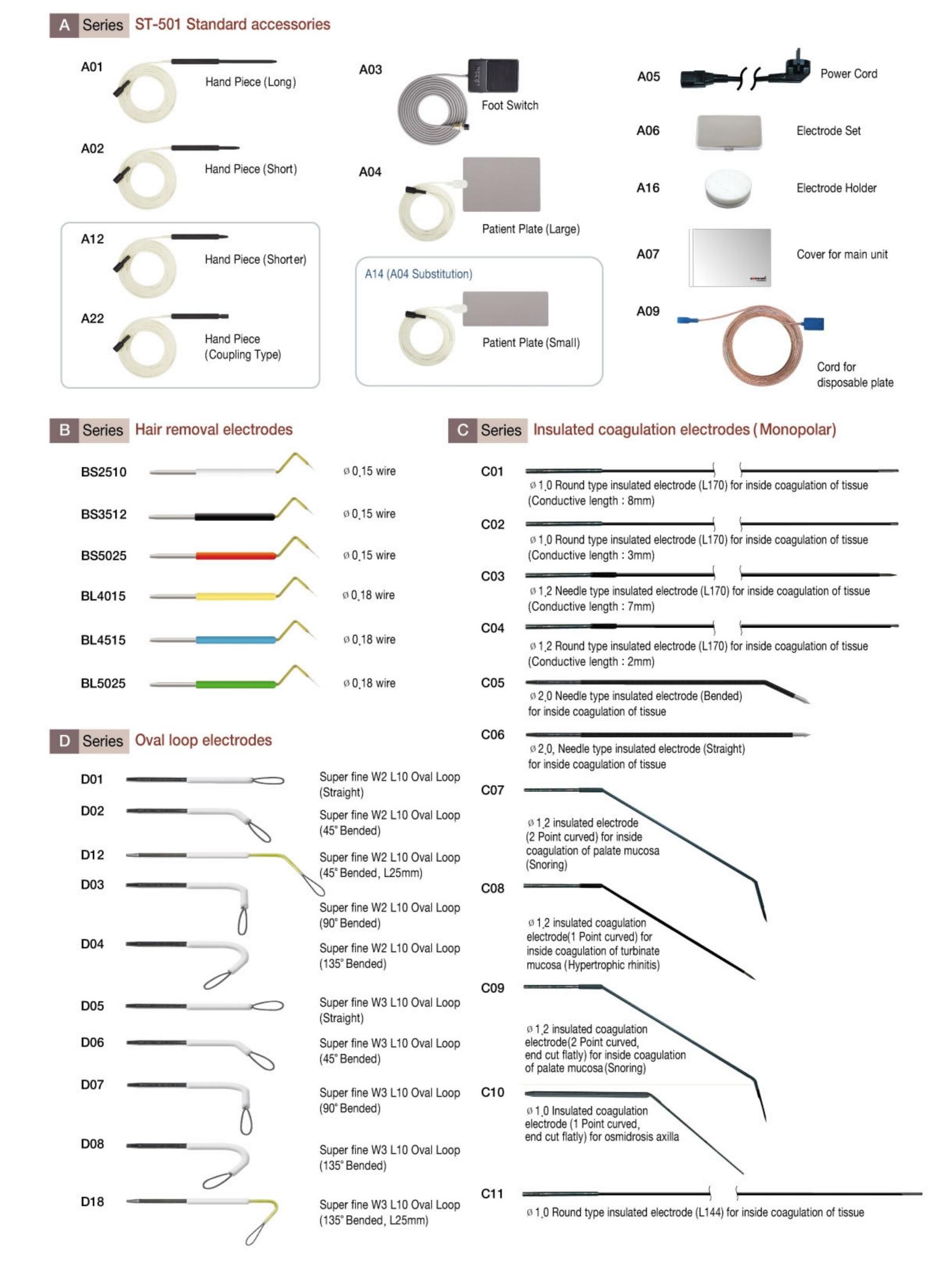
Ophthalmology (Ocular Plasty Surgery)

Blepharoplasty

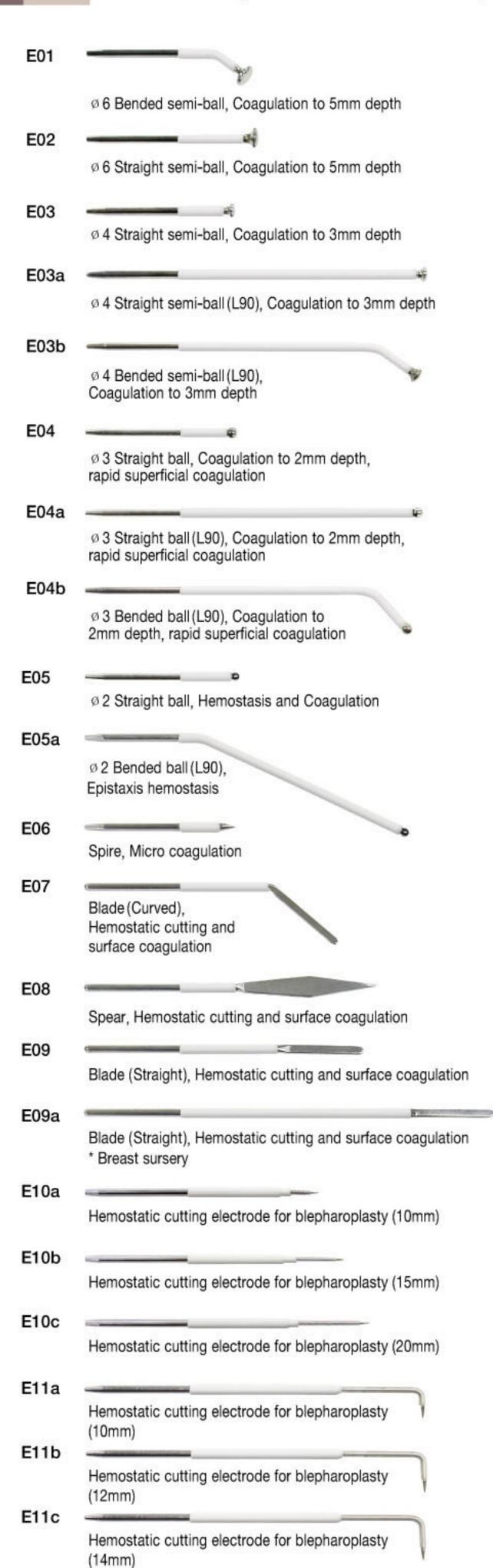
Blepharism

- · Dacryocystorhinostomy
- · Medial (Inner) canthus correction
- · Blepharectomy
- · Blepharophimosis

- Various accessories represent our great market experience.



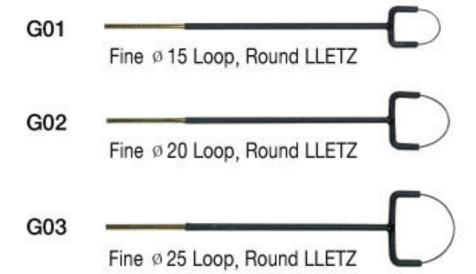
E Series Electrodes for coagulation and hemostatic cutting



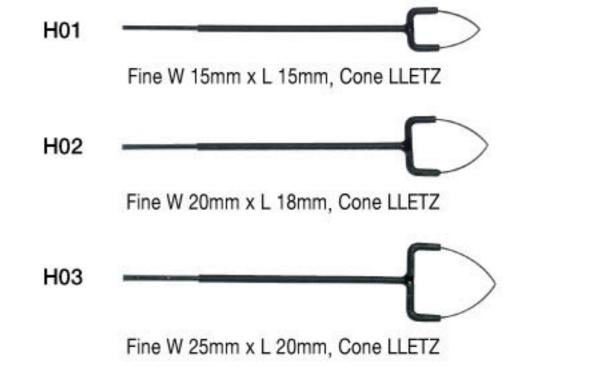
F Series Conization electrodes (Ø 0,25 Tungsten wire)



G Series Round LLETZ electrodes (Ø 0,25 Tungsten wire)

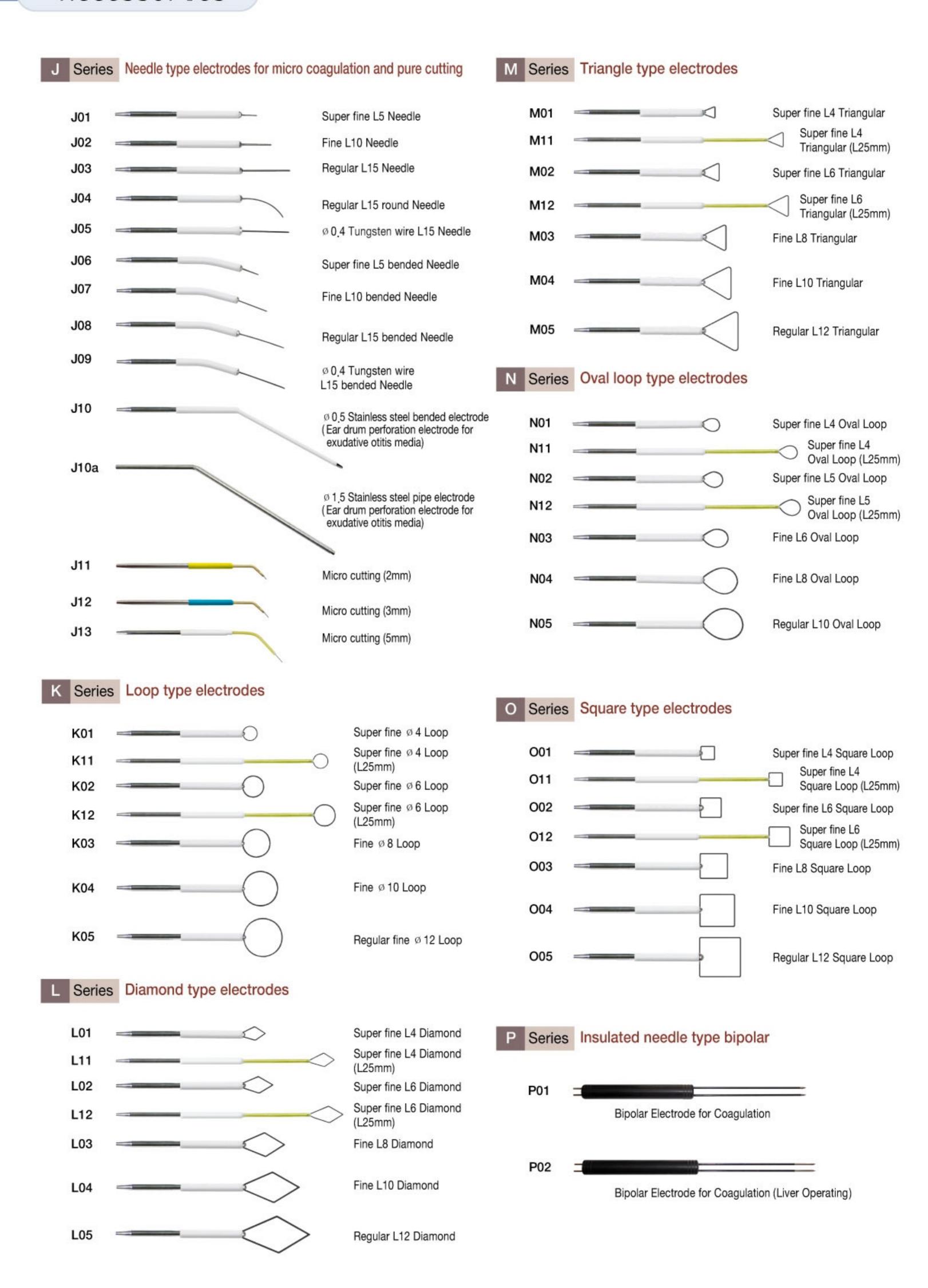


H Series Cone LLETZ electrodes (Ø 0,25 Tungsten wire)

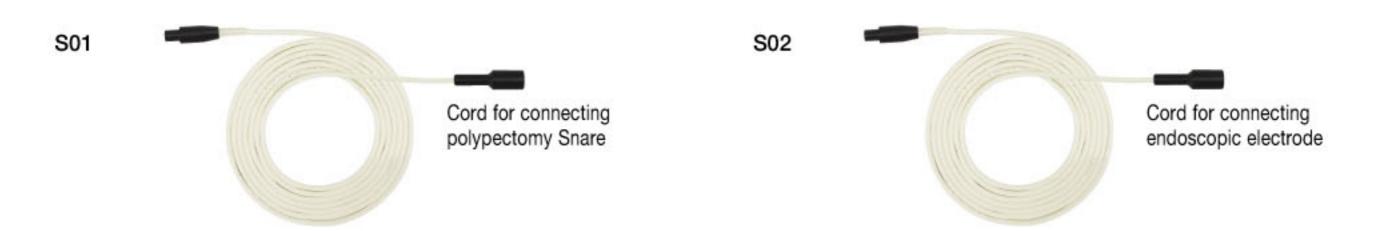


Series Bipolar cord, adaptor

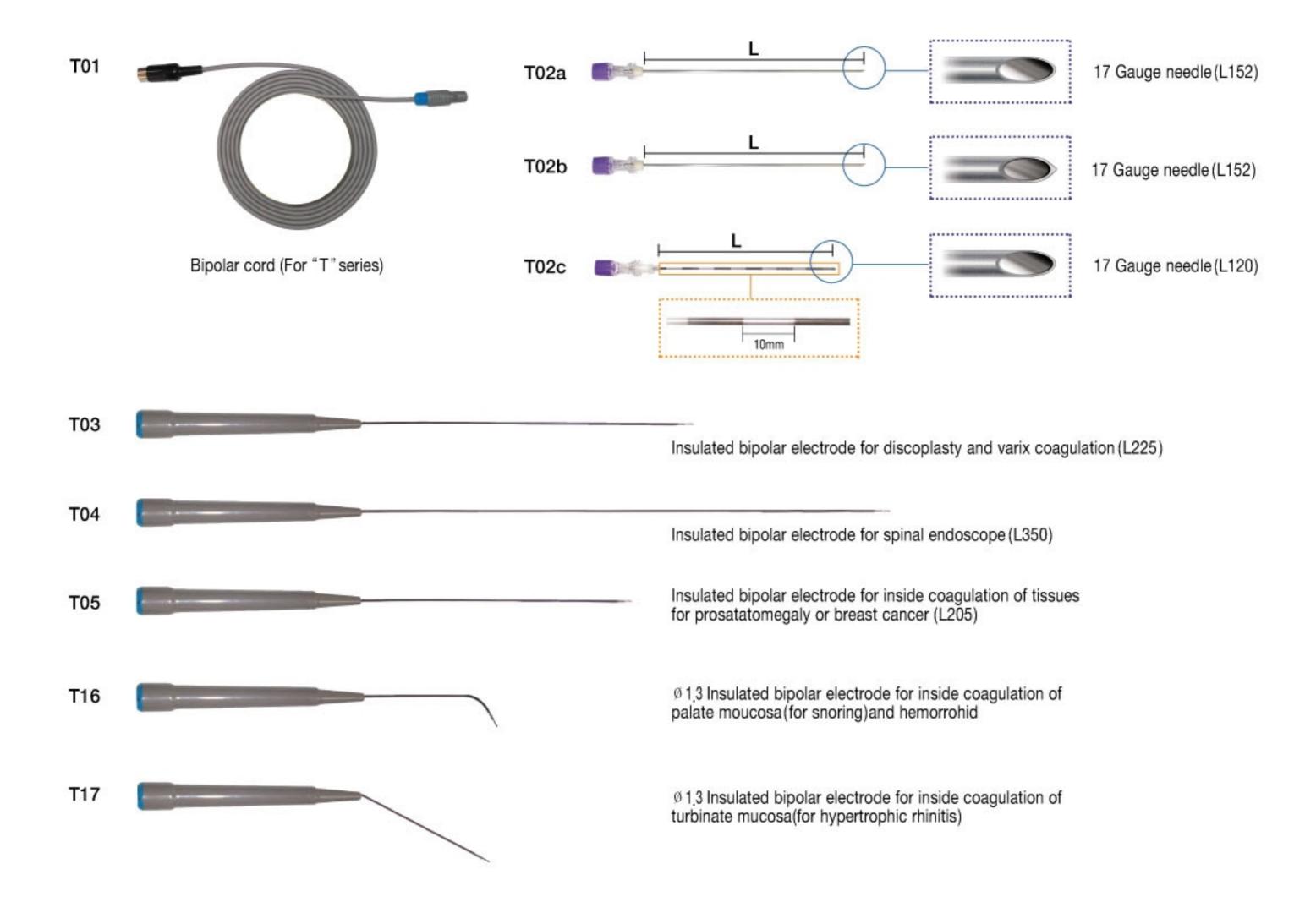




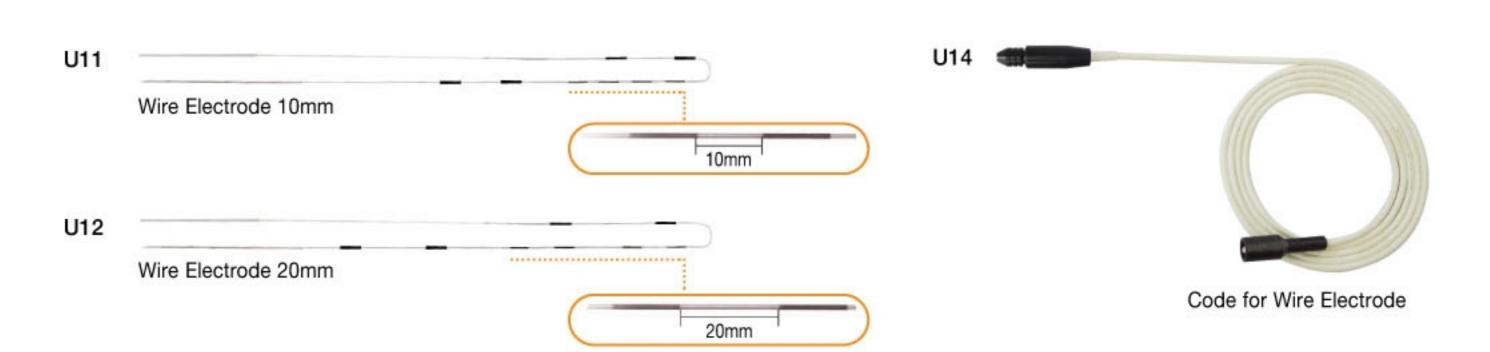
S Series Connecting cord



T Series Insulated bipolar electrode for coagulation (Disposable)



U Series Insulated electrode (L500) for significantly reducing the permanent frown line. (Coagulation length: 10mm, 20mm)





SPECIFICATION

MODEL NAME	Dr_Oppel ST-501
OUTPUT POWER	MONOPOLAR : 125W (Average power on 200 Ω load) 700W (Peak power on 200 Ω load)
	BIPOLAR : 50W (Average power on 200 Ω load) 350W (Peak power on 200 Ω load)
FREQUENCY	4MHz (FDA, CE)
INPUT VOLTAGE (Customer-Made)	100/110/120/220/230/240 VAC, 50/60Hz
TIME SELECTION	Continous,1sec, 1/2sec, 1/4sec, 1/8sec
POWER CONSUMPTION	450 VA + 10% under on maximum load
WEIGHT	10 kg
DIMENSION	Main Unit: 225(W) X 300(L) X 155(H)mm

^{*} The specification is changeable without notice for product improvement.









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