

SERVOTOME

New impulse in electrosurgery



Certification . . .

A new impulse

Electrosurgical units, in compliance with new standards and dental environment constraints, now require a conductive plate for a current return path, placed in direct contact with the patient's skin for more security.

SATELEC®'s choice for a bracelet system is the best compromise for safety and convenience:

- Easy to install to enhance patient acceptance,
- Conductive (in direct contact with the patient's skin),
- Easily disinfected,
- Adjusted to a contact region with a low resistance,
- Perfect size to avoid concentration of heat.

30 watts is enough

Decreased Wattage for greater efficiency. This bracelet can concentrate the current at a given point offering:

- Controlled power,
- More reliable and reproducible settings,
- High performance and better yield,
- Less energy loss.

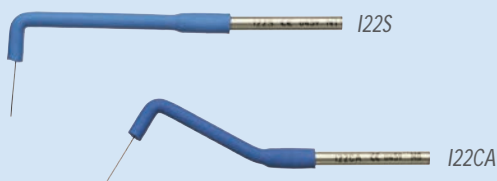


Electrodes

Classification of electrodes according to their size and hemostatic capacity

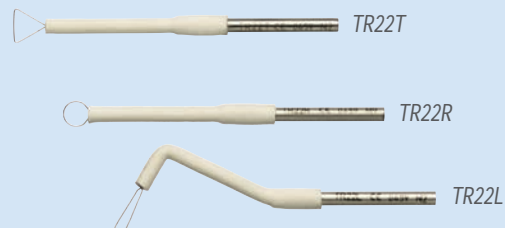
Incision

Ø 0.22mm



Excision

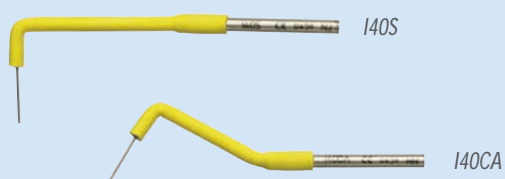
Ø 0.22mm





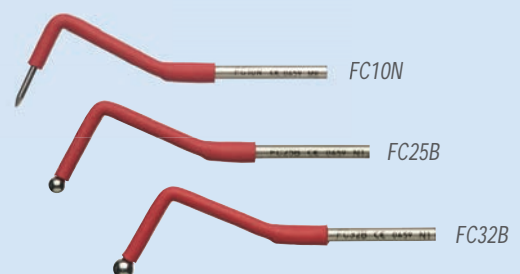
Coagulating incision

Ø 0.40mm



Fulguration and coagulation

Ø 1mm / Ø 2.5mm / Ø 3.2mm



Electrosurgery by Satelec®

Perform oral surgery on soft tissue quickly, precisely and safely

Unique, incision depth and coagulation can be controlled separately



- Perfect control of treatment (limiting the risk of burning the tissues)
- Efficient control of bleeding allows excellent visibility of the treatment area

Current quality (fully rectified and filtered)

- Minimally invasive: fine and even cut with no side effects
- Good-quality healing



Only two potentiometers

- Easy to use
 - Incision: 
 - Coagulation: 
- Extremely responsive settings

Reliable and compact unit

- Very compact
- User-friendly for a fast set-up

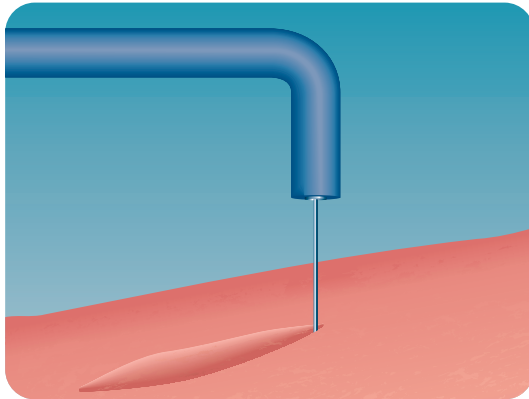
Lightweight, electrode holder

- Simple-to-mount electrodes
- Autoclavable

Techniques of use

Electrosection

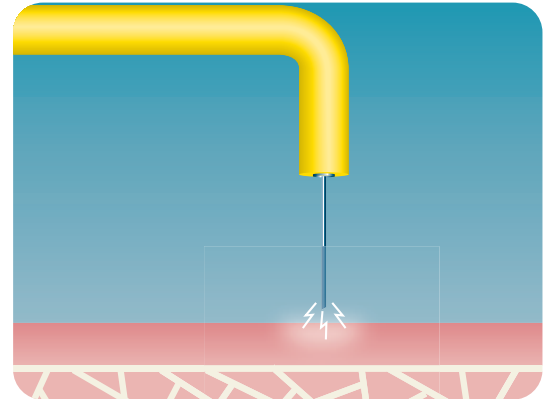
Vaporizing the tissue with the active electrode makes it possible to cut quickly without damaging the edges of the incision.



Incision

Fulguration

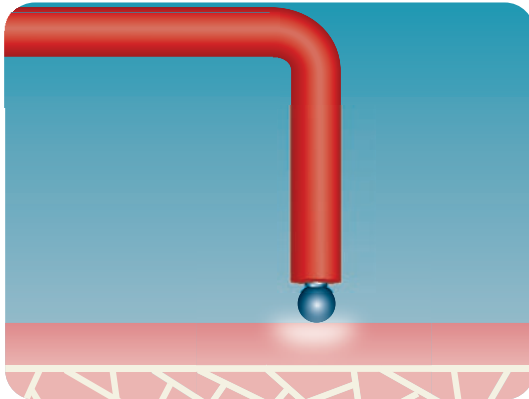
Makes it possible to surface coagulate gingival tissue while protecting the underlying layer.



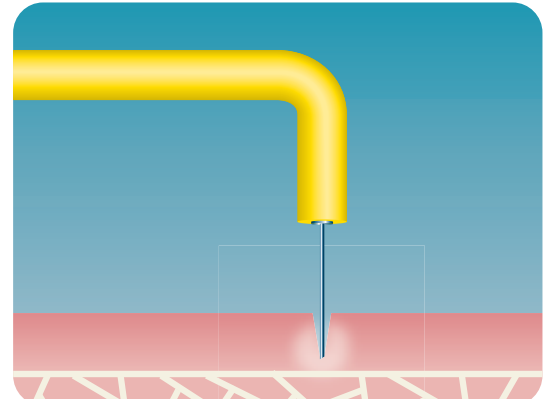
Fulguration

Coagulation

Concentrating energy at the surface of a massive electrode makes it possible to diffuse the heat to the surrounding tissue and produce instantaneous hemostasis.



Coagulation



Coagulating incision

The use of Servotome® offers:

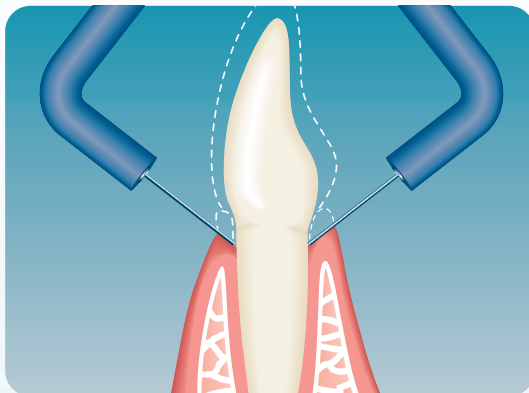
- The elimination of bleeding
- Reduced risk of cross contamination
- An extreme precision
- Less tissue dilapidation (cells volatilization)



Clinical cases

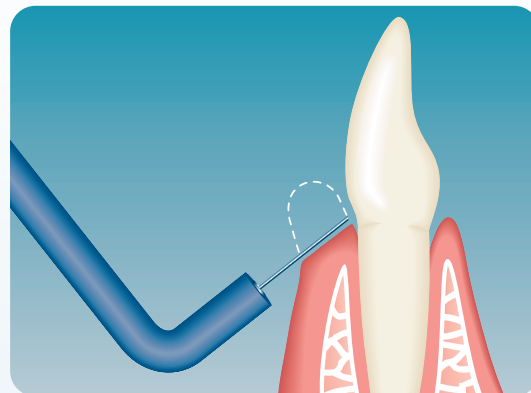
Gingival eviction

One of Servotome's best recommended uses; can easily be combined with the Expasyl® technique (Produits Dentaires Pierre Rolland®)



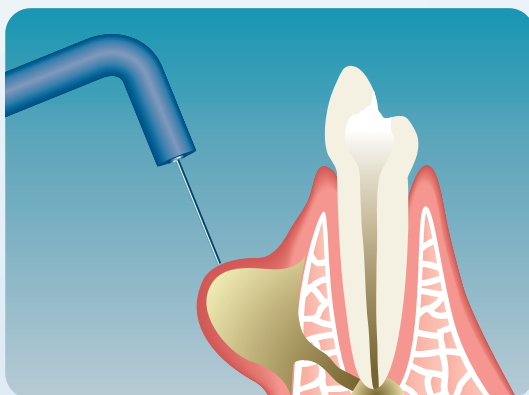
Gingivectomy

For extremely precise tracing of the ideal gingival line



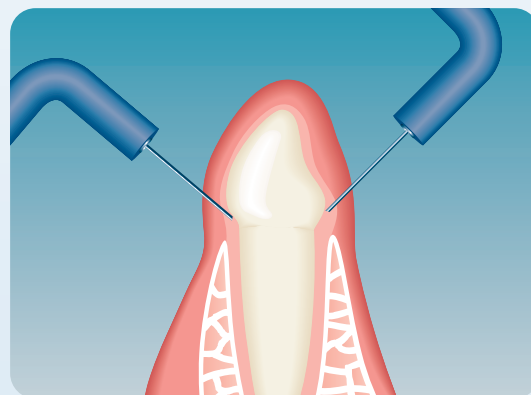
Abscess incision and drainage

Fast and deep treatment



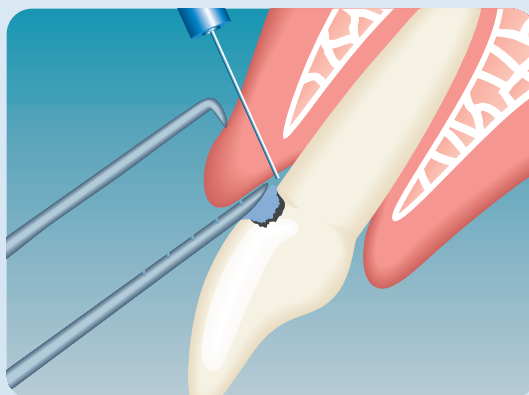
Exposure of impacted tooth

Circular incision for a clean and successful exposure



Dental neck exposure

Ideal for treating hidden decay



Areas of surgical application

Surgical application	Electrode(s) recommended									
	I22S	I22CA	TR22T	TR22R	TR22L	I40S	I40CA	FC10N	FC25B	FC32B
Oral surgery										
Gingival eviction	●	●								
Abscess incision and drainage	●	●				●	●			
Exposure of impacted tooth - operculectomy	●	●								
Removal of the pericoronal sac	●	●								
Hemostasis						●	●	●	●	●
Restorative dentistry										
Dental neck exposure	●	●								
Exposure of fractured root	●	●				●	●			
Crown lengthening										
Elimination of hypertrophic gingiva			○	○	○		●			
Widening of sulcus	●	●				●	●	●		
Gingival modeling of edentulous crest			○			●	●			
Orthodontics										
Exposure of impacted tooth	●	●								
Frenectomy	●	●				●	●			
Crown lengthening for brackets placement	●	●				●	●			
Elimination of hypertrophic gingiva	●	●	○	○	○	●	●		●	
Operatory dentistry										
Preparation of cavity for inlay before impression						●	●	●		
Frenectomy	●	●				●	●			
Periodontics										
Flap surgery	●	●								
Gingivectomy	●	●	○	○		●	●			
Gingivoplasty	●	●	○	○		●	●			
Stripping	●	●	○	○		●	●			

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SERVOTOME

Electrosurgery • Unit



Technical specifications

Servotome® is delivered with:

- A control footswitch and cord
- An earthed power supply cord (disconnectable)
- A light electrode holder (disconnectable and autoclavable)
 - + light silicone cord (disconnectable)
 - + box of 10 electrodes (autoclavable)
 - + conductive bracelet
 - + user's manual



Supply voltage:	115VAC - 230VAC - 50Hz / 60Hz
Electrical classification:	Class I, BF type
Power:	30W / 600Ω
Frequency:	1.2MHz +/- 0.2MHz
Size (WxHxD):	250x110x240mm
Weight:	1.2Kg

This medical device is manufactured according to current regulations and standards (IEC 60601-1) (IEC 60601-2-2) and according to certified ISO 13485 Quality Management System.