

Electrosurgery  
made simple

**SERVOTOME**  
Electrosurgery • Unit



# SERVOTOME

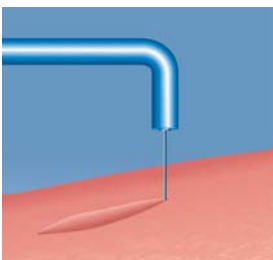
Electrosurgery • Unit



## Techniques

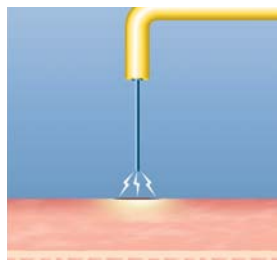
With Servotome you can benefit from electrosurgery in all situations

**Electrosection**, vaporizing the tissue with the active electrode makes it possible to cut quickly without damaging the edges of the incision



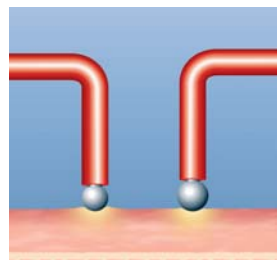
Incision

**Fulguration**, makes it possible to surface coagulate gingival tissue while protecting the underlying layer

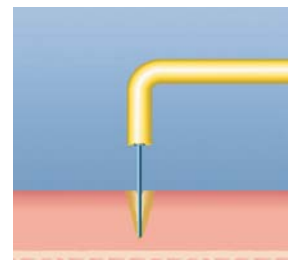


Fulguration

**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

# Electrosurgery by Satelec®

*Perform oral surgery on soft tissues quickly, precisely and in total safety*

## Advantages

### Incision and coagulation: combined or separately

The only high frequency scalpel on the market that enables incision depth and coagulation to be controlled separately

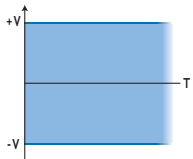


Incision



Incision and coagulation

### Fully rectified and filtered current



**A constant electric signal**  
Fully rectified and filtered + HF  
(radio frequency)

### High performance and very fine electrodes

Ten very fine, high energy concentration electrodes in various designs and diameters to address many clinical situations

### Reliable and compact

Very compact, user-friendly and ergonomic device with only two potentiometers - one to control incision and one for coagulation

### Lightweight, autoclavable electrode holder

The electrode is insulated by a sheath. Only the active part is in contact with the soft tissues

## Benefits

### Perfect control of treatment

- Less risk of burning the tissues
- Efficient control of bleeding allows excellent visibility of the treatment area

### Total respect of biological tissues

The perfectly controlled signal offers:

- a fine and even cut with no side effects
- good-quality healing

### A swift and precise surgical gesture

- Very wide choice of electrodes
- Numerous applications possible: gingival eviction, gingivectomy, incision of abscess, exposure of impacted tooth etc.

### So simple to use

- The settings can be very finely adjusted according to the different types of tissues encountered
- Very fast set-up

### Total security

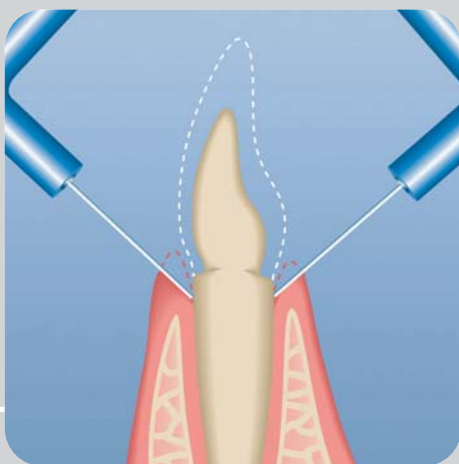
- Simple-to-mount electrodes
- Color coding of electrodes according to their hemostatic capacity



# Areas of surgical application

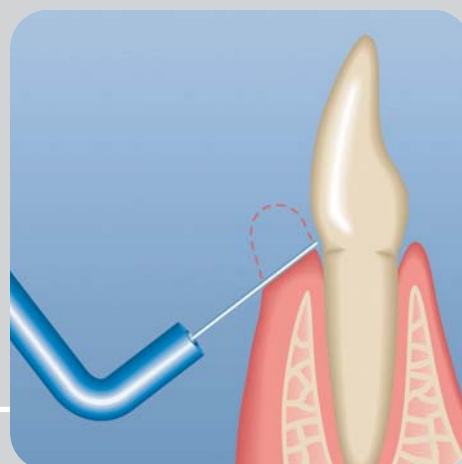
SURGICAL APPLICATION		ELECTRODE(S) RECOMMENDED									
		I22S	I22CA	TR22T	TR22R	TR22L	I40S	I40CA	FC10N	FC25B	FC32B
Oral Surgery	Gingival eviction	●	●								
	Abscess incision and drainage	●	●				●	●			
	Exposure of impacted tooth - operculectomy	●	●								
	Removal of the pericoronal sac	●	●								
	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	●	●	○	○		●	●			

## Clinical cases



### Gingival eviction

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



### Gingivectomy

For extremely precise tracing of the ideal gingival line



### Abscess incision and drainage

Fast and deep treatment of the

# Electrodes

Classification of electrodes according to their size and hemostatic capacity

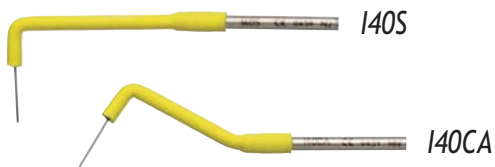
## Incision Ø 0.22 mm



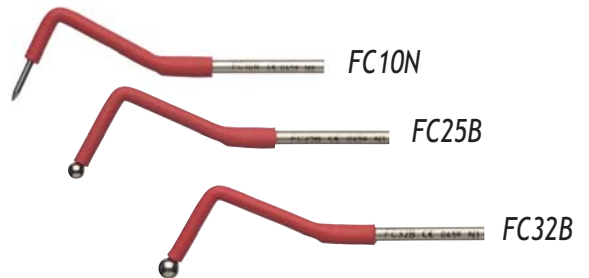
## Excision Ø 0.22 mm



## Coagulating incision Ø 0.40 mm

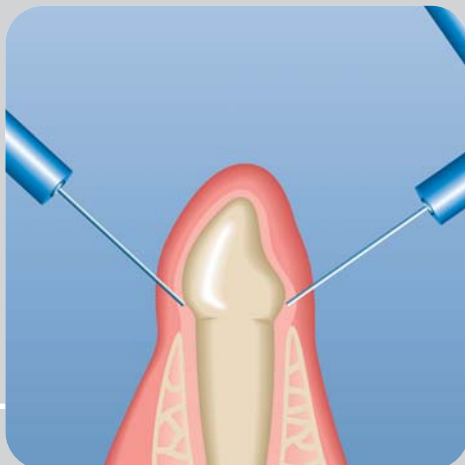


## Fulguration and coagulation Ø 1 mm / Ø 2.5 mm / Ø 3.2 mm



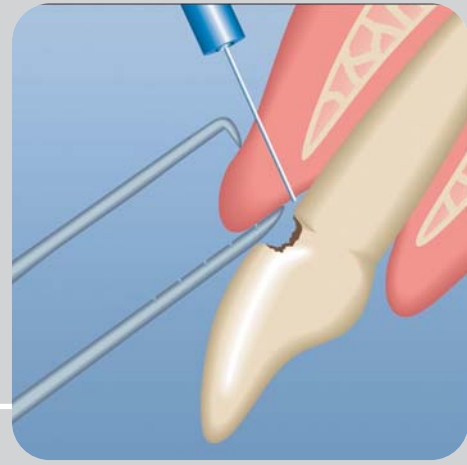
### Drainage

In this case



### Exposure of impacted tooth

Circular incision for a clean and successful exposure



### Dental neck exposure

Ideal for treating hidden decay

# Technical specifications

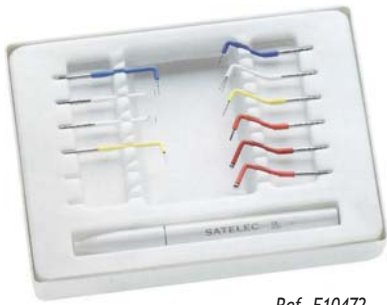
## Servotome is delivered with:

- A control footswitch and cord
- An earthed power supply cord (disconnects)
- A light gray electrode holder (disconnects and autoclaves)
  - + light gray silicone cord (disconnects)
  - + box of 10 electrodes (autoclavable)
  - + capacitive coupler
  - + user's manual

- Power supply: 230 VAC approx. (115 VAC approx. optional)
- Classification: I, type BF
- Power: 50 W / 375 Ω
- Frequency: 1.8 MHz ± 0.7 MHz
- Size: 250 x 240 x 110 mm
- Weight: 1.2 Kg

This medical device is manufactured in compliance with current regulations and Standard IEC 60601-1 in force.

This medical device is referenced as class IIa according to the European Directive relevant to Medical Devices.



Ref. F10472



Ref. F00485

ELECTRODE			INCISION + COAGULATION MINIMUM TO MAXIMUM						COAGULATION	FULGURATION
			■ = 1	■ = 2	■ = 4	■ = 6	■ = 8	■ = 10		
I22S	I22CA		▲ = 3	▲ = 3/4	▲ = 3/4	▲ = 4/5	▲ = 5/6	▲ = 5/6		
TR22T	TR22R	TR22L	▲ = 4	▲ = 4/5	▲ = 4/5	▲ = 5	▲ = 5/6	▲ = 6		
I40S	I40CA		▲ = 3/4	▲ = 3/4	▲ = 4	▲ = 4	▲ = 5/6	▲ = 5/6		
FC10N									▲ = 5/6	
FC25B	FC32B							▲ = 5	▲ = 6/7	



Incision

Coagulation

