

Electrosurgery
made simple

SERVOTOME
Electrosurgery • Unit



SERVOTOME

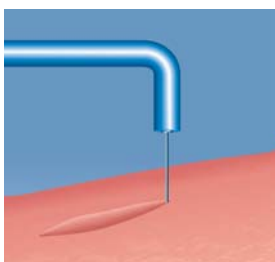
Electrosurgery • Unit



Techniques

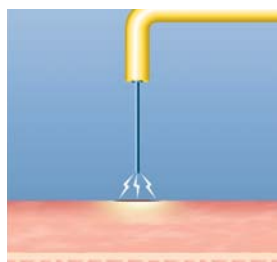
With Servotome you can benefit from electrosurgery in all situations

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



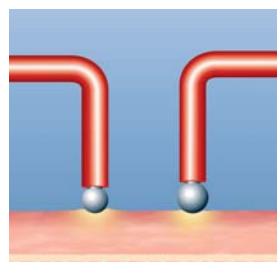
Incision

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

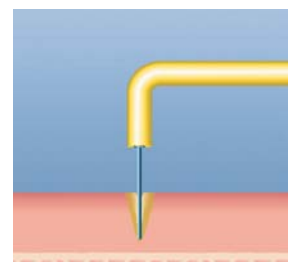


Fulguration

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

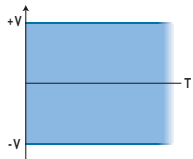


Incision



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

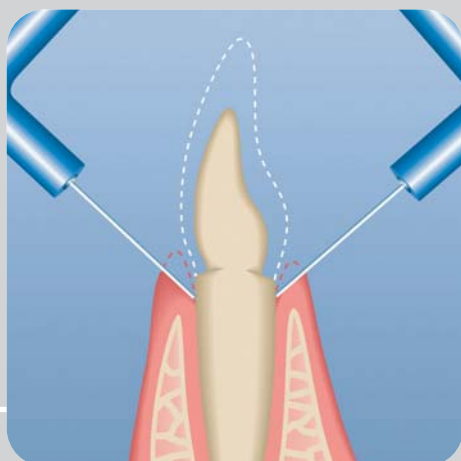
- Simple-to-mount electrodes
- Color coding of electrodes according to their hemostatic capacity



Areas of surgical application

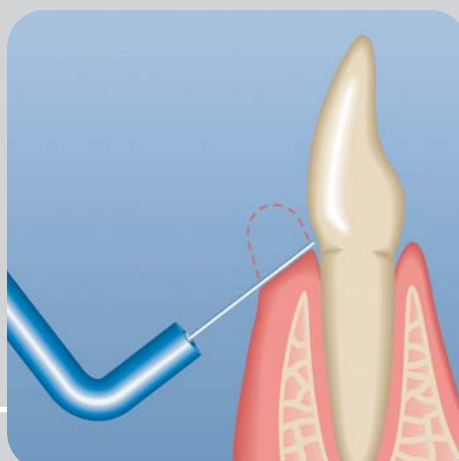
SURGICAL APPLICATION		ELECTRODE(S) RECOMMENDED									
		I22S	I22CA	TR22T	TR22R	TR22L	I40S	I40CA	FC10N	FC25B	FC32B
Oral Surgery	Gingival eviction	●	●								
	Abscess incision and drainage	●	●				●	●			
	Exposure of impacted tooth - operculectomy	●	●								
	Removal of the pericoronal sac	●	●					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

Electrodes

Classification of electrodes according to their size and hemostatic capacity



Incision Ø 0.22 mm



I22S



I22CA



**Coagulating incision
Ø 0.40 mm**



I40S



I40CA



Excision Ø 0.22 mm



TR22T



TR22R



TR22L



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



FC10N



FC25B

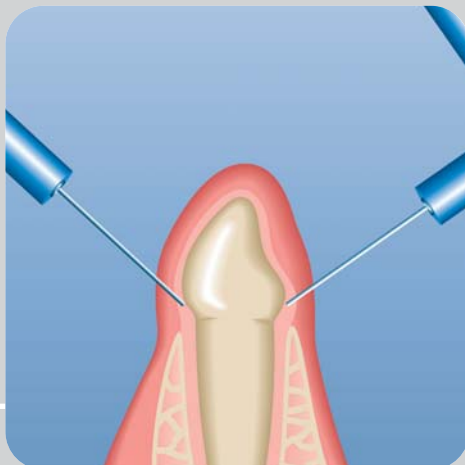


FC32B



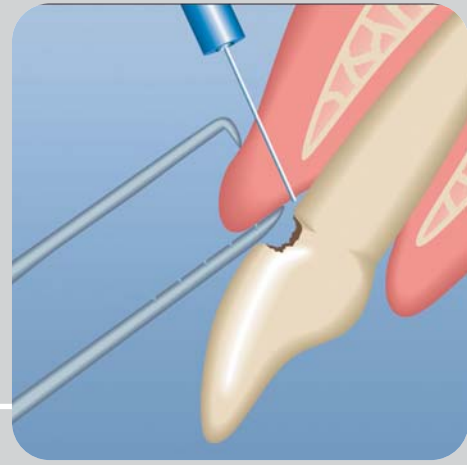
and drainage

this case



Exposure of impacted tooth

Circular incision for a clean and successful exposure



Dental neck exposure

Ideal for treating hidden decay

Technical specifications

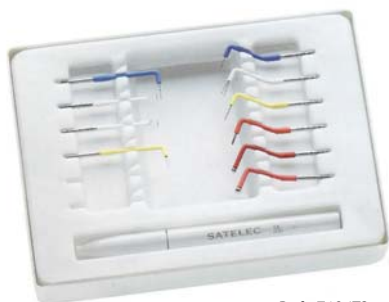
Servotome is delivered with:

- 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 $\pm$ 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						INCISION + COAGULATION MINIMUM TO MAXIMUM						COAGULATION		FULGURATION	
			■ ■ ■ = 1	■ ■ ■ = 2	■ ■ ■ = 4	■ ■ ■ = 6	■ ■ ■ = 8	■ ■ ■ = 10	■ ■ ■ = 1	■ ■ ■ = 2	■ ■ ■ = 4	■ ■ ■ = 6	■ ■ ■ = 8	■ ■ ■ = 10	■ ■ ■ = 1	■ ■ ■ = 2	■ ■ ■ = 1	■ ■ ■ = 2
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

