

30 years already!

Over thirty years ago, SATELEC pioneered the piezo-ceramic ultrasonic scaler. As a result of collaborating with dental professionals worldwide, we are proud to offer today the most advanced ultrasonic scaling devices and a variety of more than 70 inserts encompassing all ultrasonic applications (including endodontic and apical surgery procedures). All our scalers work on the piezo principle. Piezo means smooth, quiet and more comfortable vibration. By utilizing only one handpiece, the powerful and compact **Suprasson® P5 Booster** removes deposits with increased patient comfort and reduced operator fatigue - all in less time.

Daily hygiene procedures are often strenuous and time consuming. The piezo scaling technique is like using a hand instrument, but without the effort!

Incorporating the routine use of ultrasonics is the backbone of periodontal treatment. Hygiene maintenance is deliverable in less time, maximizing production and reducing the number of patient appointments.



## Technical specifications

### 51.1.

Supply voltage: . . . . .	110 V- or 220/230 V- 50/60 Hz
Equipment classification: . . . . .	Class II - BF type
Operating conditions: . . . . .	Intermittent duty 5min / 10min
Max. power consumption: . . . . .	40 VA
Vibration frequency: . . . . .	27 to 32 kHz
Water pressure: . . . . .	1 to 5 bar (15 to 73 psi)
Overall dimensions: . . . . .	Height 60 mm
. . . . .	Width 155 mm
. . . . .	Depth 150 mm
Weight: . . . . .	1.2 kg

## References

Autoclavable handpiece: . . . . .	F12200
Universal wrench: . . . . .	F00406
Easy Torque M: . . . . .	F01400
Easy Torque C: . . . . .	F01405

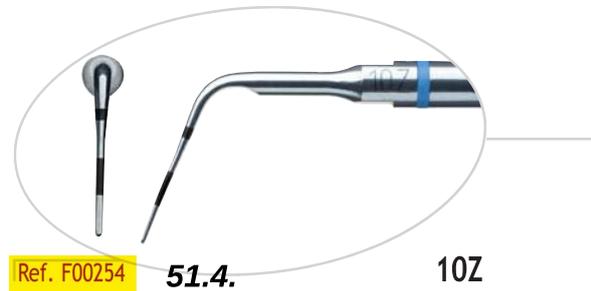
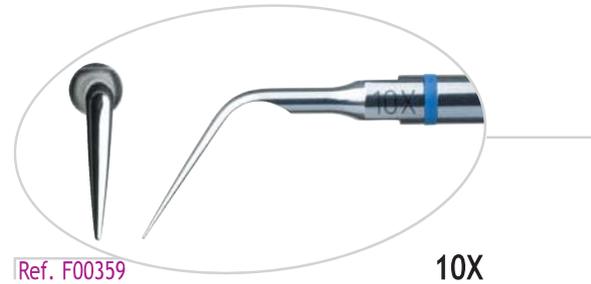
*Manufactured in compliance with regulations in force 93/42/EEC.*



# Scaling tips

These four supra- and sub-gingival scaling tips are ideal for treating commonly encountered cases (pockets <3-4mm). All tips come with the new Spray Control System (Satelec exclusive).

The tip must be oriented tangentially to the surface being treated and must be moved in a back-and-forth sweeping motion, over the whole surface, without excessive lateral pressure. Removing thick deposits may require using the Boost mode for short periods. (19)



## POWER SETTINGS

		P-Max Newtron Prophy Max Newtron	P5 Newtron	SP Newtron	Suprasson P5 Booster
<b>51.2.</b>	No. 1 tip	8 to 10	14 to 15	7 to 8	7 to 9
	No. 2 tip	8 to 10	14 to 15	7 to 8	7 to 10
	No. 10X tip	6 to 8	12 to 14	6 to 7	7 to 8
<b>51.4.</b>	No. 10Z tip	6 to 8	12 to 14	6 to 7	7 to 8



### 51.2.

**No. 1 tip: "Universal".** Recommended for treating simple cases and gross supra-gingival scaling. Tangential orientation with respect to the tooth surface. To-and-fro sweeping motion to "push" and "pull" calculus without damaging the enamel.

**No. 2 tip: "Voluminous calculus".** Recommended for removing voluminous supra-gingival deposits. Apply flat end to surface of teeth.

**No. 10X tip: "Interproximal".** Recommended for the treatment of interproximal spaces and for supra-gingival scaling. Anatomic shape allows quick, efficient hand movements.

### 51.4.

**No. 10Z tip: "Sub-gingival".** New design for the 10Z for sub-gingival scaling, this instrument is recommended for scaling medium pockets (<4mm). The new version is more powerful as its amplitude has been increased by 75% and the working edges are longer.

Color Coding System - Newtron Technology  
Identification of power modes by color coding.

51.2.  
51.4.

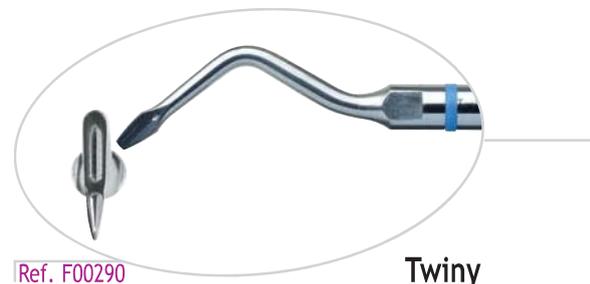


# Scaling tips

The tip must be oriented tangentially to the surface being treated, parallel to the main axis of the tooth, and must be moved in a back-and-forth sweeping motion without excessive lateral pressure. Begin the treatment at the center of the dental face. Push or pull the calculus towards the mesial and distal margins.

The Twiny® is a patented tip with remarkable versatility. It greatly reduces scaling time and removes pathogen toxins without damaging the cementum. The Twiny is recommended for both supra- and sub-gingival scaling. (14)

Thick deposits may require using the Boost mode for short periods.



## POWER SETTINGS

	P-Max Newtron Prophy Max Newtron	P5 Newtron	SP Newtron	Suprasson P5 Booster
<b>51.3.</b> No. 1-S tip	8 to 10	14 to 15	7 to 8	7 to 10
No. 3 tip	8 to 10	14 to 15	7 to 8	7 to 8
No. 10P tip	8 to 10	14 to 15	7 to 8	7 to 8
Twiny tip	8 to 10	14 to 15	7 to 8	7 to 10



### 51.3.

**No. 1-5 tip: "Slim".** This tip was developed for supra- and sub-gingival scaling. It has improved load resistance, and superior amplitude and power compared to the original tip. The more effective lateral edges make it particularly suitable for scaling the interproximal spaces.

**No. 3 tip: "Stains".** For removing discolorations and stains (tobacco, tea, coffee, etc.). The tip is used by placing the rounded end in contact with the surface to be treated.

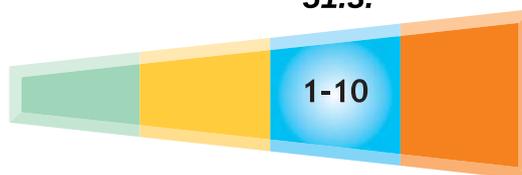
**No. 10P tip: "Shallow pockets".** Fine tip designed for scaling shallow pockets (<2-3mm). It provides greater irrigation than the other tips.

**Twiny tip: "Double spray".** Very powerful "surface" tip. The concave, symmetrical surfaces amplify the cavitation effect. It can be used to remove large deposits, polish treated surfaces, and irrigate pockets thanks to its double spray (pockets <3mm).

Color Coding System - Newtron Technology  
Identification of power modes by color coding.

51.3.

1-10



# Perio mini-tips

These mini-tips make it possible to perform a full-mouth periodontal debridement treatment. All the tips have a universal curette shape. The distal surface of the last segment is at a 90° angle to the shaft. The end of the mini-tip has a quarter-loop to prevent blunt trauma. The double guiding edges remove calculus and deposits with no risk of damage to connective fibers. (8, 9, 10)

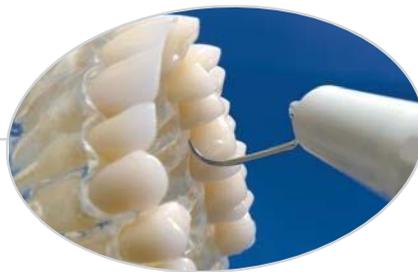
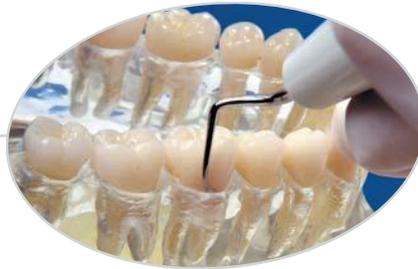
H4 tips are designed for sub-gingival scaling, non-surgical treatment of deep, narrow pockets (>4-6mm), and open treatments (flap surgery). Low pressure combined with a very low amplitude provide tactile sensitivity unequalled by any other ultrasonic tip.

The mini-tips operate in the opposite direction to manual curettes (ie. using a push stroke without scraping). They should be moved from the sulcular opening towards the bottom of the pocket without excessive lateral pressure (0.3 to 0.5N). The calculus is removed by methodically crisscrossing all root surfaces, while the biofilm is mechanically disrupted and eliminated by irrigation. Residual deposits are removed from pockets and cementum surfaces are decontaminated by the bacteriostatic effect of the micro-cavitation. (5, 8, 9)



## POWER SETTINGS

		P-Max Newtron Prophy Max Newtron	P5 Newtron	SP Newtron	Suprasson P5 Booster
<b>51.5.</b>	H3 tip	1 to 5	1 to 2	1 to 2	1 to 4
	H4L tip	1 to 5	1 to 2	1 to 2	1 to 4
	H4R tip	1 to 5	1 to 2	1 to 2	1 to 4



### Tip equivalents

- **H3:**  
Anterior teeth and premolars. Replaces manual curettes nos. 1-2, 3-4, and 5-6.
- **H4L and H4R:**  
Premolars and molars. Replace manual curettes nos. 7-8, 9-10, 11-12, and 13-14.

**51.5.**

### 51.5.

**H3 tip: "Anterior teeth".** Ideal tip to begin with, for the treatment of anterior teeth. The guiding edge is used parallel to the pocket.

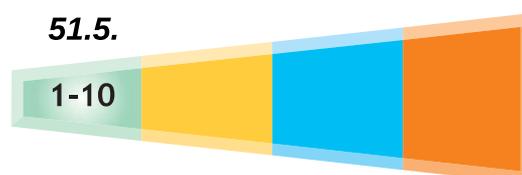
**H4L tip: "Premolars and molars".** First tip in the sequence. Left angled. Recommended for the treatments of all surfaces and furcations:

- **Mandibular:** The lingual and mesial surfaces of sector 3, then the buccal and distal surfaces of sector 4. Pivoted at 43.
- **Maxillary:** The buccal and distal surfaces of sector 1, then the palatal and mesial surfaces of sector 2. Pivoted at 13.

**H4R tip: "Premolars and molars".** Second tip in the whole-mouth sequence. Right angled. Follows the H4L tip in the treatment sequence. Recommended for the treatment of all surfaces and furcations:

- **Mandibular:** Buccal and distal surfaces of sector 3, then lingual and mesial surfaces of sector 4. Pivoted at 43.
- **Maxillary:** The buccal and distal surfaces of sector 1, then the palatal and mesial surfaces of sector 2. Pivoted at 13.

Color Coding System - Newtron Technology  
Identification of power modes by color coding.



# Tips

Mastering ultrasound does not stop at devising generators and control software, it also means designing the appropriate accessories that will give them optimum vibration power and guarantee their reliability.

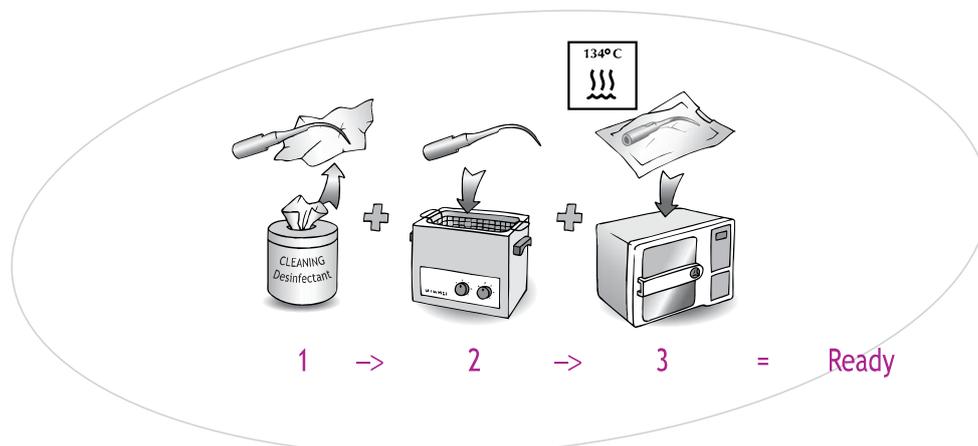
Our instruments are made from the best alloys, exclusive to **Satelec**, using patented procedures.

We offer you a range of different coatings (diamond, thermal treatments) or materials (carbon) so you can choose the most suitable and efficient instrument for each material, giving you better performance.

**Satelec's** expertise in tuning all its ultrasonic instruments is second to none. Our transducers are probably the best in the world and certainly the only ultrasonic motors capable of driving all these tips at maximum performance, whatever their type or composition.

## Advantages

- **Corrosion resistant:** the steel alloy we have chosen does not corrode and is resistant to decontamination products as well as to irrigation solutions. **51.2.**  
**51.3.**  
**51.4.**  
**51.5.**
- **Tensile strength:** the manufacturing procedures are designed, and the tensile properties adjusted, to suit the treatments for which they are intended.
- **Sterilization:** the tips are suitable for autoclave sterilization, to comply with ISO-11134, as are the handpieces and accessories (wrenches, storage kits, etc.): **51.2.**  
**51.3.**  
**51.4.**  
**51.5.**  
Temperature: 134°C;  
Pressure: 2 bars (29 P.S.I.);  
Sterilization time: 18 minutes.



Certification  
Médical-Santé  
Notified Body N° 0459

## ATTESTATION CE / EC CERTIFICATE

Approbation du Système Complet d'Assurance Qualité / Approval of full Quality Assurance System  
ANNEXE II excluant le point 4 Directive 93/42/CEE relative aux dispositifs médicaux  
ANNEX II excluding section 4 Directive 93/42/EEC concerning medical devices  
Pour les dispositifs de classe III, un certificat CE de conception est requis  
For class III devices, a EC design certificate is required

Fabricant / Manufacturer

**SATELEC**  
A Company of ACTEON Group  
17 av. Gustave Eiffel  
BP 30216  
33708 MERIGNAC Cedex  
FRANCE

Catégorie du(des) dispositif(s) / Device(s) category

**Dispositifs médicaux et dispositifs électro médicaux pour l'art dentaire, l'électro chirurgie et les équipements de chirurgie des os et substituts osseux, avec leurs accessoires stériles et non stériles**

*Medical devices and electromedical devices for dental art, electrosurgery and bone and bone substitute surgery equipments, with associated sterile and non-sterile accessories*

Voir details sur addendum / See attachment for additional information

Le LNE/G-MED atteste qu'à l'examen des résultats figurant dans le rapport référencé P159650-1, le système d'assurance qualité - pour la conception, la production et le contrôle final - des dispositifs médicaux énumérés ci-dessus est conforme aux exigences de l'annexe II excluant le point 4 de la Directive 93/42/CEE.

*LNE/G-MED certifies that, on the basis of the results contained in the file referenced P159650-1, the quality system - for design, manufacturing, and final inspection - of medical devices listed here above complies with the requirements of the Directive 93/42/EEC, annex II excluding section 4.*

La validité du présent certificat est soumise à une vérification périodique ou imprévue.  
*The validity of the certificate is subject to periodic or unexpected verification.*

Début de validité / Effective date : July 28<sup>th</sup>, 2017 (included)

Valable jusqu'au / Expiry date : July 27<sup>th</sup>, 2020 (included)



On behalf of the Certification Director  
**Cécile VAUGELADE**  
G-MED Certification Division Manager

LNE – 21427 rev. 7  
Modifie le certificat 21427-6

**Identification des dispositifs / Identification of devices**

Désignation du dispositif / Accessoires marqués CE <i>Device designation / CE marked accessories</i>	Réf commerciale du dispositif ou code article <i>Device commercial reference or article code</i>	Code NBOG NBOG code	Classe du DM MD class
<b>Consoles de commande d'électrochirurgie avec leurs pièces à main et leurs électrodes d'électrochirurgie stériles et non stériles et leurs accessoires stériles et non stériles</b> <i>Electro surgery control consoles with handpiece holder, electrosurgery electrodes with associated sterile and non-sterile accessories</i>			
SERVOTOME, Electrode Holder, Neutral electrode, Active Electrodes: I22S – I22CA – TR22L – TR22R – TR22T – FC25B – FC32B – FC10N – I40S – I40CA	AB15	MD 1106	IIb
<b>Consoles de commande (ultrasonique, moteur) avec leurs accessoires stériles et non stériles destinées à la chirurgie des os et substituts osseux</b> <i>Control consoles (ultrasonic, motor) with associated sterile and non-sterile accessories for bone and bone substitute surgery</i>			
PIEZOTOME SOLO M+	PO27	MD 1104	IIb
PIEZOTOME M+	PO26	MD 1104	IIb
IMPLANTCENTER M+	PO25	MD 1104	IIb
PIEZOELECTRIC SYSTEM	PO22	MD 1104	IIb
<b>Pièces à main ultrasoniques dentaires stériles et non stériles</b> <i>Sterile and non-sterile dental ultrasonic handpieces</i>			
NEWTRON (Handpiece)	AG42	MD 1106	IIa
SUPRASSON (Handpiece)	AG42-01	MD 1106	IIa
NEWTRON LED (Handpiece)	AG46	MD 1106	IIa
NEWTRON SLIM (Handpiece) NEWTRON SLIM B.LED (Handpiece)	PBAE	MD 1106	IIa
<b>Pièces à main ultrasoniques de chirurgie intra-orale stériles et non stériles</b> <i>Sterile and non-sterile ultrasonic handpieces for intraoral surgery</i>			
PIEZOTOME LED (Handpiece) PIEZOTOME SOLO (Handpiece) CUBE LED (Handpiece)	PBE10	MD1106	IIa
<b>Pièces à main ultrasoniques destinées à la chirurgie des os et substituts osseux stériles et non stériles</b> <i>Sterile and non-sterile ultrasonic handpieces for bone and bone substitute surgery</i>			
PIEZOTOME M+ LED (Handpiece)	PO42	MD 1104	IIb
PIEZOELECTRIC SYSTEM (Handpiece)	PO22-01	MD 1104	IIb
<b>Pièces à main d'aéropolissage dentaire stériles et non stériles et leurs accessoires stériles et non stériles</b> <i>Sterile and non-sterile Dental air polishing handpiece with associated sterile and non-sterile accessories</i>			
AIR-N-GO EASY	PAC007	MD 1106	IIa
PROPHYPEN	AC20-01	MD 1106	IIa

**LNE/G-MED**
**0459**

 On behalf of the Certification Director  
**Cécile VAUGELADE**  
 G-MED Certification Division Manager

ADD

720 DM 0701-31 rev 5 du 28/07/2015

**Identification des dispositifs / Identification of devices**

Désignation du dispositif / Accessoires marqués CE <i>Device designation / CE marked accessories</i>	Réf commerciale du dispositif ou code article <i>Device commercial reference or article code</i>	Code NBOG NBOG code	Classe du DM MD class
<b>Pièces à main moteur avec leurs accessoires stériles et non stériles destinées à l'art dentaire</b> <i>Motor handpiece with associated sterile and non-sterile accessories for dentistry</i>			
U.N.I MT	PF31	MD 1106	Ila
U.N.I MT.BL	PF34	MD 1106	Ila
Genius motor	PO68	MD 1106	Ila
<b>Pièces à main moteur avec leurs accessoires stériles et non stériles destinés à la chirurgie intra-orale et/ou des os et substituts osseux</b> <i>Motor handpiece with associated sterile and non-sterile accessories for intraoral surgery and / or bone and bone substitute surgery</i>			
I-SURGE I-SURGE LED	PF18	MD 1106	Ila
<b>Inserts dentaires stériles et non stériles</b> <i>Sterile and non-sterile dental tips</i>			
1 - 1S - 2 - 3 - 10X - 10P - 10Z	AG30	MD 0401	Ila
P14D - P15LD - P15RD - S12-70D - S12-90ND - S12-90D3 - S13LD - S13 RD - AS3D - AS6D - AS9D - ASLD - ASRD	AG31	MD 0401	Ila
ET18D - ETBD - ET20 - ET25S - ET20D - ET25L - S04 - ET25 - CAP1 - CAP2 - CAP3 - ET40 - ET40D - ETPR - OT1 - EC V04 1410 000 001 - V04 1410 000 002 - V04 1411 000 001 - V04 1410 000 003 - V04 1411 000 002 - V04 1411 000 003 - V04 1411 000 004 - V04 1411 000 005 - V04 1411 000 006 - V04 1412 000 000	AG80	MD 0401	Ila
5AE - C20 - PM1 - PM2 - PM3 - PM4 - PMS1 - PMS2 - PMS3 - EX1 - EX2 - EX3 - EXL - EXR - PMV1 - PMV2 - PMV3 - PMV4 - PMV5 - PMV6 - GI-1 - PMU1 - PMU2 - PMU3 - PMU4 - PMU5 - PMU6	AG31-EX	MD 0401	Ila
H1 - H2L - H2R - H3 - H4L - H4R - PH1 - PH2L - PH2R - PFU - PFL - PFR - P2L - P2R - TK1-1S - TK1-1L - TK2-1L - TK2-1R - IP1 - IP2L - IP2R - IP3L - IP3R	AG32	MD 0401	Ila
K10-21 - K15-21 - K25-21 - K30-21 - K10-25 - K15-25 - K25-25 - K30-25 - IRR 25/21 - IRR 25/25 - IRR 20/21 - IRR 20/25	AG81	MD 0401	Ila

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On behalf of the Certification Director  
**Cécile VAUGELADE**  
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