The PMR and PMS range of tips offers a real breakthrough in peripheral coronal preparations.

Because of how these instruments work, they bring a great deal of precision to the procedure thanks to the very fine tactile sense procured. They help achieve a very regular and perfectly polished finish line.

Furthermore, they cause absolutely no damage to the periodontal tissues, making the use of a gingival protection technique, such as the deflector cord, totally unnecessary. They can therefore be recommended in particular to adjust the finish line inside the sulcus and polish it, and as such are a tremendous asset to traditional preparation techniques using diamond burs.

Docteur Marc Sous
(Pau, France)
On the edge of perfection

With the new range of Satelec® ultrasonic instruments Perfect Margin, you have opted for a very high precision pre-prosthetics finish and the perfect preparation for your crowns.

Developed under the scientific supervision of practitioners and university lecturers, the PerfectMargin™ kit of which the first version was introduced in 2005, offers the possibility of gentle sulcus penetration to define the subgingival limits permanently. Thanks to the low amplitude of the PerfectMargin™ tips’ ultrasonic vibration, there is no bleeding and both the marginal gingiva and biological width are protected.

Each instrument has a coating, resulting from many years’ research, designed specially to prepare dental tissue wherever the use of a diamond bur would prove to be delicate.

Penetration in the sulcus can be visualized and gauged thanks to the laser marking at 1mm from the end of PM/PMS 1, 2 and 3 tips offering the guarantee of totally safe and precise treatment.

The PerfectMargin™ range includes two kits:

- PerfectMargin™ Rounded, the end of the ultrasonic tips have the original quarter round shape;
- PerfectMargin™ Shoulder, ultrasonic instruments with a flat section and rounded edges.

The shoulder shape of the instruments in this new kit enable not only a better preparation of the cervical margin “lip”, but also a finer finish inside the sulcus.

When these instruments are used in conjunction with Satelec’s high-tech Newtron® piezo-electric ultrasonic generators, they procure a tactile sense that is not possible to achieve with a bur.

The PerfectMargin™ range of ultra-finishing instruments as part of the preparation protocol is the guarantee of a perfect fit and long life for your crowns.

We wish to thank the Drs Marc Sous, former University Assistant, and Jean-François Lasserre, Lecturer, at Victor Segalen University, Bordeaux; Prof. Yann Le Peticorps, University of Bordeaux 1; and Dr Gil Tirlet, Lecturer at Paris Descartes University, Prosthetics Dept., Biomaterials Dept., private practice, Paris, for their valuable scientific assistance in the development of this range of instruments.
**PM1**  Preparation - quarter round shape
Instrument with rounded end, 76µm diamond-coating.
First instrument in the ultrasonic sequence, after the rotary phase. Laser marking at 1mm from the end. Penetration of the sulcus to continue preparation of the dentine, and thus to prepare the finish line.
*Ref. F02250*

**PM2**  Finishing - quarter round shape
Instrument with rounded end, 46µm diamond-coating. Second instrument in the ultrasonic sequence. Laser marking at 1mm from the end. The diamond coating is less dense than the PM 1, enabling a sharp-edged finish. On the lowest ultrasonic power setting, it is used for polishing dentine.
*Ref. F02251*

**PM3**  Polishing - quarter round shape
This totally smooth instrument completes the finishing sequence by improving the surface condition of the cervical limit prior to impression taking. Laser marking at 1mm from the end.
*Ref. F02252*

**PM4**  Corono-radicular pre-shape
The conical taper and 46µm suited to corono-radicular fitting, as well as for small anatomical posts.
*Ref. F02253*

*Clinical cases courtesy of Dr. M. Sous*
PMS1 Preparation – shoulder shape with rounded internal angle
76µm diamond-coating. First instrument in the ultrasonic sequence, after the rotary phase. Laser marking at 1mm from the end. Penetration of the sulcus to continue preparation of the dentine, correct the “lip” and thus to prepare the finish line in a shoulder shape.
Ref. F02254

PMS2 Finishing – shoulder shape with rounded internal angle
46µm diamond-coating. Second instrument in the ultrasonic sequence. With its diamond coating that is less dense than on the PMS 1 and its laser marking at 1mm from the end, this instrument makes it possible to achieve a shoulder shape finish without harming the attachment system. On the lowest ultrasonic power setting, it is used for polishing dentine.
Ref. F02255

PMS3 Polishing – shoulder shape with rounded internal angle
This totally smooth instrument completes the finishing sequence by improving the surface condition of the cervical limit prior to impression taking. Laser marking at 1mm from the end.
Ref. F02256

Clinical case courtesy of Dr G. Tirlet
## Bibliographie


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