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PerioScan – DIAGNOSIS AND TREATMENT ALL-IN-ONE

The first ultrasonic unit with an integrated tactile perception.

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PerioScan – RELIABLE AND ACCURATE TREATMENT OF CALCULUS

Take the lead in periodontology!

Periodontology plays an increasingly important role in modern dental practices – that is why it is especially important to invest in a system which will remain relevant in the future. Even today the PerioScan provides you with ideal perspectives for the future: It is the first ultrasonic unit with a tactile perception. PerioScan not only removes calculus, but also detects it without harming the healthy tooth structure, accurately and reliably, even in subgingival regions. How? The coloured light on the Illuminator indicates whether or not a need for treatment exists. The risk of inadequate or excessive treatment is reduced considerably. And it often may be possible to avoid having to conduct a flap surgery. PerioScan – investment and innovation – from Sirona.

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PerioScan – PERFECTS PERIODONTAL TREATMENT

Familiar treatment methods – enhanced treatment results.

PerioScan gives you maximum of treatment safety at all times, because PerioScan can reliably differentiate between calculus and healthy root surface. Green light means "healthy root surface" and blue light indicates "calculus". You can complete all stages of the treatment with only one instrument and without having to change continually. The best thing is: You do not have to change your familiar and trusted treatment procedures.

All advantages at a glance:









Clear demonstration
The display provides more: it shows your settings and the tooth diagram changes colour to inform you about the presence of calculus. In addition, you can use the three educational pictures to explain the treatment to your patients.

Select your irrigation liquid
It is your choice: you can either use fresh water or one of the two alternative irrigation liquids (for example NaCl or CHX solution).

Choose the power setting
The accurately matched reduction capacity of the ultrasonic tip can be set or changed by a single step either before or during the treatment.

Free choice of tips, and rinse your water lines
Push the no. 1 button to activate detection, in case you wish to use other tips other than the SIROPERIO 4 PS.
Button no. 2 initiates a constant rinse to clean the water lines.

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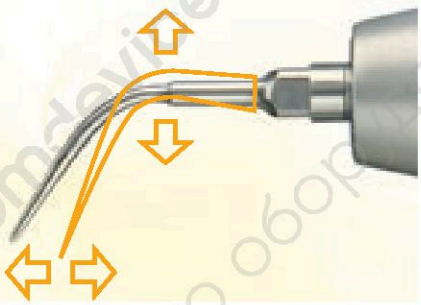
TECHNOLOGY THAT THINKS FOR ONESELF

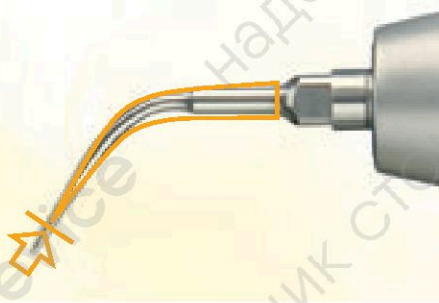
High technology to make your work easier.

Calculus does not have a chance against the innovative PerioSonic handpiece with its intelligent tip: When carrying out treatment in gingival pockets once the ultrasonic tip detects calculus, this diagnosis is indicated to you reliably as the lightring integrated into the handpiece will change colour. This supports your tactile perception perfectly while working subgingivally – for precise and gentle results.









High performance
The highly sensitive PerioScan scaler makes use of the physical oscillation pattern of the ultrasonic tip to analyse the surface substance, and the tooth material it is in contact with. Unlike conventional methods, PerioScan analyses more than just the surface structure.

Reliable diagnosis
PerioScan's outstanding feature is the distal end of the tip. During removal, it oscillates back and forth up to 30,000 times per second. If the distal end of the tip has correct contact with the root surface, you obtain a reliable diagnosis and can immediately remove any calculus thoroughly by activating the foot pedal.

Tip length
An important factor for reliable functioning is the condition of the tip: The shorter the tip, the lower the abrasive power and detection performance. One millimeter shorter means 25% less and two millimeters shorter means 50% less power and performance. Therefore: Check the tip regularly with the Sirona check-card for tips (included in the scope of supply) and replace it in time.

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Correct positioning
Correct positioning of the tip means placing the distal end of the tip tangential to the root surface – in order to preserve root substance. Why? Due to the linear movement of the tip, both diagnosis and gentle therapy can be performed only in this position. As an option, you can also set an acoustic signal to sound whenever the tip is not in contact.

Horizontal and vertical movements
During treatment, always be sure to use continuous movements from apical to coronal and from mesial to distal. Thus, you thoroughly scan the entire root surface. Always have a sufficient supply of coolant available to prevent excessive heat build-up.

Tactility is good, feedback is better
PerioScan presents its special performance in the gingival pockets: You no longer have to rely completely on your tactility. If the distal end of the tip has correct contact, you receive reliable feedback concerning the presence of calculus and healthy root surfaces.

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The ray of light in diagnosis and treatment

PerioScan indicates both optically and, if you wish, acoustically the location of calculus during the treatment.

Blue light:
If calculus is detected, you will know it immediately because the visual signal built into the scaler will change colour. As an option, an acoustic signal also sounds.



Green light:
For added safety, the change in colour is also indicated on an illustration of a tooth visible on the PerioScan display screen: green means "healthy root surface", and blue indicates "calculus". You have thoroughly removed the calculus or none exists.

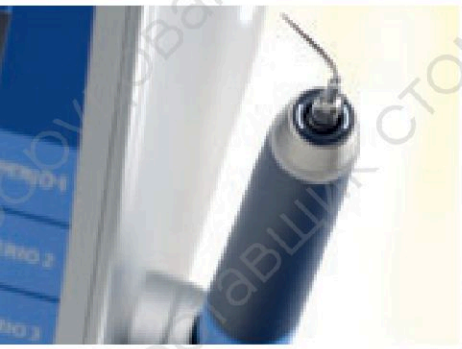


No light:
If the Illuminator indicates neither blue nor green light it means that: The distal end of the tip does not have correct contact. Therefore, neither therapy nor feedback via the system is possible! Optionally, PerioScan can also indicate this condition with an acoustic signal.



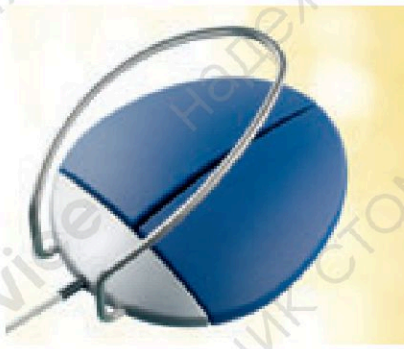
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Innovative handpiece
The ergonomically designed handpiece fits your hand perfectly and features a unique sensor function which is the first to detect calculus.

Benefit right down to the last detail
From the power and water connections to the two illuminated containers for the irrigating liquid of your choice – even the back of this small unit includes what you really need.

Change default settings at any time
You can change all default settings quickly and easily to suit your personal requirements or reallocate the programme keys at any time.

Simply switch on, rinse and boost
A single foot pedal for three functions: commence the treatment, start the irrigating liquid without ultrasonics, boost the performance by 20% at any time during treatment.

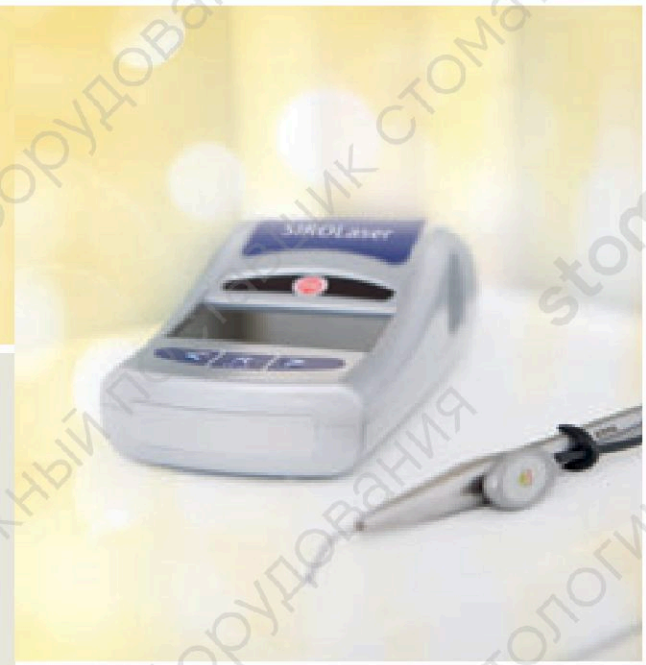
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PerioScan – PERIODONTOLOGY AND MORE

Intelligent variety for your practice.

PerioScan fits into your practice perfectly: It is an easily operated, space and money saving unit. In addition to its primary function in the area of periodontology, this ultrasonic unit has the appropriate accessories for other types of treatment, including micropreparation and retrograde endodontic treatment. And regardless of whether you are working subgingivally or supragingivally, you always have maximum safety throughout the procedure.



SIROLaser – a compact diode laser from Sirona.

The SIROLaser is the perfect partner for PerioScan. As a clinically effective and practical aid to conventional treatment, it helps to reduce germs and bacteria during periodontal treatment, e.g. in gingival pockets, gently and without hardly any secondary bleeding. In addition, the laser light is ideal for removing granulation tissue and eliminating bacteria flora in the affected tissue. Besides periodontology the SIROLaser can be employed in other areas, e.g. endodontics, dental surgery and implantology.

The technical data

Wavelength:	970 ± 15 Nm
Optical power:	0.5–7 watt
Dimensions (W x H x D):	54 x 87 x 190 mm
Weight:	450 gram

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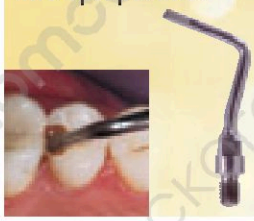
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Scaling



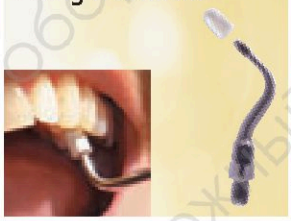
Sirona offers a wide range of ultrasonic tips for all stages of thorough, gentle and lasting supragingival scaling.

Micropreparation



Selectively diamond-coated instruments with a 20° bevel for minimally invasive preparation and adhesive treatment of small approximal cavities. Cooling spray is delivered directly to the preparation site. Contra-angle ensures universal access to all quadrants with only two tips of each size.

Filling treatment



For gentle and safe insertion of inlays (for example CEREC) with thixotrophic composite.

Endodontics



For rinsing root canals previously treated with e. g. NaCl solution. The ultrasonic oscillations increase the effectiveness of the rinsing liquid and ensure its penetration even into capillaries.

Retrograde endodontic treatment



Selective, diamond-coated tips for retrograde apicectomies. The tips are angled at approx. 20° (right or left) to facilitate access to the preparation site.

Accessories for Periodontology

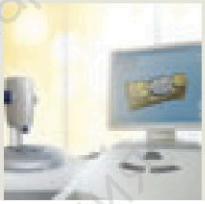
For removing subgingival calculus, even in deep gingival pockets. The SIROPERIO-tips provide optimum access in all areas to remove calculus efficiently while being gentle to the tooth structure. Excellent access even in bifurcations ensures optimum handling.

Accessories	Technical Data	Application	REF.
SIROPERIO 1 straight slender, incl. torque wrench		For rinsing and scaling roots in deep gingival pockets	60 44 825
SIROPERIO 2 curved to the right, incl. torque wrench		For scaling roots in deep gingival pockets in the posterior region	60 44 833
SIROPERIO 3 curved to the left, incl. torque wrench		For scaling roots in deep gingival pockets in the posterior region	60 44 841
SIROPERIO 4 PS straight for PerioScan, incl. torque wrench		For diagnostic function and scaling roots in deep gingival pockets with PerioScan	61 77 005
SIROPERIO-Set: SIROPERIO 1–3 incl. torque wrench and steribox			59 50 246

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CAD/CAM SYSTEMS | INSTRUMENTS | HYGIENE SYSTEMS | TREATMENT CENTERS | IMAGING SYSTEMS

SIRONA – UNIQUE WORLDWIDE SYSTEMS EXPERTISE IN DENTAL EQUIPMENT PRODUCTS

Sirona develops and manufactures a comprehensive range of dental equipment, including CAD/CAM Systems for dental practices (CEREC) and laboratories (inLab), Instruments and Hygiene Systems, Treatment Centers and Imaging Systems. Sirona manufactures high technology products that guarantee ease of use and a high return on investment – for the good of your practice and for the benefit of your patients. In this way, you can approach every challenge that you face, confident in the knowledge that: **It will be a great day. With Sirona.**

Version	REF.
PerioScan BASIC, Version 230 V (with SIROSONIC L, hose, foot pedal, SIROPERIO-Set)	60 45 699
PerioScan, Version 230 V (with PerioSonic, hose, foot pedal, PerioSonic-Set)	60 30 337
Upgrade from PerioScan BASIC to PerioScan (with chip-card, PerioSonic, hose)	60 45 756

Technical data	PerioScan
Input voltage	230 V ~ 50 Hz
Model type	Class I – B-type
Operation	Continuous
Consumption	50 VA
Water pressure	1–5 bar
Dimensions (D x W x H)	305 x 150 x 210 mm
Weight	3.1 kg

Technical data	PerioSonic
Drive	Piezoelectronic
Oscillation	Linear
Oscillation frequency	28–32 kHz
Light	Up to 16,000 Lux
Ø Handpiece	Max. 18 mm
Ø Handpiece grip	12/18 mm
Length of handpiece	101 mm
Weight	50 g

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