

# Perio-Mate Biofilm Eraser



Perio-Mate is used in the treatment of periodontal pockets and peri-implantitis. Avoiding injury to the soft tissues and root surfaces inside delicate periodontal pockets during cleaning procedures is crucial. The Perio-Mate's ultrafine water spray and glycine-based Perio-Mate Powder team up to gently eradicate biofilm in periodontal pockets in just 20 seconds. Thanks to years of experience in analyzing fluid dynamics gained while developing its turbine technology, NSK has devised a safe and supremely efficient spray pressure method that enables fast and precise removal of plaque biofilm from subgingival areas.

## Advantages

- NSK's innovative nozzle tip
- Precise, flawless powder flow
- Easy Maintenance
- Powder Control Ring
- Slim nozzle design
- Smooth 360° rotation



## Slim nozzle facilitates operation in the narrow confines of the oral cavity

The long, narrow nozzle shape is designed to allow easy access to areas that require inserting the handpiece at an angle, such as between molars.



## Smooth 360-degree rotation for safe and accurate operation

The handpiece can easily be rotated using the fingertips even while performing complex operations. The nozzle tip allows easy access to difficult to reach areas, and does not adversely affect neighbouring teeth and contours.



## Powder Control Ring

The Perio-Mate's convenient Powder Control Ring makes fine-tuning powder flow simple and intuitive with quick fingertip adjustments. In addition to easily controlling and stopping the flow of powder in this way, you can cleanse the treatment area from biofilm uninterruptedly.



## Easy Maintenance

The nozzle with its nozzle tip, handpiece and powder chamber can be easily dismantled for cleaning and decontamination.



## Flexible plastic nozzle tip design ensures accessibility and is gentle to the pocket

The slim nozzle tip possesses just the right degree of flexibility to pass smoothly over tooth surfaces, and can be easily inserted into tight pockets and the root surfaces of adjacent teeth without causing the patient discomfort.

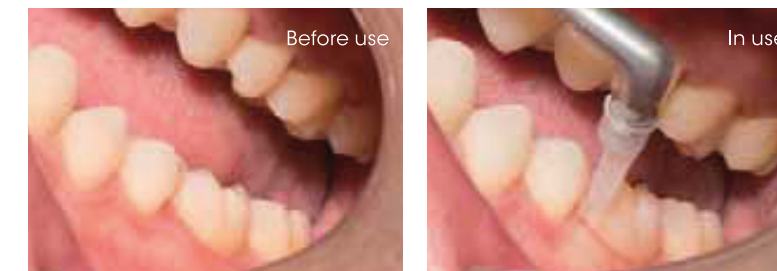


## Optimized nozzle design based on fluid analysis ensures flawless powder flow in the pocket

NSK's analysis of fluid dynamics gained through years of experience in developing turbine technology fully takes into account how a clinician must maneuver in the limited space inside the pocket.



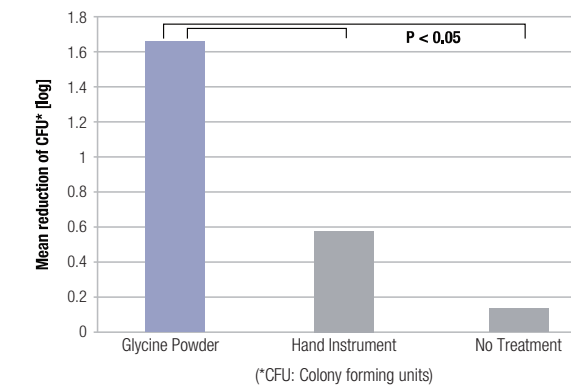
## Biofilm removal inside periodontal pockets



Biofilm removal inside of 3mm to 6mm periodontal pockets after basic periodontal treatment has been completed.

## Reduction of bacteria

The air-polish process with Perio-Mate Powder (glycine-based) results in significantly better bacterial reduction than manual plaque removal.



Petersilka G., Tunkel J., Barakos K., Heinecke A., Häberlein I., Flemmig T.F.: Subgingival plaque removal at interdental sites using a low abrasive air-polishing powder, Journal of Periodontology, 2003, Volume 74, Number 3



## Perio-Mate Powder

- Glycine-based
- Mean particle size <25µm

MODEL Perio-Mate Powder  
ORDER CODE Y900938

- 2 bottles packed in a box
- Each bottle contains 160g

## Clinical procedure

- Twenty seconds per tooth (five seconds per side) is ideal for removing biofilm from within the pockets.
- To be used for peri-implantitis within 5 mm of the area affected by gingivitis. (For maintenance in cases of periodontitis and peri-implantitis therapy after initial treatment is completed; for periodontal pockets up to 5 mm in depth only.)

\* Protocol cases are available on request, and can also be found on our website, www.nsk-inc.com.



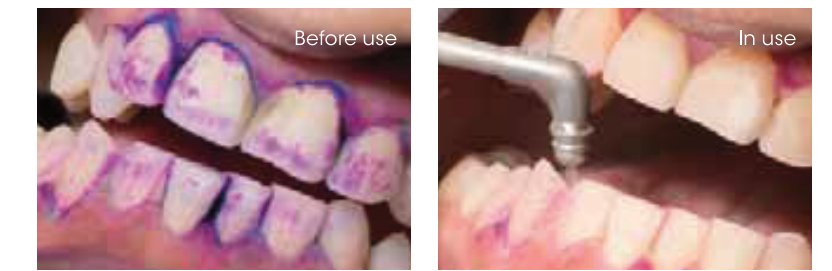
## Perio-Mate Nozzle Tip

Hygienic disposable nozzle tips

MODEL Perio-Mate Nozzle Tip  
ORDER CODE Y1002741

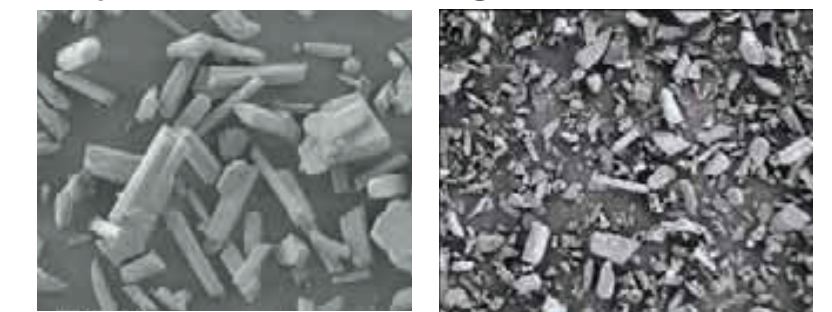
- 40 pcs per pack

## Interdental and gingival margin plaque removal



- Gingival margin plaque removal (from pockets up to around 3mm).
- Biofilm removal with rubber cup for complicated tooth alignment and other areas that are hard to access, interdental areas, and in pits and fissures.
- Cleaning around dental implants.
- Removing minor stains across large areas.

## For protective tooth cleaning



**Conventional air-polishing powders**

- up to 200 µm particle size
- should only be applied once, maximally twice, per year due to abrasivity

**Perio-Mate powder**

- mean particle size <25 µm
- can be applied as many times per year as needed

## Perio-Mate Complete System

MODEL	ORDER CODE		
PER-PTL-P	Y1002654		for NSK Coupling
PER-KV-P	Y1002655		for KaVo® LED Coupling
PER-SR-P	Y1002656		for Sirona® LED Coupling
PER-WH-P	Y1002657		for W&H® Roto Quick
PER-BA-P	Y1002658		for Bien-Air® Unifix®
PER-M4-P	Y1002659		for Connect direct to the handpiece tubing MIDWEST
PER-B2-P	Y1002660		for Connect direct to the handpiece tubing BORDEN

## Contents

- Handpiece
- Powder case
- Nozzle tip (40 pcs)
- Maintenance kit

\* Couplings are not included