DEEP DOWN,
HIDDEN BETWEEN ROOT SURFACE AND GINGIVA,
UP TO 1,500 DIFFERENT STRAINS OF BACTERIA WITH
BILLIONS OF INDIVIDUALS CONTINUE TO DESTROY
SOFT TISSUE AND BONE UNDER THE COVER OF BIOFILM
PROPHYLAXIS,

EVEN IN DEEP AREAS, PREVIOUSLY CONSIDERED OFF LIMITS FOR AIR POLISHING, IS NOW A REALITY. ELIMINATE BIOFILM WITH THE LATEST DEVELOPMENT FROM THE INVENTOR OF THE ORIGINAL AIR-FLOW® METHOD
THE ORIGINAL AIR-FLOW® METHOD NOW REACHES THE DEEPEST PERIODONTAL POCKETS. THE NEW PERIO NOZZLE AND THE NEW AIR-FLOW® POWDER PERIO COMBINE TO DELIVER GREATER EFFICACY AND MUCH MORE PATIENT COMFORT THAN CONVENTIONAL CURETTES OR OTHER INSTRUMENTS →

A NEW AIR POLISHING DEVICE FOR REMOVING SUBGINGIVAL PLAQUE

> The new treatment was perceived more acceptable and was more time efficient than scaling and root planning (SRP), however on a microbiological level was not superior to conventional SRP

Moëne R., Décailliet F., Andersen E., Mombelli A., School of Dental Medicine, University of Geneva, Switzerland – Journal of Dental Research 2009
NEW ➔ AIR-FLOW MASTER®

THE WORLD’S FIRST SUBGINGIVAL PROPHYLAXIS UNIT

2 APPLICATION SYSTEMS IN ONE ➔
PERFECT FOR SUBGINGIVAL AND SUPRAGINGIVAL TREATMENT

3-TOUCH PANEL ➔
EASY SWITCHING BETWEEN SYSTEMS
EASY SETTING OF APPLICATIONS
INNOVATION
AIR-FLOW MASTER ®
NEW}
AIR-FLOWMASTER®
THE WORLD'S FIRST  
SUBGINGIVAL PROPHYLAXIS  
UNIT 
2 APPLICATION SYSTEMS 
PERFECT FOR SUBGINGIVAL  
AND SUPRAGINGIVAL TREATMENT
3-TOUCH PANEL }
EASY SWITCHING BETWEEN SYSTEMS 
EASY SETTING OF APPLICATIONS 
TOUCH'N'
FLOW

TOUCH ‘N’ FLOW
TWO POWDER CHAMBERS ➔

> Large capacity for many applications
> See-through and illuminated to visualize refill
> Easy to remove, clean and refill

POWDER CHAMBER FOR AIR-FLOW® POWDER CLASSIC
AND AIR-FLOW® POWDER SOFT ➔

> Uniform powder flow, no clogging
> 100 g capacity for AIR-FLOW® Powder CLASSIC
> 65 g capacity for AIR-FLOW® Powder SOFT

AIR-FLOW® HANDPIECE ➔

> Supragingival application, also in subgingival border area
> Free-flow technology
> Sterilizable at 134° C

3-TOUCH PANEL ➔

> Self-explanatory, operates by touch
> Easy to clean surface
> Blue LEDs for clear display of current setting
> A pioneering feature and EMS exclusive

"LIQUID" ➔

> Easy control of flow amount

"PERIO-FLOW® AND AIR-FLOW®" ➔

> Easy switching between treatment modes

"POWER" ➔

> Easy power setting
**AIR-FLOW MASTER ®**

**COMPLETE TWO POWDER CHAMBERS**

- Large capacity for many applications
- See-through and illuminated to visualize refill
- Easy to remove, clean and refill

**POWDER CHAMBER FOR AIR-FLOW ® POWDER CLASSIC AND AIR-FLOW ® POWDER SOFT**

- Uniform powder flow, no clogging
- 100 g capacity for AIR-FLOW ® Powder CLASSIC
- 65 g capacity for AIR-FLOW ® Powder SOFT

**AIR-FLOW ® HANDPIECE**

- Supragingival application, also in subgingival border area
- Free-flow technology
- Sterilizable at 134° C

**3-TOUCH PANEL**

- Self-explanatory, operates by touch
- Easy to clean surface
- Blue LEDs for clear display of current setting

**LIQUID**

- Easy control of flow amount
- Easy switching between treatment modes

**PERIO-FLOW® NOZZLE**

- Special geometric design for uniform powder flow
- 45 g capacity for AIR-FLOW® Powder PERIO

**PERIO-FLOW® HANDPIECE**

- Subgingival application, down to deep periodontal pockets
- Free-flow technology
- Sterilizable at 134° C

**PURGE BUTTON**

- Button on the side of the unit
- Perfect cleaning of all hoses
- Optimizes free-flow technology

**HANDPIECE HOLDER**

- Strong magnet, mobile and sterilizable
- For flexible use in the practice

**FOOT PEDAL**

- 4 function switch incl. power boost
Biofilm is a complex ecosystem that forms on teeth, including various types of bacteria, organic acids, and other substances. Regular plaque control is essential to prevent periodontal disease and maintain oral health.
PERIODONTITIS AND PERIIMPLANTITIS
→ 100% POTENTIAL FOR SUB-
AND SUPRAGINGIVAL PROPHYLAXIS

ORIGINAL AIR-FLOW®
METHOD→
SUBGINGIVAL

PERIO-FLOW® HANDPIECE ➔
- Innovative design, specially developed for use in deep periodontal pockets
- Ergonomic handpiece for the new AIR-FLOW® Powder PERIO
- Sterilizable at 134˚C

PERIO-FLOW® NOZZLE ➔
- Optimum gentle turbulence in subgingival area prevents soft tissue emphysema
- Three horizontal nozzle outlets for air-powder mixture, and one vertical nozzle outlet for water
- Patented single-use nozzle
- Quick connection onto the new PERIO-FLOW® handpiece

AIR-FLOW® POWDER PERIO ➔
- Grain size ~ 25 µm (d50)
- Ultrafine grain matched to the new PERIO-FLOW® handpiece, with PERIO-FLOW® nozzle
- Does not abrade dentin

BEYOND THE BOUNDARIES
OF CONVENTIONAL PROPHYLAXIS

PERIODONTITIS AND PERIIMPLANTITIS
→ INCREASED RISK FACTOR
DIABETES 2-11x
ARTERIOSCLEROSIS 2x
ARTERIAL DISEASE OF THE BRONCHIAL PASSAGES 2-4x
OSTEOPOROSIS 2-4x
PREMATURE BIRTH 4-8 TIMES HIGHER THAN WHEN HEALTHY
CHRONIC DISEASE OF THE BRONCHIAL PASSAGES 2-4x

100% POTENTIAL
100%
-30% SEVERE PERIODONTITIS
-50% MODERATE PERIODONTITIS

PERIODONTITIS AND PERIIMPLANTITIS
100% POTENTIAL FOR SUB-
AND SUPRAGINGIVAL PROPHYLAXIS

Germans Oral Health Survey 2006
Increase since 1997: adults + 29.9 percentage points, senior citizens + 23.7 percentage points

SEVERE PERIODONTITIS
20.5% OF ALL ADULTS
19.8% OF ALL SENIOR CITIZENS

MODERATE PERIODONTITIS
62.7% OF ALL ADULTS
48.0% OF ALL SENIOR CITIZENS

Severe periodontitis in 35% of all adults and 24% of all senior citizens:

D21x x 100% increased risk
ARTERIOSCLEROSIS 2x
ARTERIAL DISEASE OF THE BRONCHIAL PASSAGES 2-4x
OSTEOPOROSIS 2-4x
PREMATURE BIRTH 4-8 TIMES HIGHER THAN WHEN HEALTHY
CHRONIC DISEASE OF THE BRONCHIAL PASSAGES 2-4x

100% potential for sub- and supragingival prophylaxis

100% potential for sub- and supragingival prophylaxis

100% potential for sub- and supragingival prophylaxis

100% potential for sub- and supragingival prophylaxis

100% potential for sub- and supragingival prophylaxis

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100% potential for sub- and supragingival prophylaxis
SUBGINGIVAL PROPHYLAXIS, EXCLUSIVELY WITH THE AIR-FLOW MASTER®

THE KEY TO A MODERN SUCCESSFUL PRACTICE
SUBGINGIVAL PROPHYLAXIS, EXCLUSIVELY WITH THE AIR-FLOW MASTER®

THE KEY TO A MODERN SUCCESSFUL PRACTICE
NO 1, TODAY AND TOMORROW  
THE ORIGINAL AIR-FLOW® METHOD→  
WIDELY KNOWN AND RECOGNIZED

FIGHTS STAINING AND MICROBIAL TOOTH DEPOSITS

- Bacteria and micro-organisms in plaque are responsible for the spread of gingivitis, periodontitis and caries. This is countered by the removal of microbial tooth deposits and the effect of fluoride action.

PREVENTS GINGIVITIS, PERIODONTITIS AND CARIES  
Photos: Dr. M. Roubach

WHEN SEALING FISSURES

- Cleaning the fissures before sealing improves the adherence of the sealing material and reduces the risk of caries.

MINIMIZES THE RISK OF CARIES

IN CONSERVATIVE DENTISTRY

- Cleaning the surface to prepare for enamel etching improves the adherence of composite, ceramic inlays and veneers.

EXTENDS THE LIFE AND OPTIMIZES THE QUALITY OF SYNTHETIC AND CERAMIC RESTORATIONS

IN PROSTHETICS

- Cleaning healthy teeth for the color adjustment of bridges, crowns, inlays and onlays, etc.

FACILITATES COLOR DETERMINATION
IN ORTHODONTICS

> Preparing the surface prior to bonding, cleaning of cemented bands and bonded brackets, removing adhesive residue

![Before AIR-FLOW®](image1)

![After AIR-FLOW®](image2)

REDUCES TREATMENT RISKS
Photo: Dr. R. Kalla

IN ESTHETIC DENTISTRY

> Cleaning the teeth before bleaching helps determine the exact natural color of the teeth

> Preparing the tooth surface guarantees the optimum efficacy of the bleaching agent

OPTIMIZES BLEACHING PERFORMANCE

ALWAYS OPTIMAL ➔
ORIGINAL AIR-FLOW® POWDER

AIR-FLOW® POWDER CLASSIC ➔
Sodium bicarbonate, grain size ~ 65µm (d50), Minimally abrasive, with anti-inflammatory action

AIR-FLOW® POWDER SOFT ➔
Glycine-based, grain size ~ 65µm (d50), does not abrade enamel, particularly gentle

NEW
PROPHYLAXIS WITHOUT LIMITS

EASY ACCESS AND UNIFORM TURBULENCE OF AIR-POWDER MIXTURE AND OF WATER → PREVENTS SOFT TISSUE EMPHYSEMA

GENTLE APPLICATION OF BIOKINETIC ENERGY GENERATED WITH THE ORIGINAL AIR-FLOW® METHOD → NO SCRATCHING OF THE TOOTH SURFACE

EFFECTIVE REMOVAL OF BIOFILM DOWN TO THE POCKET BOTTOM → WITHOUT DAMAGING THE CEMENTUM

SUSTAINED REDUCTION IN BACTERIA → NO TOOTH OR IMPLANT LOSS DUE TO PERIODONTITIS OR PERIIMPLANTITIS
EFFECTIVE PERIO POLISHING → WITHOUT
DAMAGE TO THE EPITHELium OR CONNeCTIVe TISSuE

FASrT, REliABLE, STRESS-FREE TREATMENT
WIThOUT UNPLEASANT CURETTES OR NOISE →
FOR MAXIMUM PATIENT COMFORT

3 STEPS TO PERFEcT PROPHYLAXIS →

1
DIAGNOSIS AND TREATMENT PLAN

2
INITIAL TREATMENT

3
RECALL

DEEP DOWN, SATISFACTION SHOWS