

# Infection control

*Safety at focus*

*Highest standard in infection control with Planmeca dental units*

*Clean water and infection control that meets the highest of standards have always been essential elements in Planmeca dental unit design. Innovative product development and cooperation with the leading dental universities have produced comprehensive, thoroughly studied solutions for both external and internal dental unit infection control.*

*Covering practical documentation, superb design and aiding technology with innovative software monitoring, the users will benefit from this comprehensive and easy to use solution in their effort to secure high-quality infection control.*

**PLANMECA**





## Always clean water

The advanced water treatment solutions guarantee that treatment water is always clean ensuring safe treatment for the patient and safe working environment for the dental team.



### Simple-to-use flushing cycles

- Fully automated waterline flushing cycles ensure that the water inside the dental unit is always fresh: Short flushing is recommended between patients, and intensive flushing both in the morning and at the end of the day.
- The intuitive touch panel guides the user with simple, straightforward instructions.
- The integrated instrument flushing holders guarantee smooth workflow with no need for extra accessories.



### Scientifically proven effectiveness

- Widely used for ten years, the highly automated **Planmeca Waterline Cleaning System** ensures optimal elimination of microbial biofilm. The dental unit output water quality meets the ADA (American Dental Association) requirements  $\leq 200$  CFU/ml.
- **Planmeca Planosil** cleaning agent is fed into the dental unit waterlines, left to act overnight and flushed away in the morning. The treatment water is thus free of chemical residues. This is a clear advantage compared to systems with continuous disinfectant supply.
- The highly automated system is fast and easy to use.
- As chemicals are used only once a week, the system is cost-effective.
- The Planmeca Waterline Cleaning System has been scientifically proved effective in several independent international studies :
  - *Effective control of dental chair unit biofilm and marked reduction of bacterial contamination of output water using peroxide-based disinfectants*, C.M. Tuttlebee, M.J. O'Donnell, C.T. Keane, R.J. Russel, D.J. Sullivan, F. Falkner and D.C. Coleman, Journal of Hospital Infection (2002) 52: 192-205.
  - *A novel automated waterline cleaning system that facilitates effective and consistent control of microbial biofilm contamination of dental chair unit waterlines*, M.J. O'Donnell, A.C. Shore and D.C. Coleman, Journal of Dentistry (2006) 34: 648-661.



### Designed for highest level of external infection control

- Smooth, uniform dental unit surfaces guarantee easy cleaning and impeccable external infection control, crucial for safe, high-quality treatment.
- Powder-painted epoxy surfaces are extremely durable and cleaning agent resistant. All critical components can also be autoclaved and the bowl can be detached for easy cleaning.
- Clean dental unit will increase patient confidence and treatment commitment.

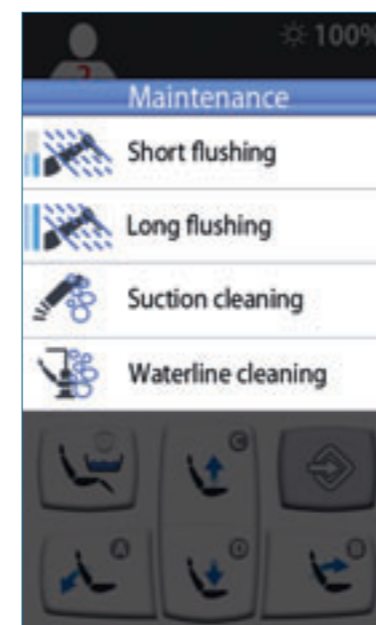
### Leading technology for clean suction tubes

- Innovative **Planmeca Suction Tube Cleaning System** guarantees proper functioning of the dental unit and safe treatment environment.
- Fast and efficient cleaning of the suction tubes and filters after each work day. Clean filters also guarantee their safe replacement.
- The system automatically dilutes and supplies the cleaning agent into the suction tubes and removes all air ensuring complete contact with all internal surfaces.
- The cleaning agent is left to act for two minutes resulting in significantly more effective cleaning compared to systems with no duration of action involved.
- Fast and straightforward cleaning procedure due to intuitive user-interface and integrated system with no external accessories required.
- As the only manufacturer in the market, Planmeca provides a **Centralized Suction Tube Cleaning System**, which offers significant cost-effectiveness for larger clinics and institutions.



### Infection control made easy

- Highly automated flushing and cleaning cycles.
- The intuitive user interface with clear symbols and text facilitates the infection control process.
  - > All flushing and cleaning cycles are very easy to use which motivates the user to follow infection control guidelines from the first moment on.
- Planmeca digital dental units can be networked and integrated with **Planmeca Romexis** software: all procedures, including flushing and cleaning cycle events, are automatically registered to Planmeca Romexis database.
- The registered events are automatically processed by **Planmeca Romexis Clinic Management** module offering a powerful tool for dental unit monitoring and quality control:
  - > Individual user can receive an alert when certain dental unit cleaning cycle has been neglected.
  - > On clinic level, daily reports can be generated to monitor infection control routines.



### Benefits of Planmeca infection control

- Clean water and a clean dental unit – basis for high quality dental treatment
- Risk-free and safe treatment for the patient
- Increased patient loyalty and mutual trust
- A safe working environment for the dental team and technical personnel
- Meets the strictest infection control requirements
- Unique real-time monitoring and quality control enabled with **Planmeca Romexis Clinic Management** software module
- Smooth operation and long lifespan of the dental unit – secure investment



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