

Planmeca Solutions for VIC Clinics



**SCHOOL OF
DENTISTRY**
UNIVERSITY OF MICHIGAN

PLANMECA

Planmeca Solutions – created for better patient care

Renowned for their beauty, durability and technical cleverness, Planmeca's solutions are designed with both the dental team and the patient in mind. Our product development is always guided by four core values: ergonomics, safety, comfort and aesthetics. By adhering to these values in everything we do, we have been able to create products that let dentists concentrate on providing the best patient care while technology takes care of the rest. We welcome you to explore our exceptional solutions for VIC clinics.



VICS

Vertically Integrated Clinics

Our Planmeca Sovereign® Classic dental unit has been designed for better patient care, education, and research. The customizable user settings enable flexible use and the fully automated infection control procedures help to improve quality assurance. This platform-based solution allows easy future upgrades and fully supports digital dentistry – both now and in the future.



Planmeca dental units

It's all in the details

Easy patient documentation

All clinical data can be easily accessed, making patient documentation simple and straightforward.

Intraoral scanner – just like any other instrument

The fast and lightweight **Planmeca Emerald™** intraoral scanner can be used, shared and operated with a foot control just like any other instrument. For an ergonomic workflow, the scanning data can be instantly viewed on your chairside tablet.

Comfortable working positions

The wide height adjustment range allows you to work comfortably in a standing position, while the very low chair position also makes it possible to treat patients who are semi-reclined.



Extensive light field

The **Planmeca Solanna™ Focus** operating light provides excellent visibility to every corner of the treatment area. The integrated cameras can be used to record your treatment session in 4K resolution with high dynamic range technology.

A comfortable grip and minimized strain

The world-class instrument arms offer optimal balance and support an ergonomic use of instruments.

Smartly designed instrument console

Our effortless console positioning allows instruments to be placed at the optimal ergonomic position. The console can also be moved to the assistant side for a smooth and efficient workflow. Instruments with quick connectors are interchangeable by user.

Ease of use – just plug and play

The intuitive touch panel is straightforward and easy to use with customizable treatment center functions, treatment positions, instrument settings and presets.

Personal settings easily available

Planmeca PlanID™ allows access to personal settings on any dental unit at a clinic with a simple flash of a card.

Foldable leg rest

The automatic leg rest makes it easy for patients to enter and exit the chair, ensuring a smooth workflow. It also provides excellent patient comfort and is practical for doctor-patient consultations and prosthodontic treatments.

Unrestricted operator access

The narrow top of the backrest allows the dental team to get as close as possible to the treatment area.

Extensive legroom

The floating chair and small cuspidor base maximize legroom for both dentist and assistant – allowing the whole team to get as close as possible to the patient.

Wireless foot control

The foot control can be positioned freely and used to carry out all the necessary functions. You can also use the foot control to operate Planmeca intraoral scanners.

Planmeca Sovereign® Classic

True adaptability

Our exquisite *Planmeca Sovereign® Classic* dental unit is a combination of intelligent engineering, breakthrough technology, and distinctive design. This highly adaptable dental unit is an ideal solution for the needs of special dentistry. It helps you ensure that your patients always receive the very best treatment.

Clever design details

Planmeca Sovereign® Classic has been designed with ergonomics, comfort, and usability in mind. The compact and slim cuspidor makes the unit the perfect choice for any treatment room. The user-centered design offers unparalleled ease of use for both you and your assistant. The tilting seat keeps the patient optimally positioned during whole treatment session.

Perfect ease of use

Plug your preferred instruments on the 6-position instrument console and use the unit easily through the multilingual touch screen from day one. Position your unit the way you want with the left/right swivel function of the cuspidor and chair.

A multitude of possibilities in one treatment room

The swivel function of *Planmeca Sovereign Classic* provides exceptional new treatment possibilities. The entire unit can be moved effortlessly for different specialty treatment needs – such as CAD/CAM, implantology, laser treatment, prosthodontics or even anaesthesia – all in the same room. All the necessary specialty equipment and materials can be organized for the most seamless and efficient clinical workflow possible. The dental unit provides the possibility to integrate a microscope or a surgical micromotor.



For demanding clinical needs



The left/right swivel function allows the dental unit to be moved effortlessly for different specialty treatment needs.



The swivel function brings added flexibility and comfort to patient consultation, and helps to optimize the use of space.



Planmeca Solanna™

For brighter workdays

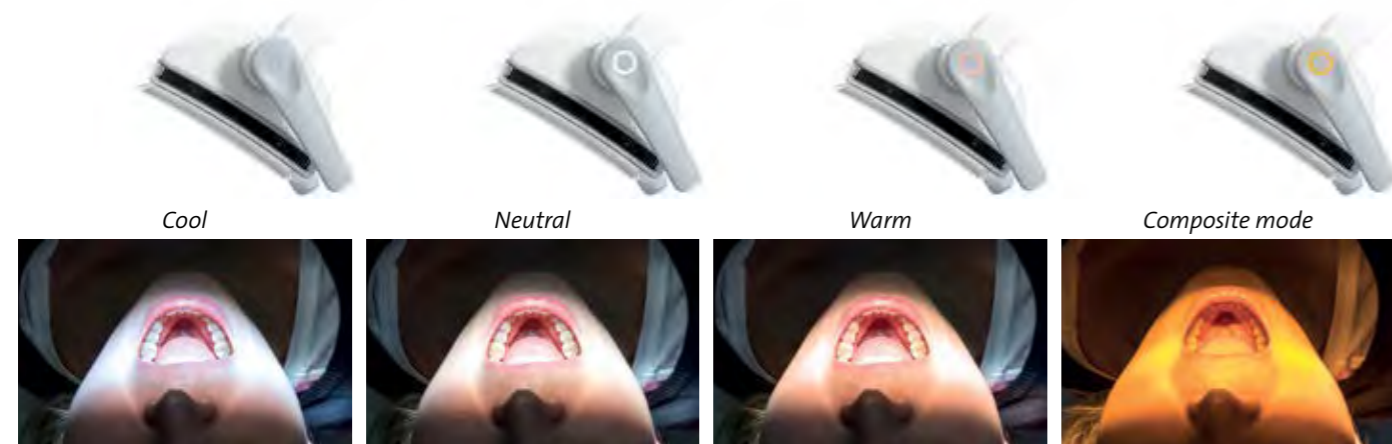
The **Planmeca Solanna™** operating light provides perfect visibility over the entire treatment area with the brightness and colour temperature of your choice.



Latest LED technology

Planmeca Solanna™ makes daily work easy. Its extensive light field is always uniform regardless of the distance from the treatment area. The light's state-of-the-art mirror optics ensure minimized shadows with no ambient light to patient eyes. There is enough intensity for all operations and it is possible to adjust the colour temperature according to personal preferences and specific treatments.

Brightness
and colour of
your choice



Beautiful and effortless movements for smooth positioning

Planmeca Solanna's smoothly moving light head caters to the needs of users of all sizes, both sitting and standing. The exceptionally long arm enables optimal working conditions from all angles – regardless of whether the light is mounted to the dental unit, ceiling, or wall.

Planmeca Solanna™ Focus operating light with integrated cameras

The integrated cameras of the **Planmeca Solanna™ Focus** operating light can be used to record your treatment session in 4K resolution with high dynamic range technology. This can be utilized for example when carrying out complex surgical procedures. This innovative solution also includes a microphone and thus enables remote consultation.

Planmeca PlanID™

Personal settings by flashing a contactless card

Our dental units can be fully and easily customized according to your individual preferences. You can use our smart Planmeca PlanID™ system to access your personalized dental unit settings with a simple flash of a card.

Personal settings with Planmeca PlanID™

The Planmeca PlanID™ system has been developed especially for and is widely used by universities, hospitals, and large clinics. Practices with many users can now provide their dentists, assistants, and other personnel fast and easy access to personalized dental unit settings with a flash of a contactless Planmeca PlanID card.

With units that adapt instantly to the needs of different users, treatment rooms can be used more flexibly – significantly improving the overall efficiency of the clinic.

User information is saved in the database and can be viewed in the Planmeca Romexis® Clinic Management software module.

The system supports the access badges currently in use at the Michigan University School of Dentistry.

Easy access to personal settings:

- Language
- Seat positions
- Instrument settings
- Theme colour

Specific settings for different student levels

With Planmeca PlanID, teachers can create different user groups with specific user permissions for educational purposes. The faculty can remotely customize the settings for first, second and third year students. For example, access to surgical applications during endodontic treatments can be limited depending on the level of the student.



Planmeca dental stools

Optimum support and mobility

Our dental stools help you to maintain an ergonomic position throughout the working day.

Planmeca Lumo™

A form that follows you

Our anatomically designed Planmeca Lumo™ dental stool is an excellent ergonomic choice. Its smoothly rotating wheels and multitude of adjustment possibilities ensure optimal working positions for users of all heights and sizes. The stool provides outstanding support and comfort even during the longest workdays.



Planmeca Olo™

Gives your back the best position

The Planmeca Olo™ saddle stool keeps your back in its most natural position during the treatment sessions. The height is easy to adjust for different users. The incomplete circle shape of the foot ring allows close proximity to patient and other stools when needed. The exceptional design of the seat features handles and the uniform design contributes to perfect infection control.

Perfect match with your Planmeca dental unit

Match with your Planmeca dental unit – choose the colour from the Comfy™ or Ultra Relax™ upholstery colour selection.

For safer patient treatments

Infection control and clean water have always been essential elements in our product design and development. Years of close collaboration with leading dental universities in the field of microbiology have resulted in comprehensive and scientifically proven solutions for both external and internal dental unit infection control.

External infection control made easy

The smooth, uniform surfaces of our dental units make cleaning easy, ensuring impeccable external infection control – a crucial element in safe dental treatment. The powder-coated epoxy surfaces are extremely durable and resistant to cleaning agents. All critical components can also be autoclaved, and the bowl can be detached for easy cleaning.

Clean water – always

Our advanced water treatment solutions guarantee that all water entering the patient's mouth is clean, ensuring a safe environment for both patient and dental team. The highly automated systems ensure that the microbial biofilm is efficiently removed from the dental unit waterlines.

Superior results for cleaner suction tubes

We have designed an innovative system for cleaning suction tubes and filters. The **Planmeca Suction Tube Cleaning System (STCS)** automatically dilutes and supplies the cleaning agent in the suction tubes and removes all air to ensure complete contact with all internal surfaces. The cleaning agent is left to act for two minutes providing significantly more effective cleaning.

The system significantly simplifies and automates the disinfection process of dental units – ensuring a safe treatment environment and a cleaner suction system overall.

The efficiency of the Planmeca STCS has been established in an independent study** conducted at the Dublin Dental University Hospital.

* M.J. O'Donnell, M. Boyle, J. Swan, R.J. Russell, D.C. Coleman, *A centralised, automated dental hospital water quality and biofilm management system using neutral Ecasol™ maintains dental unit waterline output at better than potable quality: A 2-year longitudinal study*, J Dent. (2009) 37: 748-762

** M.A. Boyle, et al., *Overcoming the problem of residual microbial contamination in dental suction units left by conventional disinfection using novel single component suction handpieces in combination with automated flood disinfection*, Journal of Dentistry (2015)

Centralized infection control brings efficiency for large clinics

- Saves time and workload significantly
- Dental units can be configured to perform flushing cycles automatically, even during the night, weekends or vacation periods. No risk of forgetting to perform the cycles and a great time-saver!
- Centralized suction tube cleaning system – cleaning suction tubes and filters couldn't be easier
- Safe to use. The cleaning agent is fed and measured automatically from a central container – no need to handle the chemicals manually, no risk of wrong dosage
- Saves room as there is no need to store chemicals in the clinic
- Complete and reliable traceability and quality assurance with **Romexis® Clinic Management** connection



Smart tracking system

The **LM Dental Tracking System™ (DTS)** is the first commercially available system in the dental industry to efficiently track and monitor instruments and materials using RFID technology. It improves patient safety and material handling, as well as increases cost efficiency. The intelligent system opens up new possibilities within maintenance and clinical use for dental universities.



Key advantages of the LM Dental Tracking System™

Patient safety

- Guarantee the safety of materials
- Ensure sterilized instruments
- Benefit from material traceability

Cost reduction

- Avoid time consuming manual controls
- Optimized stock according to actual instrument usage
- Improve material flow with FIFO management
- Reduce number of lost items

Asset management

- Ease consumption recording
- Find out indications of demand
- Improve time management

Documentation & education support

- Reduce risks
- Decrease losses
- Improve clinical trainings
- Enhance patient session planning

Clinic efficiency

Better daily operations through information

Take the efficiency of your clinic to the next level with real-time information on networked equipment usage and events. Our **Romexis® Clinic Management** software offers several usability and quality assurance benefits for local users, whereas **Romexis® Insights** allows you to remotely monitor your clinic from anywhere.

Romexis® Clinic Management – fluent and safe use of equipment

- Access personalized dental unit settings easily with **Planmeca PlanID™**
- The faculty can define specific settings with different user permissions for different student levels
- See clear graphical overviews of a clinic – showing unit status, occupancy, and users
- Achieve time savings with scheduled flushings and mass software updates
- Monitor equipment and its use remotely, minimize human errors

Key benefits of networked equipment:

Planmeca equipment can be networked to gather valuable data on their use. The collected data can be used to analyze treatment processes.

- Enhance operational planning – patient chair time visible for digital dental units equipped with integrated patient occupancy sensors
- Use detailed event logs to improve quality assurance – including infection control and radiation hygiene

Romexis® Insights – consolidated online monitoring of all equipment

- Monitor equipment and its use from anywhere over the internet – also using mobile devices
- Utilize interactive dashboard views to see statistics from all clinics or individual locations and equipment
- Monitor trends and changes to clinic operations using informative dashboards
- Allow stakeholders (such as service technicians) to securely access equipment information

Real-time monitoring of day-to-day operations for clinic staff with Romexis® Clinic Management



All data in the clinic database

Advanced operational data analytics for business stakeholders with Romexis® Insights

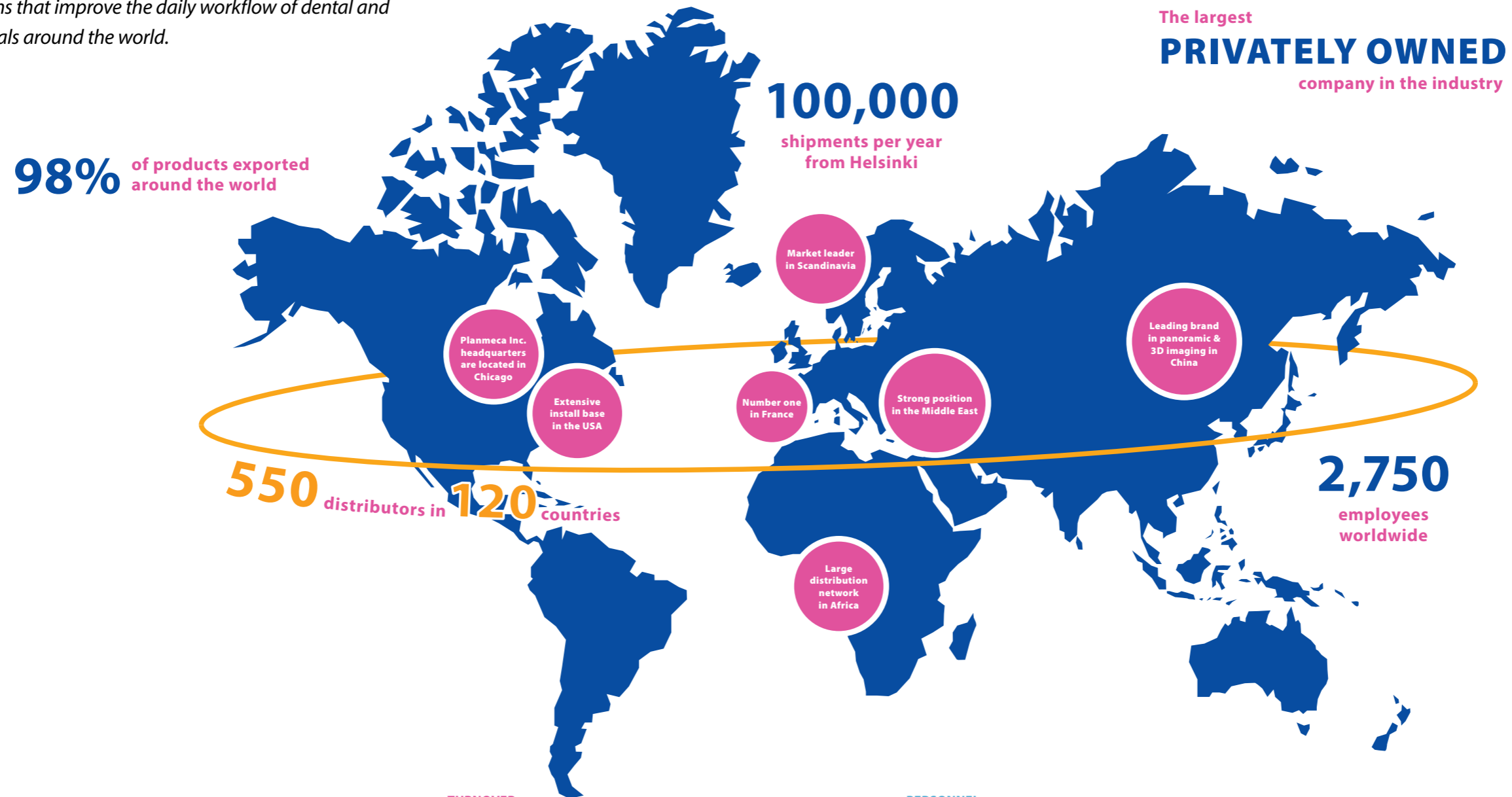


All data in a cloud database

Planmeca Group

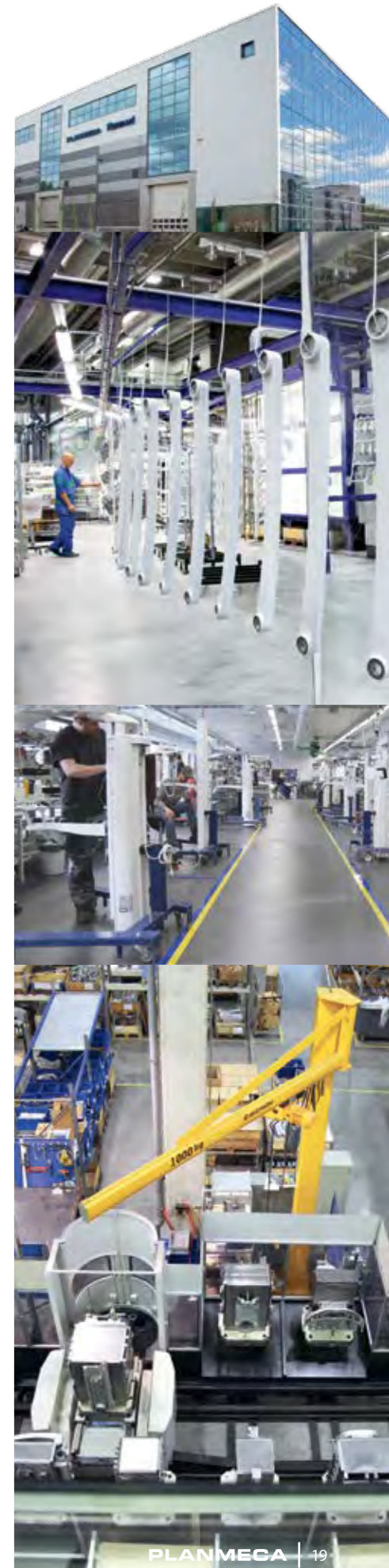
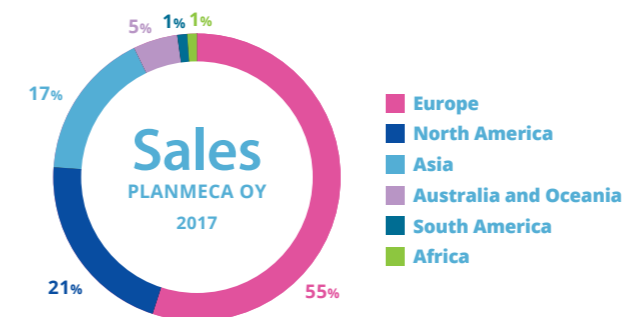
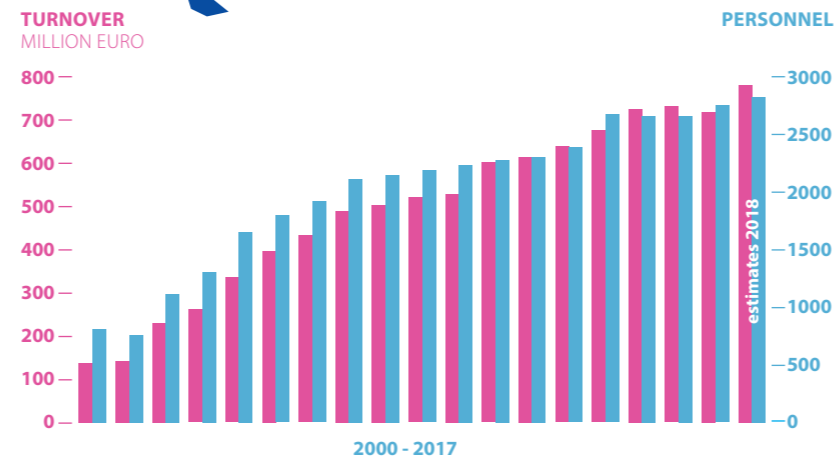
A truly global player

Planmeca Group is one of the leaders in health care technology. We are dedicated to providing better patient care through groundbreaking health care solutions that improve the daily workflow of dental and medical professionals around the world.



Planmeca Group operates in over 120 countries, employing 2,750 people worldwide. Our headquarters and production facilities are located in Helsinki, Finland, where we design and manufacture our world-leading solutions, all under one roof. Over 98% of our products are exported around the world.

Founded in 1971, our parent company Planmeca Oy is the third largest dental equipment manufacturer in the world – and the largest privately owned one.





Planmeca Oy designs and manufactures a full line of industry-leading dental equipment, including 3D and 2D imaging devices, CAD/CAM solutions, dental care units and software. Planmeca Oy, the parent company of the Finnish Planmeca Group, is strongly committed to better care through innovation, and it is the largest privately held company in the field.

PLANMECA

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