

Planmeca University Partnership Concept

Planmeca is proud to introduce an innovative training concept for dentists. We invite leading universities and clinics to join the global Planmeca Digital Academy network and benefit from our cutting-edge technology.

Planmeca Digital Academy brings together your university's expertise and skilled faculty staff with the latest dental equipment and software solutions. This cooperation model offers advanced dental training and continuous learning for today's dental professionals.

- Possibility to take your dental training business to the next level with a trusted partner
- Dental training offered at the university's facilities, using Planmeca's state-of-the-art digital equipment
- Training planned with the help of Planmeca and carried out by the university's own professionals and specialist partners
- The most modern methodologies ranging from 3D imaging and CAD/CAM to dental units and software solutions
- Attractive equipment and software packages offered for participating university partners



PLANMECA
Digital Academy



A new concept for dental training

Planmeca Digital Academy offers dental professionals in-depth knowledge on how to improve the daily diagnostic and clinical work by using cutting-edge 3D imaging, CAD/CAM, dental units and software solutions.

As a world leader in dental technology and imaging software solutions, we offer the most inspiring and high-tech environment for training of dental professionals.

Our long-term expertise in large university and clinic projects all over the world makes us the most reliable and committed partner for educational and technological cooperation.

How to improve daily diagnostic work by using the best dental equipment and software available?

3D imaging and software solutions

Planmeca has been the first to introduce breakthrough 3D imaging methods that transform traditional imaging practises and offer new information on the patient's anatomy.

Virtual 3D patient

Our unique 3x3D concept brings together a CBCT image, a 3D face photo and 3D model scan into one 3D image – all using one X-ray unit and software. This creates a virtual patient in 3D, bringing completely new dimensions to maxillofacial diagnostics.

Pioneering low dose imaging

Our X-ray units enable 3D imaging with an even lower patient radiation dose than standard 2D panoramic imaging and thus offer a great amount of detailed diagnostic information at a very low patient dose.

One software for all needs

At the heart of all Planmeca products is our world-leading software that meets all the imaging and dental unit management requirements set by any dental facility.

Curriculum example

Principles of 3D imaging

- Selection criteria of FOV
- What is ALARA?
- The relation between resolution and patient dose

3D hands on training with equipment

- Patient positioning
- Different protocols from ultra low dose to endodontic imaging
- 3D face photo
- 3D model scanning

Imaging software

- Image processing and viewing
- Radiological interpretation
- 3D data fusion – Virtual patient
- 3D implant planning with CAD/CAM
- Orthodontic applications
- Printed reports
- Mobile applications
- Cloud services



Open CAD/CAM solutions

Computer-aided design and manufacturing are revolutionising traditional dentistry and clinical work. Planmeca's open and easy-to-use CAD/CAM solutions bring unforeseen efficiency and precision to all prosthetic work phases.

Curriculum example

Chairside CAD/CAM workflow

- Intraoral scanning
- Prosthetic design
- Chairside milling
- Restorative materials

Lab CAD/CAM workflow

- Desktop scanning
- Prosthetic design
- Dental lab milling
- Restorative materials

Flexibility with open interfaces

The dentist or laboratory can choose either the entire workflow solution or only certain parts, according to their needs. This is made possible with Planmeca's unique and open interfaces between devices and software. From high-precision desktop milling units to sophisticated CAD software, the unique system includes all necessary tools for open CAD/CAM dentistry.

Effortless 3D combinations

Our CAD/CAM system is seamlessly integrated into one software – the first software in the world combining X-ray imaging and CAD/CAM work. This allows effortless combinations of different 3D data, bringing new possibilities to daily work and diagnostics.



CAD/CAM workflows for dentists and dental laboratories



Ergonomics and infection control

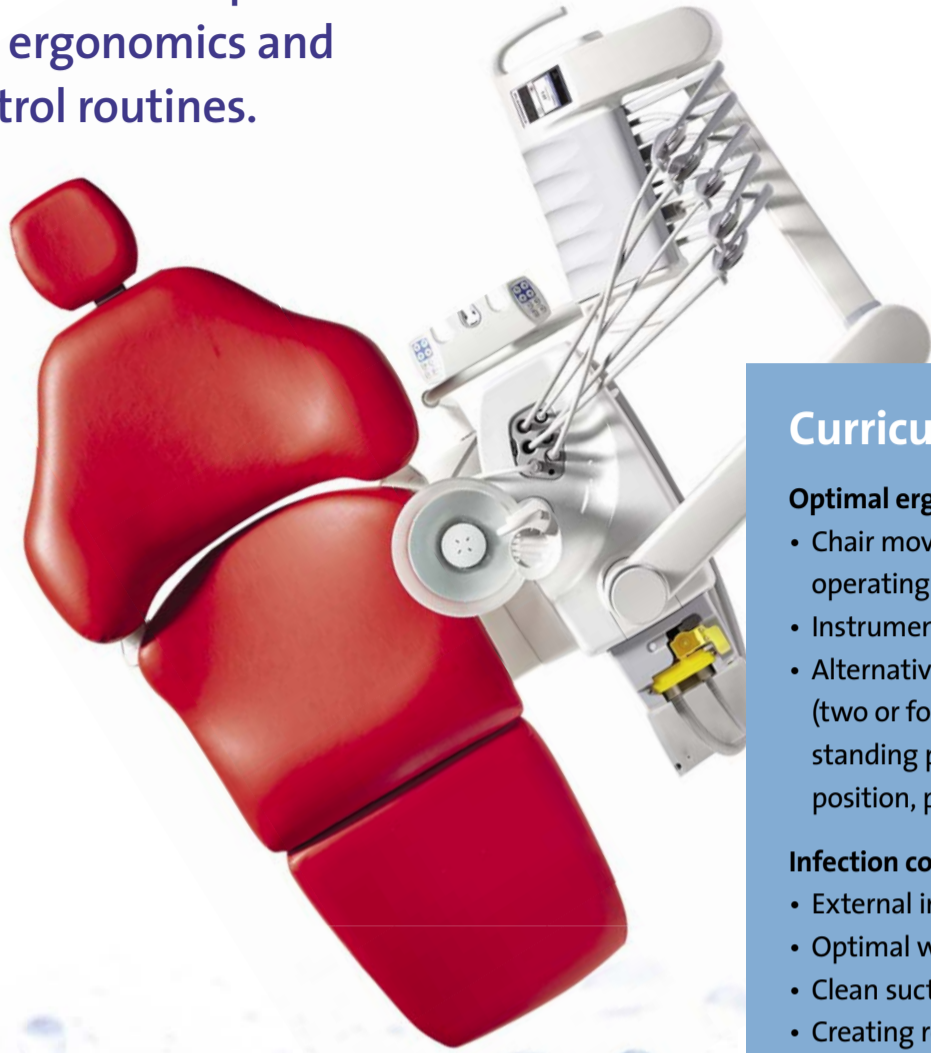
Planmeca Digital Academy gives dentists updated knowledge on optimal working ergonomics and the most efficient infection control routines.

Best possible ergonomics with Planmeca dental units

Our dental units are suited for alternative working styles and allow both two and four-handed work. The customisable treatment positions, lean and narrow backrest, side-lifting chair, effortless console positioning, extensive legroom, foldable leg rest and small cuspidor always ensure a comfortable workflow.

Centralised and integrated infection control

Infection control and clean water have always been a top priority for Planmeca. Years of close collaboration with leading dental universities in microbiology have resulted in comprehensive and scientifically proven solutions for both external and internal dental unit infection control. Our integrated and centralised solutions guarantee a safe environment for both the patient and dental team.



Curriculum example

Optimal ergonomics

- Chair movements, instruments and operating light
- Instrument console positioning
- Alternative working positions (two or four-handed work, working in a standing position, patients in semi-reclined position, patient consultation)

Infection control

- External infection control
- Optimal water quality
- Clean suction tubes
- Creating reports of performed infection control cycles

Key benefits for universities

The Planmeca university partnership concept brings both scientific and financial benefits to your dental faculty.

- New and profitable dental training business with an established partner
- The most modern and state-of-the-art equipment and software always available
- An inspiring learning and training environment to meet the most modern needs of dental education and research
- World-leading solutions for all 2D and 3D imaging needs
- Future-proof concept – a complete digital solution with excellent upgradeability
- An excellent possibility to be the first to test and get introduced to new innovations
- Close cooperation with both the manufacturer and dental professionals to promote dental education
- Efficient utilisation of your teaching facilities
- Changing behaviour by introducing new working practises and diagnostic methods to dental professionals

For further information, please contact

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PLANMECA

www.planmeca.com

Planmeca Oy designs and manufactures a full line of high technology dental and medical equipment, including dental care units, 2D and 3D imaging devices, software solutions and CAD/CAM products. Planmeca Oy, the parent company of the Finnish Planmeca Group, is strongly committed to R&D, and is the largest privately held company in the field.