Planmeca orthodontics—The right digital workflow for you

Planmeca's digital orthodontic workflow provides unmatched freedom and flexibility. After collecting imaging data, the necessary appliances can be ordered from an orthodontic solution provider or treatment planning can be done in-house with the Planmeca Romexis all-in-one software. The choice is yours—our workflow is completely open.

We at Planmeca like to be at the forefront of new technologies, but also understand that many still prefer to work with more conventional tools and methods. We strive to serve all users in the best possible way and to provide several types of solutions and services that add value to everyday dentistry—making clinical work more efficient and satisfying.

A visit to the orthodontist generally begins with an oral examination and with visual inspections of the extraoral and intraoral situation. Our smile design software also allows using quick visual representations of the treatment possibilities. Once a mutual decision on the patient’s orthodontic treatment has been reached, further clinical records are typically taken. These can include radiographs, such as lateral cephalometric and panoramic images, as well as physical impressions. A clinic with advanced technology might capture and use only 3-D records—ultra-low-dose CBCT images and digital impressions of the patient’s mouth. All records can be obtained directly with Planmeca devices and visualised in our software.

When planning a treatment, a cephalometric analysis is usually performed to obtain information about the dentition’s status and its relation to the skull. This is simplified by our software, which performs cephalometric analysis automatically in seconds. Stone model analyses can also be done digitally using intra-oral scans and our model analyser software, which is also a marvellous tool for comparing scans captured at different points in time.

Next, the treatment path best suited for the patient and the clinical indication is determined, including where to acquire the required appliances from. There are many ways to make work easier when using digital impressions. We collaborate with several third-party providers for clear aligners and customised brackets to ensure your preferred company appears in our growing list of supported partners. Our cloud service allows easy and secure sending of digital impressions to a laboratory or external provider. Alternatively, clear aligner bases can be designed and fabricated in-house using our software and 3-D printer. This convenient workflow allows the user to include tooth roots from the CBCT scan in the plan and to track their positions while simulating tooth movement. Moreover, for treating early mixed dentition, our LM-Activator appliance is a cost-efficient alternative that benefits clinicians and patients alike.

Orthodontics is closely connected to orthognathic surgery, another area in which we are rapidly advancing. When patients need corrective jaw surgery, Planmeca’s powerful tools allow an easy and efficient surgical planning using the same software.

With our offering, planning becomes reality, as it allows the on-site production of surgical splints that used to transfer the virtual operation to the actual surgery room. The splints and even the entire surgical planning can also be ordered as a service from the Planmeca ProModel surgical planning team.