

The inEos X5: Bringing Robotics to Precision Dental Laboratories

Precision Dental Laboratories recently added Sirona's revolutionary new inEos X5 CAD/CAM scanner to our toolbox. This technological wonder reliably covers all digitization tasks in our lab. Featuring a robot arm, innovative model positioning, the latest extraoral scanning technology and an open interface, the 5-axis inEos X5 provides unrivalled precision at less than 12 microns and impressive depth of field, flexible handling, quick scanning times and a comprehensive application spectrum.

The X5's unique automated operating concept has been programmed to ensure maximum efficiency for all scanning tasks and is augmented by a manual scanning option.

What does all of this mean to you and your patients?

It means that Precision Dental Labs now possesses the perfect platform for achieving well-defined designs and flawless production of your crowns, bridges and implants. Precision Dental can accept your scans via Sirona Connect, resulting in faster turnaround times for your most important cases. You benefit from fewer chairside adjustments and your patients get the fit and finish they deserve.

The inEos X5 can be used by our lab to scan impressions and models of all or part of the jaw manually or automatically. The new operating concept increases flexibility for our technicians so that the scanning process can be optimally integrated into the workflow of the laboratory. While the manual scanning mode saves time for simpler operations, the fully automatic scanning mode increases efficiency with regard to extensive operations.

The scanning speed of the inEos X5 is unsurpassed. The large image field allows the camera to capture four to five teeth per image and an entire jaw with a total of five images. This is how it digitizes one single crown in less than ten seconds, a three-unit bridge construction in only 30 seconds, as well as an entire jaw in less than one minute. A completely new optical system is used for the scan, which is based on the digital pattern projection. Accuracy of less than 12 microns and the camera's autofocus guarantee high-quality screen data that is also suitable for procedures that require the highest degree of accuracy, such as the most demanding implant operations. Due to the camera's greater depth of definition, the inEos X5 can also capture the entire jaw including the palate, which makes it possible to create a digital construction of model casting works.

With an innovative five-axis technology including rotation arm and intelligent scan planning, the inEos X5 ensures quick, automatic positioning. This standardizes the images, eliminates user error and speeds up the imaging process.

Precision Dental Laboratories is pleased with the time-saving, robotic precision the Sirona inEos X5 gives us, and we are excited to be able to extend to you the advantages it offers.

