

Kick Start Your Digital Transformation.
Backed by KaVo.

KaVo X 500 Intraoral Scanner



KAVO

| IMAGING





KaVo X 500



- ▶ Backed by an industry-leading brand known for quality and performance, the KaVo X 500 Intraoral Scanner is a simple, yet powerful solution, supported by a one-click DTX Studio™ Clinic integration for advanced diagnostics and treatment planning.



- ▶ The KaVo brand also means we've got your back with the best-in-class service and support team. With over 200 team members including Clinical Trainers, Field Service Technicians, Technical and Customer Support, we are with you every step of the way.



- ▶ Our work doesn't stop here, the KaVo X 500 is validated for digital treatments with a wide range of aligner and implant brands, most notably with Ormco™ Spark™ clear aligners* and Nobel Biocare™ implant systems.

Together with the rest of our imaging portfolio, the KaVo X 500 kick-starts your digital transformation, all of it backed by KaVo Imaging.



reddot award 2019
winner

*Source: Spark validation on file, other brand validation reported on www.Medit.com 2.20.20

Your integrated practice, powered by DTX Studio

The KaVo Imaging product portfolio includes just about all the imaging solutions you need for a smooth transition to a digital practice.

And our industry-unique DTX Studio makes sure that all of your intraoral and extraoral digital imaging solutions connect and work seamlessly together for a truly integrated smart practice that delivers a host of competitive advantages.

DTX Studio suite - connecting treatments from beginning to end

At the core of KaVo Imaging solutions is DTX Studio, our single digital platform designed to integrate and support your treatment workflow from image acquisition to treatment planning. With DTX Studio enabling seamless integration, you'll no longer have to worry about proprietary conflicts that keep your equipment from connecting and working together.



Streamlined Workflow

Work smarter and improve your productivity with automated efficiencies, delegated tasks, and a host of workflow management features that let you focus more time on the patient.



Increased Efficiencies

Save time importing and exporting data, with instant views of acquired images. DTX Studio also makes it easier to scan tooth-by-tooth, take a closer look at specific areas, and log diagnostic findings with a single click.



Simplified Interoperability

With just one software platform, you'll have the power to quickly and easily acquire and see all your imaging patient data. No more installing, learning or supporting multiple software systems that don't play well together.



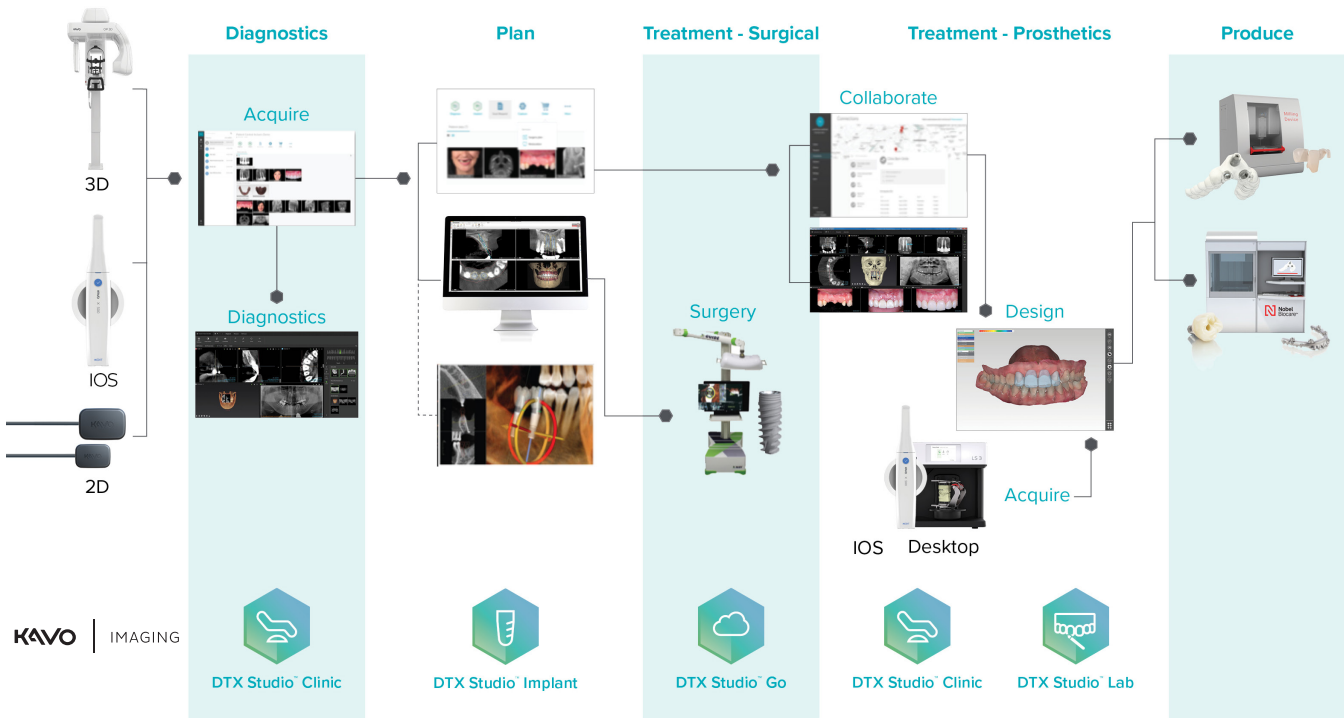
Easier Treatment Planning

See all your images, data, photos and scans in a single platform and view – anywhere, anytime. DTX Studio also lets you connect and share data with lab technicians, surgeons, and other practitioners for more collaborative diagnosis and treatment planning.



Better Patient Outcomes

Quicker, easier access to enhanced diagnostic information. Smarter workflows. Improved collaboration. More time by your patient's side. All of these benefits translate into better patient care, outcomes, and satisfaction.

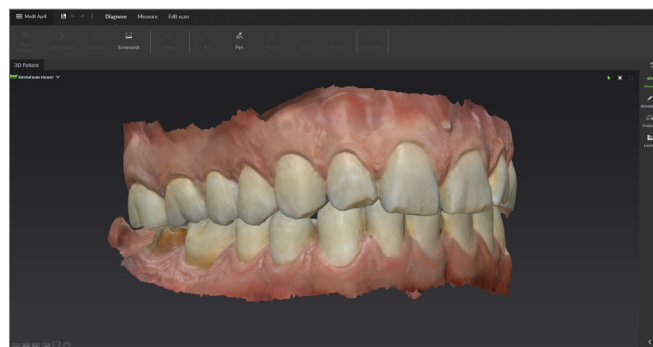
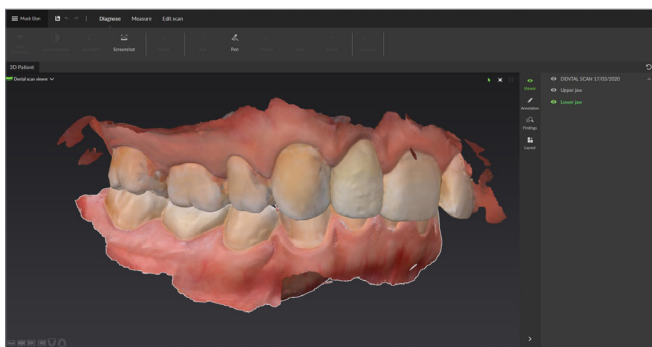
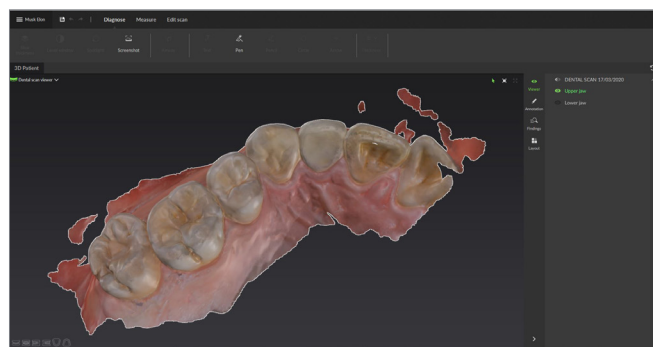
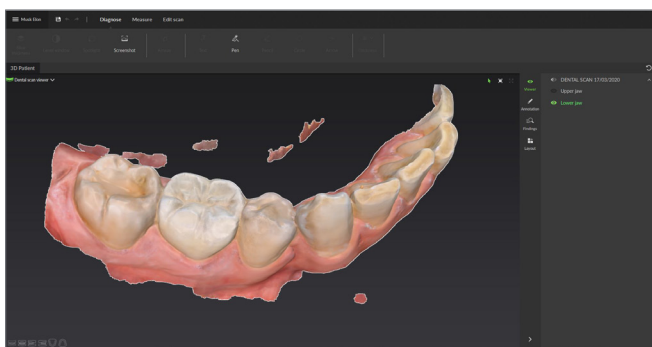


DTX Studio suite is single digital software platform that integrates the very latest 2D and 3D technologies and equipment from patient imaging acquisition and diagnostics, treatment planning, implant surgery, restorations, and follow-up.

KaVo X 500



KaVo X 500 Intraoral Scanner is a simple, yet powerful solution, supported by a one-click DTX Studio integration for advanced diagnostics and treatment planning.



Flexibility

The X 500 intraoral scanner allows you to export STL files and share them with your preferred lab, or to easily transfer files and track your progress throughout the entire workflow.



Impressive Speed

Using two high-speed cameras, the X 500 scans quickly and efficiently. With its intelligent scan detecting algorithm, the X 500 picks up where it left off for a smooth scanning experience.



Single Button Control

The single button of the X 500 allows the user to start and stop the scan at any moment without having to reach for the computer. Press the button down once to start scanning, and another time to stop. When the scan is complete, hold it down to move to the next scanning stage.



Small Tip

The small tip on the X 500 is beneficial to both the user and the patient through simpler maneuverability and improved patient comfort. Tips are autoclavable. Small Tip size (W x H): 19 x 15.2 mm



High Resolution

The X 500 produces realistic images which are high in resolution and rich in detail, allowing you to distinguish between tooth structure and soft tissue for easy identification of margin lines and undercuts.



Accuracy

	In vitro*		In vivo**
	Trueness	Precision	
Single	5.3µm ± 0.34	3.2µm ± 0.49	10µm
Quadrant	17.3µm ± 0.43	6.3µm ± 0.63	25µm
Full arch	21.0µm ± 1.48	22.6µm ± 7.55	50µm

* Accuracy test in vitro was conducted by Yonsei University College of Dentistry according to the methods in "Accuracy comparison analysis on scan data of single tooth, quadrant, and full arch between two types of intraoral scanner, X 500 and Trios 3" Ji-Man Park, 19 December 2018.

** Accuracy test in vivo was conducted by Medit.



Lightweight

The X 500 scanner has a lightweight design and is easy to hold, yielding a more comfortable scanning workflow.



Video Type

Open Source STL, OBJ, and PLY Output.



Vivid Color

The X 500 scanner produces precise-colored scans which can distinguish between soft tissue, plaque and teeth.

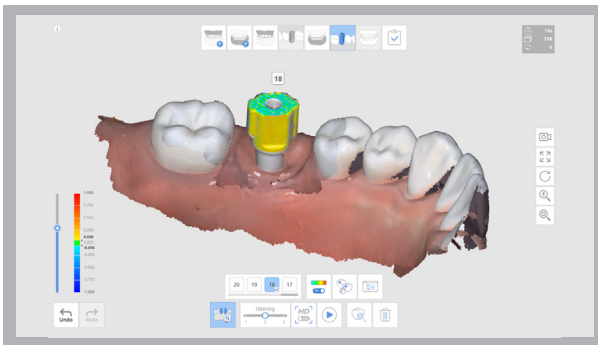


KaVo X 500 Specifications

Category	Description
Tip size	19 x 15.2 mm (WxH)
Overall handpiece length	266 mm
Weight	280g
Imaging technology	3D-in-motion video technology
Color	3D full color streaming capture
Connectivity	USB 3.0
Scanning area	14 x 13 mm

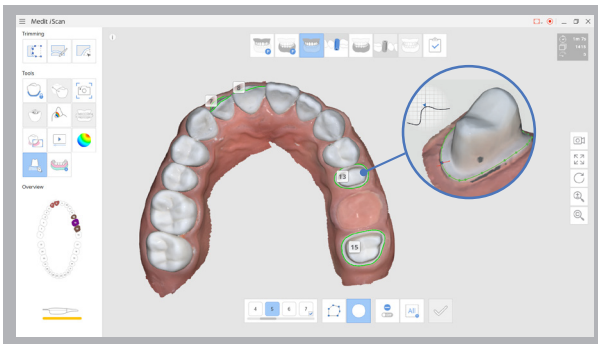


Medit iScan



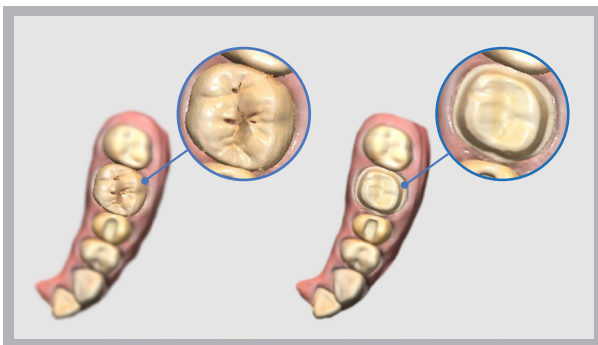
A.I. Abutment & Scanbody Matching

This function allows you to match scan abutments and scan bodies, thus saving time in instances of poor scanning environments. You can select the appropriate library for your tooth. When you scan the corresponding tooth, the scan abutment and scan body are automatically matched and aligned with the scan data. The aligned library data can be used for downstream work such as design. A manual alignment option is also available.



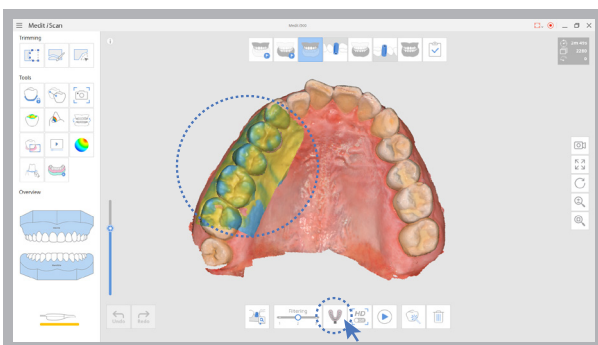
Margin Line Creation

iScan features automatic and manual margin line creation as well as edit functions. While scanning a patient, you can add or edit control points to the prepped teeth scan data in order to draw the most accurate margin line. The created margin lines will be forwarded for more accurate prosthesis design and production along with your order.



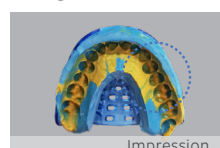
Pre-Operation Scan

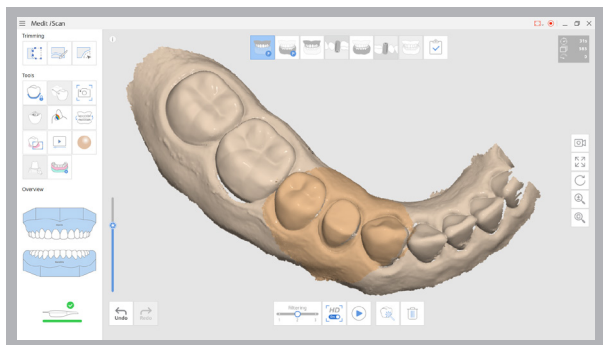
You can perform a pre-operation scan of a patient's teeth and utilize this data for a variety of uses. With this pre-operation scan data, the post-operation scan can be performed more quickly and easily. The data can also be used as reference data in the modeling process to assist you in creating more natural prosthesis.



Impression Scan

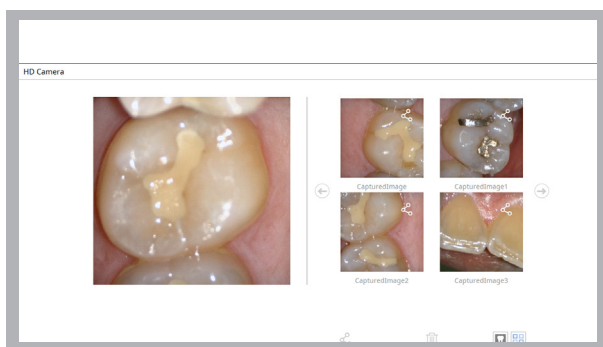
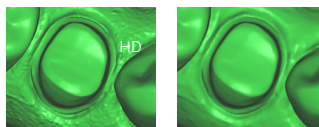
This function supports composite scanning operations which use both embossed oral scan data and engraved impression scan data. With just a simple scan, both data can be sorted and merged in real-time and used for modeling.





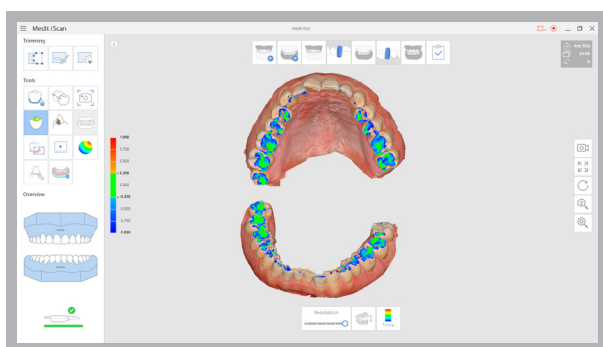
High Resolution Scan

You can select specific parts of the tooth to scan at high resolution. This function allows you to scan in HD only where it is required, enabling efficient management of scan time, data capacity etc. The selected area is displayed in a different color for ease of use.



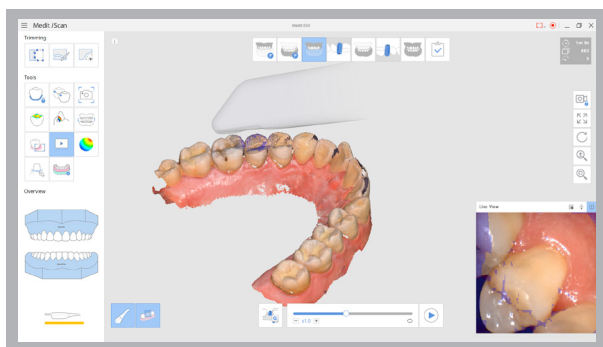
HD Camera

Along with 3D Scan function, this function allows you to use the scanner as intraoral camera to take HD pictures. You can share images with a lab and use them when consulting patients.



Occlusion Analysis

The occlusion analysis function quickly analyzes the occlusal state of the maxilla and mandible, displaying the results in a color map with numerical values. The color map shows the degree of occlusion in different colors and displays the corresponding values when you move the cursor over each area. You can also check the distance between the prepped tooth and its antagonist.



Scan Replay

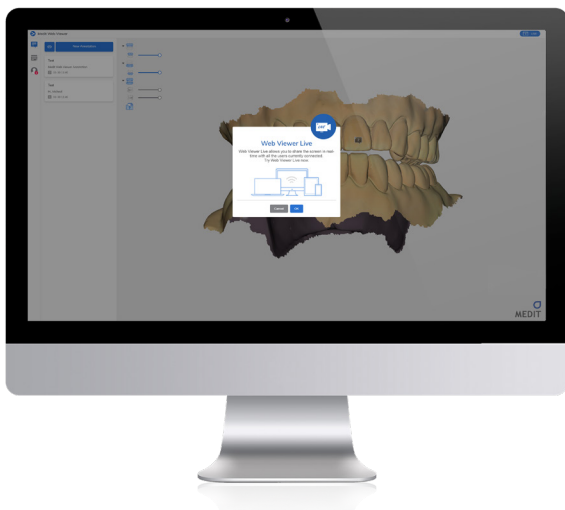
The scan replay function allows you to replay a previous scan process. By virtually showing the scan tip and scan area, you will be able to see how it was scanned, enabling you to identify and improve your scanning methods or habits.

Medit Link

Medit's new workflow management and communication software, Medit Link, is developed to enhance your performance. Its integrated cloud storage and open data architecture ensure that your clinic's performance is optimized. However, everyday CAD processes with real-time workflow management and communication tools will also work.

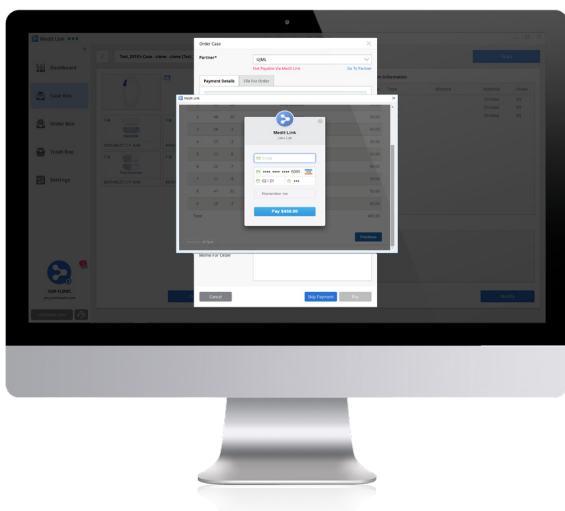
Workflow Management

Medit Link allows tracking of workflows from order to delivery, and can even be linked to CAD/CAM software to improve work efficiency. Medit Link was created to help you manage your workflow in the easiest and most effective way possible, saving you valuable time.



Easy Communication

By integrating direct communication options, you can ask your customers questions quickly to ensure the highest-quality outcomes. This will not only increase the quality of your end-product, but will also save you money and improve your customers' satisfaction in the long run.



Payment Management

Medit Link's billing management system automatically stores and manages your invoice to help you focus on the more important tasks. When you make payment for the first time, the payment information will be safely encrypted and stored in the server. This enables you to make future orders easily with just one click.



KaVo Dental Ltd

3 Furzeground Way, Stockley Park,
UB11 1EZ, Uxbridge
United Kingdom

www.kavo.co.uk