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NEWTOM
ViSIOScan WL

BEYOND VISION

NEWTOM
CONE BEAM 3D IMAGING

PERFECTLY SHARP DETAIL

Wireless 3D scanner that integrates seamlessly with dental practice technology.

NEWTOM ViSIOScan WL

- Always a leading technological innovator, NEWTOM now offers dental practices the ViSIOScan WL wireless intraoral scanner for ultra-precise digital impressions.
- Featuring an accuracy of 20 µm, an 18 mm depth of field, the use of AI and a set of applications and engineering solutions designed to optimise workflow, the ViSIOScan WL boosts the clinical capabilities and efficiency of the dental practice.

ERGONOMICS
With a handpiece weighing just 245 g that also functions as a controller and 2 tips of different sizes, ViSIOScan WL maximises efficiency for the user and reduces chair time for the patient.

PRECISION
Camera with ultra-high frame rate for super-fast scans, optimised with artificial intelligence. Optimal full-arch models with an 18 mm depth of field and 20 µm accuracy.

VERSATILITY
ViSIOScan WL is the perfect tool for multiple fields of application. A portfolio of applications and in-cloud management ensure fully digital workflows; this also streamlines dentist-patient communication.

CONNECTIVITY
Able to be integrated with CBCT devices and equipped with applications that can create a virtual patient, ViSIOScan WL provides practices with added value and ensures long-lasting performance thanks to automatic updates.

LIGHT AND HARD-WEARING

At just 245 g and cable-free, ViSIOScan WL is one of the lightest and most manageable wireless scanners on the market.
It's also highly shock-resistant as it has been designed to protect the internal optics and never lose calibration.

SCANNING AUTONOMY

ViSIOScan WL has an autonomy of 2 hours, which corresponds to approximately 60 scans.
It can thus be used for an entire working day and then put back in the charging cradle, without having to connect it to a cable.
Furthermore, the device has an always-ready reserve battery to extend autonomy if necessary.

To save energy, the handpiece enters sleep mode when not in use.
It immediately reactivates when picked up.

CAN BE WALL-MOUNTED

The charging cradle can be mounted on the wall to free up space on the worktop.

ERGONOMIC DESIGN

One of the lightest scanners on the market, ViSIOScan WL enhances the patient experience and optimises workflows.

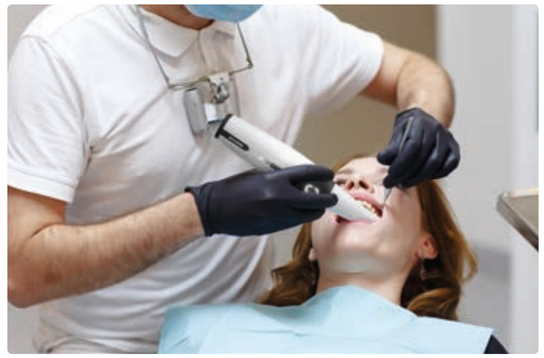
ViSIOScan WL hardware and software components meet the highest standards. Data transmission is extremely fast and, thanks to the latest-generation wireless dongle, has an extensive operating range, without any risk of connection loss. Like transmission, charging is wireless: simply place the handpiece in its cradle.

GYROSCOPE WITH DUAL SCAN BUTTON

ViSIOScan WL allows you to operate without ever moving from the patient chair. The dual acquisition button (start&scan + Mode) lets you control the scanning phases by always using the same finger, even after rotating the handpiece.
Furthermore, an internal gyroscope lets the handpiece communicate with the computer like a mouse, without having to interrupt work to go to the PC.

COMFORTABLE AND PRACTICAL

The ViSIOScan WL has features that ensure stress-free sessions for patients. Scans are super-fast (just 20 seconds for the entire arch) and it's possible to choose between two differently sized tips according to the size of the oral cavity.
Tips are autoclavable to ensure maximum hygiene.



UNCOMPROMISING PRECISION

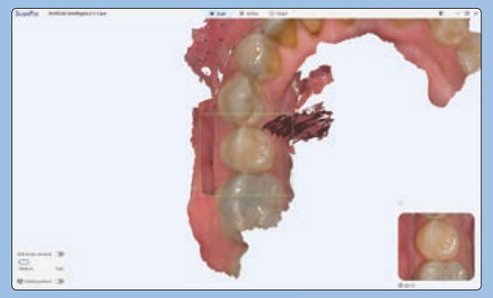
ViSIOScan WL provides all the quality one expects from NEWTOM imaging.

As always, NEWTOM guarantees the highest image quality. The acquisition phase features advanced AI-guided automatisms that deliver clear, defect-free images. Furthermore, ViSIOScan WL also boasts an accuracy of 20µm and a depth of field of 18 mm, one of the highest on the market.
Users have two image display modes at their disposal: one in realistic colours, for effective and engaging communication with the patient, the other with sharp details to investigate even the most complex oral cavity situations.

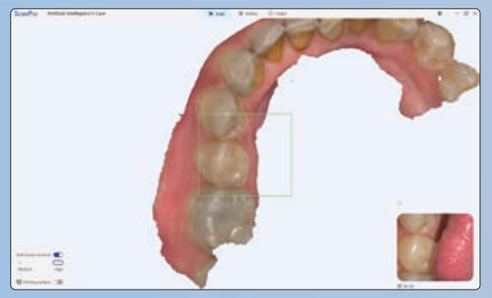
AI-ASSISTED ACQUISITION

Digital models of the dental arches can be obtained extremely quickly thanks to a camera with an ultra-high frame rate.
Adjustable-intensity AI automatically performs real-time removal of artefacts or duplications, soft tissues such as the tongue or lips, as well as fingers or other objects that might affect data quality, thus ensuring defect-free images.

AI OFF



AI ON



20µm SCAN ACCURACY

Thanks to the advanced sensor and proprietary processing software, ViSIOScan WL provides extremely accurate images of the entire arch.

DEPTH OF FIELD

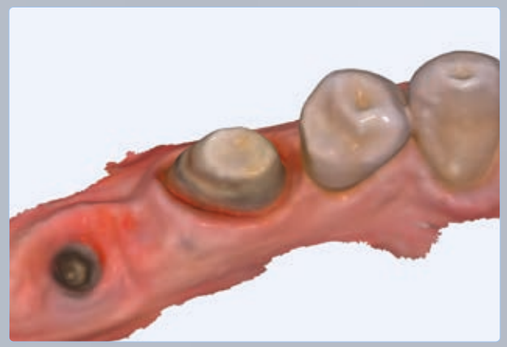
A depth of 18 mm ensures scans have no blind spots, even in interproximal areas and in subgingival margins.

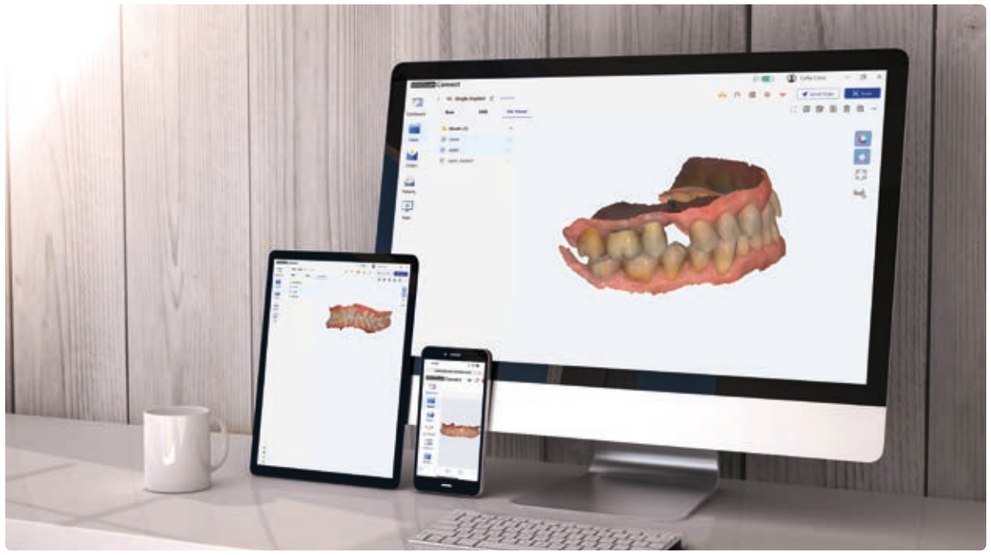
VIVID FILTER

The vivid filter delivers an image with realistic colours, much more understandable for non-experts than a normal medical scan.
This filter lets you communicate and interact more effectively with the patient.

SHARP FILTER

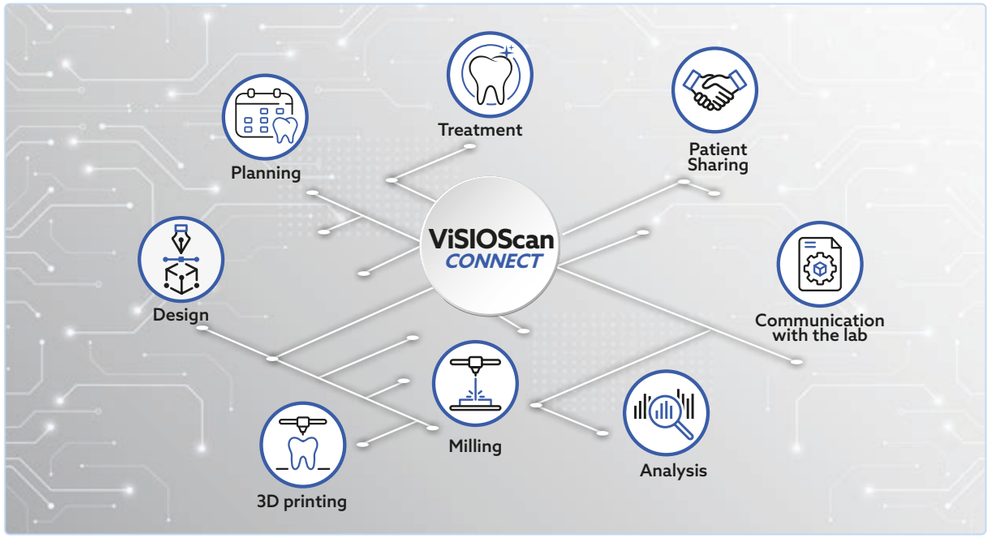
The sharp filter provides an ultra-clear, highly detailed image and therefore allows for precise analysis, even in particularly complex oral cavity situations.





ON ALL THE DEVICES

The digital impression obtained with ViSIOScan WL can be displayed on PC, Mac, laptop, tablet or smartphone. The web browser version of the software, in fact, allows multi-platform use.



SCANPRO

ScanPro is an AI-linked scan software that provides a wide range of tools for linear or interocclusal distance measurements, detecting undercuts, checking scan quality and applying high definition to specific anatomical areas. The obtained impressions have many fields of application, from implantology to orthodontics.

VERSATILE HI-TECH IMPRESSION

Innovative technologies: whenever only excellence will do.

Cutting-edge ViSIOScan WL technology lets you simultaneously obtain 3D images and 2D photographs of the oral cavity; these are made available and can be shared via the Intraoral Camera.
With the ViSIOScan Connect system you can share scans with the patient and the lab, as well as proceed with treatment and planning.
Furthermore, plug-ins for the integration of 3D printers or third-party services allow for expansion and completion of the digital workflow.

IN-CLOUD DATA SYNCHRONISATION

The data auto-synchronization tool makes data immediately available, both locally and in-cloud, with all patient models and images.
You can verify, share or request a restoration from the laboratory or service centre at any time, from any device, even remotely.

INTEGRATED APP STORE

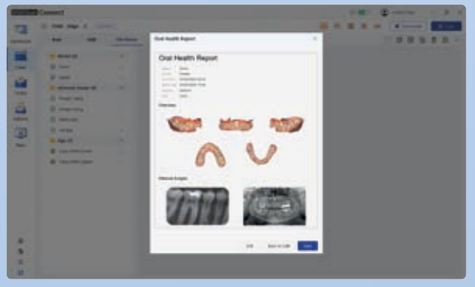
The APP Store lets you install and update applications to maintain peak ViSIOScan WL performance at all times, preserving its value over time.

FULL DIGITAL WORKFLOW

Maximum efficiency with fully digital workflows.

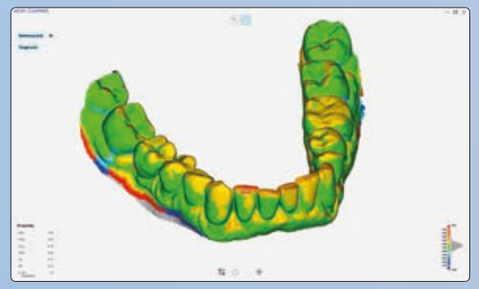
ViSIOScan WL can be integrated with CBCT devices. It lets you create a virtual patient, design smiles, compare oral health conditions, work in Chairside mode, engage in prosthetically-guided implant surgery and raise the level of services offered by the practice.

ORAL HEALTH REPORT
Automatically produces a patient oral health report.

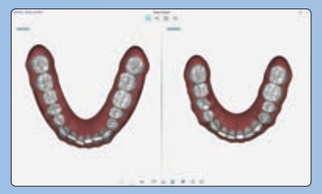


MODEL BUILDER
Creates, saves and prints a digital plaster cast collection.

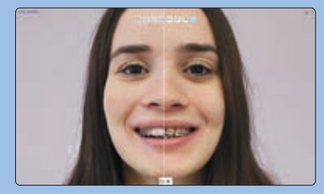
MESH COMPARE
Lets you compare two scans and see how treatment is progressing.

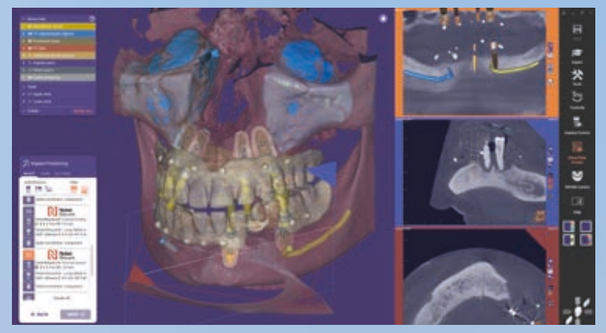


ORTHO SIMULATION
Creates a virtual plan that can be shown to the patient to illustrate treatment.



SMILE DESIGN
Lets you explain give patients an understandable, effective explanation of treatment.





exoplan®
exoplan is an advanced tool that lets you merge digital images such as face scans, optical impressions, 3D X-rays and implant planning via a guided procedure. The result is a user-friendly digital workflow for implant planning and surgical guide design.
To optimise use of exoplan, exocad provides a range of over 780 libraries: undated daily, these contain more than 13,000 validated implants and more than 3,300 surgical components.

exocad Smile Creator®
Smile Creator is a powerful restorative treatment digital planning solution. Thanks to Chairside - an integrated exocad module - digital impressions can be matched with patient photos or face scans, creating in-CAD smile designs that allow for a preview of restoration outcomes.
This allows assessment of the aesthetic relationships between teeth, smile and face, providing dental technicians with a realistic preview for the treatment plan.

NEWTOM
CONE BEAM 3D IMAGING

HANDPIECE	
Weight	245 g
Dimensions (mm)	248 x 48 x 37
Power supply	Not necessary
Remote Control	YES
Keys	(Start scan & Mode)
Connectivity	Wireless
Batteries	2 pcs
Charging	Wireless system incorporated in the handpiece base (also for backup battery)
Duration of a single battery	More than two hours with continuous scanning (about 60 cases)
SCAN	
Accuracy (full arch)	20 µm
Acquisition depth	18 mm
Field of view (mm)	16 x 14 (with Large Tip) 12 x 12 (with Small Tip)
Calibration	Not necessary
Tip dimensions	22 x 18 mm (with Large Tip) 18 x 16 mm (with Small Tip)
Sterilisation	Autoclavable, over 60 cycles - 134°C for 4 minutes
SOFTWARE FUNCTIONS INCLUDED	
ViSIOScan Connect	Patient data and image management
ViSIOScan Connect WEB	Patient data and image management web platform
Auto-Synchronisation in the Cloud	YES
APP Store	Clinical and communicative applications can be downloaded, installed and updated
Scan Acquisition	Acquisition software with clinical tools (measurement, drawing of margin line, undercut check, etc.)
Artificial Intelligence	YES (to remove soft tissues or artifacts from the scan)
APPS INCLUDED	
Smile Design	Aesthetic design of smile (requires acquired extraoral photos captured with camera or other device)
Oral Health Report	Report to share patient's oral health status with the patient or digital partner
Compare	Comparison of different acquisitions and monitoring of treatment progress
Ortho Simulation	Orthodontic simulation performed via AI on digital models of the patient (for communicative purposes only)
Model Builder	Finalisation of models and preparation for printing (digitalization of the plaster cast collection)
MINIMUM AND RECOMMENDED PC REQUISITES	
Supported operating systems	Microsoft® Windows® 10 (Professional 64 bit) and 11
Processor	LAPTOP: 11th generation Intel® Core™ i5-11400H or AMD Ryzen™ 7 5700U (minimum) 11th generation Intel® Core™ i7-11800H or AMD Ryzen™ 7 5800H (recommended) DESKTOP: 10th generation Intel® Core™ i5-10600 or AMD Ryzen™ 5 3600 (minimum) 11th generation Intel® Core™ i7-10700 or AMD Ryzen™ 7 3700X (recommended)
RAM	16 GB (minimum), 32 GB (recommended)
Graphics card	LAPTOP: Nvidia GeForce GTX 1660 6 GB (minimum), Nvidia GeForce RTX 2070 Super 8 GB (recommended) DESKTOP: Nvidia GeForce GTX 1660 Ti 6 GB (minimum), Nvidia GeForce RTX 2060 Super 8 GB (recommended)
Ports	USB 3.2 Gen1 Type-A
Monitor	120 x 1080, 60Hz
Conformity	IEC60950, IEC60601-1, IEC60601-1-2 (EMC)

CE

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Making Your Life Better.

BU MEDICAL EQUIPMENT

SEDE LEGALE ED AMMINISTRATIVA
HEADQUARTERS
Cefla s.c. - Via Selice Provinciale, 23/a
40026 Imola - Bo (Italy)
tel. +39 0542 653111
fax +39 0542 653344

STABILIMENTO
PLANT
Via Bicocca, 14/c
40026 Imola - Bo (Italy)
tel. +39 0542 653441
fax +39 0542 653601

CEFLA NORTH AMERICA
6125 Harris Technology Blvd.
Charlotte, NC 28269 - U.S.A.
Toll Free: (+1) 800.416.3078
fax: (+1) 704.631.4609

NVISWLGB125I500 07/2025