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DIGITAL LIGHTNESS



3Di IOS

3D DIGITAL IMPRESSION INTRA ORAL SCANNER

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3Di IOS

THE INTRAORAL SCANNER AS LIGHT AS A TURBINE

With 3Di IOS, you can, at last, easily perform a precise intraoral examination that's pleasant for the patient and advantageous for the dental surgery.
Unlike traditional manual impressions, 3D scans involve no patient discomfort. What's more, workflows have all the speed and accuracy that only digital technology can provide.

WHY TAKE A DIGITAL IMPRESSION

- Makes the experience more pleasant for the patient.
- Ensures precision diagnostics.
- Gives users the benefits of a digital workflow.
- Reduces in-chair and treatment times.
- Reduces process errors.
- No need to purchase impression materials.



WHY CHOOSE THE 3Di IOS

POWDER FREE
3Di IOS is completely Powder Free. Active Stereo Imaging technology eliminates the distortions produced by reflective surfaces, thus avoiding use of tiresome powders.

COLOUR SCANNING
The final 3D model is displayed in real time simply by pressing the on/off switch on the handpiece. Colours are realistic and images highly detailed, ensuring optimal interpretation of the site of interest.

2D VIDEO CAMERA
You can also use 3Di IOS as an intraoral video camera to capture and save 2D images. As scans are being made, it's also possible to take HD 2D photos.

STABILITY/PORTABILITY
Easy to move, the base can be placed on any support surface. Careful design ensures stability and puts the handpiece within comfortable reach.

USB 3.0
The USB 3.0 port allows connection both workstation and notebook.

AN ADVANTAGEOUS INVESTMENT
3Di IOS guarantees a high return on investment, combining ultra-innovative technology with affordability. In addition to doing away with the need for impression materials and saving time, it also enhances customer satisfaction.

CLEAR-CUT COSTS
3Di IOS purchasers make just one up-front payment; no license renewal fees, no scan fees, no extra costs.

OPEN SYSTEM
3Di IOS scan files can be exported in three different formats. The most commonly used and universal STL, PLY and OBJ which also contains information on colour texture.

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THE DENTAL SCANNER DESIGNED BY DENTISTS

3Di IOS incorporates the combined experience of multiple dentists. To begin with, the ergonomics of the handpiece - the heart of the system - has been designed to adapt to a range of individual grips. Latest-generation Active Stereo Imaging has allowed considerable lightening of components inside the handpiece. At just 150 grams, it's one of the lightest intraoral scanners on the market.

SCAN KEY
A single on-handpiece key to start and stop the scan without having to use the computer.

AUTOCLAVABLE TIP
Comes with 3 autoclavable tips with a lifespan of 100 cycles (134°/4 minutes).

ULTRALIGHT HANDPIECE
Just 150 grams.

360° ADJUSTABLE TIP
Lets users maintain the correct grip when switching between Upper Arch and Lower Arch.



ANTI-FOGGING SYSTEM
A ventilation circuit on the handpiece stops the prism fogging up.

STABLE BASE
A single, strong, stable base. On cabinet and drawer unit surfaces or directly on the dental unit module, the handpiece is always housed in a safe, ergonomic position.

ENTER THE DIGITAL AGE

Handpiece weight and bulk have been minimised, providing considerable benefits for dentists.

The ergonomics easily adapts to different scan techniques and even the most sensitive patients find it comfortable.

Intuitive and essential, the software interface guides the user all the way to scan validation in just a few clicks.

The USB connection lets the scanner be interfaced with portable computers.

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DISCOVER DIGITAL WORKFLOWS



CASE PRESCRIPTION



INTRAORAL SCAN



CASE SHARING



DIGITAL SMILE DESIGN*



DENTAL TECHNICIAN LAB

FULL DIGITAL IMPRESSION WITH 3Di IOS

From prescription to sending the impression to the dental technician, everything proceeds quickly, smoothly and error-free. In-chair patient waiting times have been considerably reduced, and labs can send real-time feedback.
Being able to export in the STL, PLY or OBJ formats means files are compatible with any sharing system, also via e-mail.

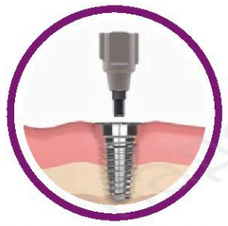
*3Di IOS is compatible with Digital Smile Design software, not supplied.



CASE PRESCRIPTION



INTRAORAL SCAN



INTRAORAL SCANBODY



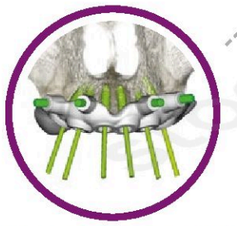
CASE SHARING



DENTAL TECHNICIAN LAB



CBCT



TEMPLATE PROJECT IMPLANT PLANNING



TEMPLATE PRODUCTION

GUIDED SURGERY WITH 3Di IOS

When used in combination with several CBCT units, 3Di IOS lets users perform diagnosis, implant planning and surgical template planning. Intraoral STL, PLY or OBJ scan data and natural colour soft tissue scans are merged with DICOM data.

IMPLANT PROSTHESES WITH 3Di IOS

The benefits of going digital become even more evident in the case of prosthetic implants. Making impressions on implants is much simpler than with traditional materials. What's more, 3DiScanSuite software incorporates a specific implant treatment scan flow.

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MAXIMUM PERFORMANCE, MAXIMUM COMFORT



LCD TOUCH SCREEN

3DiScanSuite scan software has been developed for Touch Screen use. TouchFriendly keys and a seamless interface means the software can be used even where space is limited.



CORRECTION FUNCTIONS

3Di IOS is also a diagnostics tool. Using various crop tools, you can correct the digital impression immediately with the patient still in the chair, thus avoiding any unforeseen events.



IMPLANT SCANNING

The benefits of digital intraoral scans are even more evident in the case of implants. Workflows include gum scans and scanbody functions that can be overlapped to ensure the lab achieves accurate, predictable results.



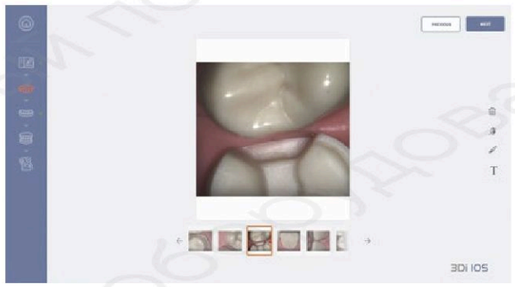
MEASUREMENTS

A 3D ruler lets you take precise 1:1 measurements directly on the scans and between the arches: a function that's useful in the case of mini-invasive treatment.



BI-LATERAL VESTIBULAR SCANNING

For extended or complete arch scans, the software automatically activates - according to arch extension - the bi-lateral bite scan function. Indispensable for correct acquisition of occlusion data.



2D VIDEO CAMERA

HD photos can be taken directly during the scan phase. These are automatically saved so they can be shared with the lab.



SCAN DATA SHARING

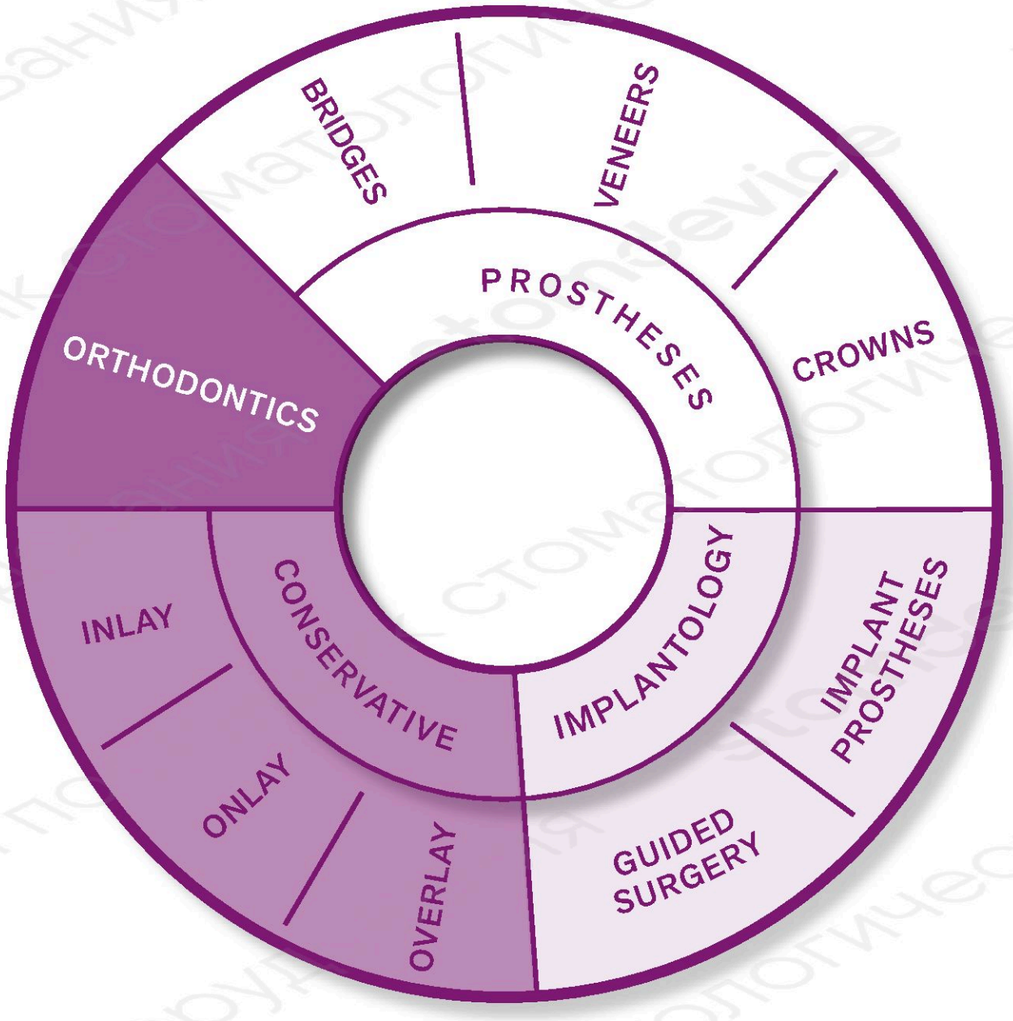
Scan files can be sent as you prefer: via generally available internet cloud services, via a lab-recommended cloud service or via e-mail. Small scan files means data can be sent via normal ASDL lines in a matter of seconds.
If preferred, scans can also be exported directly onto a USB storage device.

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3Di IOS FIELDS OF APPLICATION

3Di IOS covers numerous treatment areas, from orthodontics to implantology.
Real-time interaction with the dental technician's lab - with the patient still in the chair - lets you plan out the best project strategy.



TECHNICAL DATA

EQUIPMENT	OPTIONAL
3Di IOS Intraoral Scanner 3 autoclavable tips 2-metre USB 3.0 cable 100-240 V power adapter 3DiScanSuite software, iRYS	Autoclavable tips 3-pack

SCAN	
Surface preparation	Without de-lustre spray
Rendering display	Colour
Scan principle	Active Stereo Imaging
Scan depth	From 0 to 15 mm

SCANNER	
Handpiece dimensions (L x D x H)	265 x 45 x 45 mm
Base dimensions (L x D x H)	193 x 99 x 72 mm
Handpiece weight	150 g
Handpiece-base lead	1.8 m
Power supply	100-240 V AC 50/60 Hz
PC connection	1x USB 3.0
Tip	Removable, in Polymer Autoclavable, Bio-compatible

SOFTWARE	
Outgoing file format	STL, PLY, OBJ
Touch Screen interface	■
Implant scan	■
Bi-Lateral Vestibular scan	■
3D measurements	■
Scan correction	■

RECOMMENDED SYSTEM REQUISITES	
Processor	≥ 4 Core Intel i7 ≥ 2.1 Ghz clock or higher
RAM	16 GB DDR4
Video card	NVIDIA GeForce GTX ≥ 1070 / RTX* ≥ 2060
USB	1 USB 3.0 port + 1 USB port
Operating system	Windows 10 (not Windows 10 S)

*Check for video card compatibility with your dealer.

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02/2020 MRSINGB201S00

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