Pure digital orthodontics!









orthoX[®] from DENTAURUM stands for pure digital orthodontics: your introduction into the digital future!









The new 3D model scanner orthoX[®]scan including the integrated archiving software orthoX[®]file were specially coordinated to meet the requirements of the orthodontic practice.

Capturing patient models in open STL data format does not only enable digital model archiving but also free use of the data. The data can be used for analyzing and creating of models in the 3D-printing technique. In addition, there is also the possibility of utilizing digital treatment solutions such as aligner therapy or digitally planned, highly precise indirect bonding techniques. The STL data also provide an optimum starting basis for future developments in orthodontics.



ortho

The advantages of the 3D model scanner and integrated orthoX[®]file software can be described in a few words: **compact // precise // quick // easy // compatible.**

The focus on digital realization of orthodontic treatment sets new standards and will appeal equally to beginners and experienced users of digital techniques.

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Intuitive //

The scan procedure is performed in only a few steps and settings.

Precise and quick //

The sophisticated stripe-light projection technology enables a high scanning accuracy of $< 20 \,\mu$ m and a scan duration of only 45 sec. per jaw.

Space-saving //

Due to its compact dimensions and design the unit is suitable for use as a space-saving desktop solution.

Hygiene-friendly //

The unit has an impact-resistant and easy-to-clean metal housing.



Pure orthodontics //

Specially developed software to meet orthodontic requirements for adding a base to a model and archiving.

Versatile //

The models are orientated in the correct position to the occlusal, median and tuber plane.

Compatible //

An open system – the software exports data in STL format.









Functions

Scanning individual models of jaws, dental arches and based models

Operation

- Reliable placement of models using the model holder
- A single key ensures very easy operation
- The colored status display provides optical control
- Plug & Work for easy installation

Minimum system requirements

- Windows[®] 7*, 64 bit
- Intel[®] Core[™] i5** processor
- 8 GB RAM
- NVIDIA[®] GeForce[®] GT*** graphics card
- 500 GB hard drive
- network compatible





Functions

- Control of the 3D model scanner orthoX[®]scan
- Management of a digital model archive
- Patient-specific assignment of the models
- Scanning models or loading STL data from a memory medium
- Adding a three-dimensional base to models, dental arches and already based models
- Creation of STL data for further digital processing
- Original data are stored unalterably (secure documentation)

Operation

- Simple user interface with a Model Wizard for logical, step-by-step guidance through the individual stages
- Analyze digitized models from different views
- Patient-specific labeling and archiving of models
- Plug & Work for easy installation (setup program stored in the internal memory of the scanner)

Interfaces

■ OnyxCeph^{3TM} interface for utilizing other solutions for diagnosis, treatment planning and patient consultation









View of the jaw model with occlusal, median raphe and tuber plane.







Simultaneous display of the occlusal, lateral and anterior view of the model.

Setting up and connecting

Carefully remove the 3D model scanner orthoX[®] scan from the packaging and connect to the power supply using the power cable.

Initial installation

Open the internal memory of the orthoX[®]scan in the Explorer and run the setup file.

Connect the orthoX[®] scan with the computer using the USB cable.

The program icon of orthoX[®] scan appears on your desktop.

Switch on the orthoX[®] scan.

Run the ".exe" file in the "orthoX-file" folder as the final step; if required, also run the ".exe" file in the "OnyxCeph" directory.

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