NEWISE

EN

Integrated intelligence, **digital clinical support**.

Your complete digital assistant.

In the constantly-evolving **medical sector** , there’s a growing need for digital tools that make everyday tasks more efficient and improve the quality of care provided to patients.

NEOWISE is an innovative **software** designed to **assist practitioners** as they perform their daily routines by integrating **advanced functions** that streamline clinical and communication tasks

Single interface

Centralised data management lets you access a patient's images, X-rays, renderings, videos and documents via a single interface, streamlining the decision-making process and smoothing cooperation between teams from different departments.

Simple and user-friendly

Users can browse the software’s features with ease via an interface that is designed to enhance efficiency and reduce learning times.

Safety

The software provides advanced secure storage options and automatic backup of patient images and data. Data is encrypted for secure storage yet remains easily accessible.

Versatility

Neowise integrates seamlessly with a wide range of third-party devices and software, ensuring uninterrupted workflows. It supports standard protocols such as DICOM for medical imaging and also provides several tools that allow advanced customisation.

Customised user profiles

Interface and functions can be adapted to your specific needs thanks to user profiling: permissions and access to functions can be customised according to the roles and preferences of each user in the practice.

Artificial Intelligence

Process automation, powered by several patented AI functions, helps reduce operating times, improving efficiency and reducing workloads.

Data traceability

Full traceability of both patient and user data, including a patient-specific dose register (EURATOM D.L 101/2020).

Privacy and security

The software is designed to comply with the most stringent international privacy and data security standards. All patient information is encrypted and managed securely to maximise confidentiality.

A software for everyone.

Whether used in a small practice or a large clinic, **the software adapts to growing digital demands** by incorporating customisation tools/features that respond **to the needs of different facilities** and **specialisations**.

Fields of application

- Medium/large X-ray centres
- Small, medium-size and large clinics
- Dental practices
- Hospitals
- Field hospitals
- Universities

Specialist areas

- Conservative surgery
- Maxillofacial surgery
- Prosthetic surgery
- Endodontics
- Gnathology
- Implantology
- Cosmetic dentistry
- Prosthetic dentistry
- Orthodontics
- Parodontology
- Radiology

Types of data managed

- Panoramic images
- Ceph imaging
- Intraoral X-ray images
- CBCT
- Patient images and photographs
- Face scans, capture with intraoral scanner
- Patient-specific documents (e.g. clinical assessments, reports)
- Video

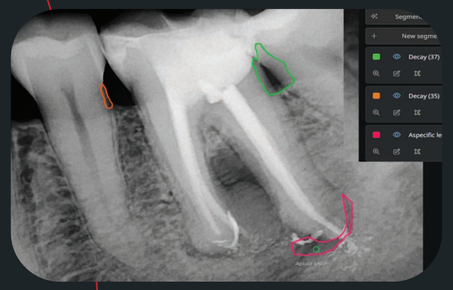
Possible to configure access with dedicated permissions for:

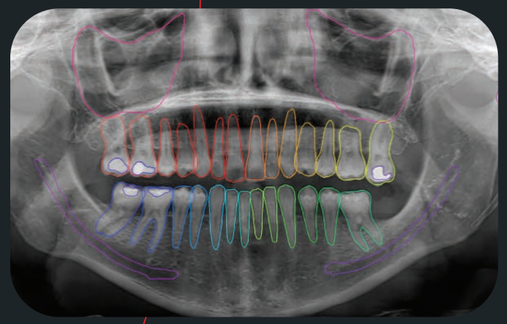
- Medical personnel
- Assistants
- Secretarial and administrative staff
- X-ray screening experts
- Technical support

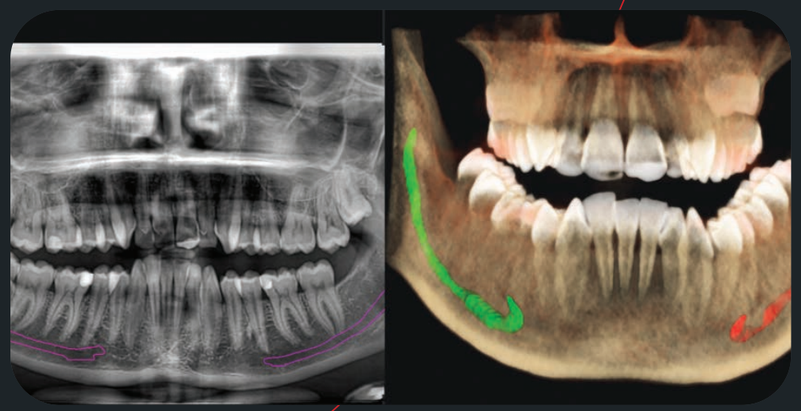
2D Viewer

Ability to simultaneously view and compare multiple 2D and 3D images of any type compatible with the viewer. This streamlines comparison of clinical information and enhances diagnostic capacity.

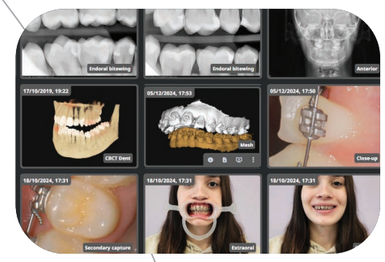
Powerful AI tools, such as patented anatomical and pathological segmentation for both panoramic images and intraoral X-rays, provide valuable support for clinical analyses.







3D Viewer

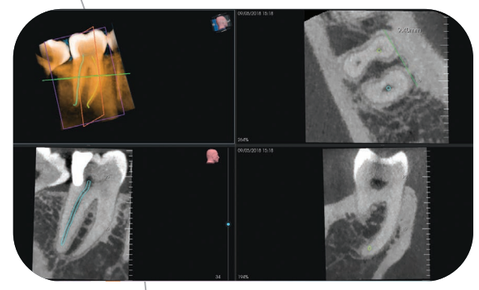


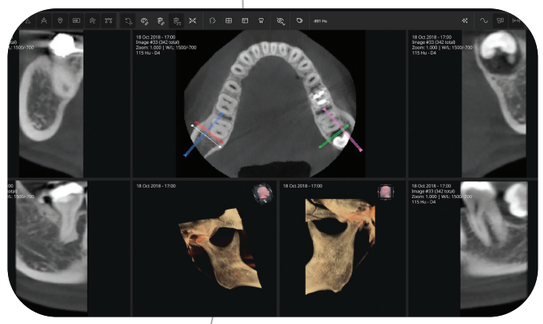
Comprehensive merging of 3D data allows for the combined display of CBCT, Facescan and intraoral scans

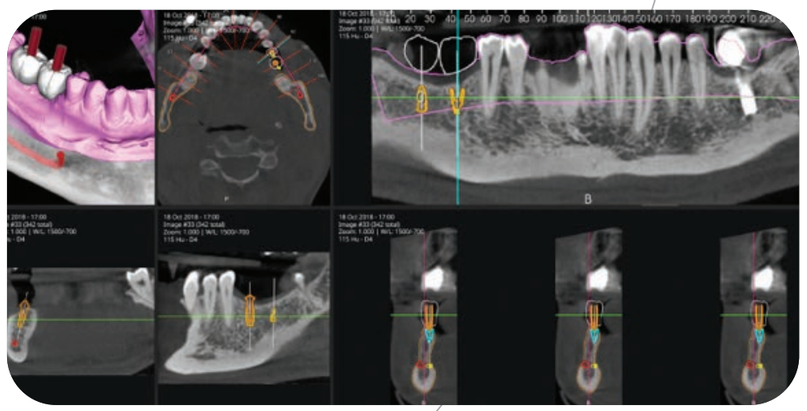
Specific views for Endodontics, Implantology and analysis of the temporomandibular joint.

Segmentation **tool** to create tooth surface models and arch models.

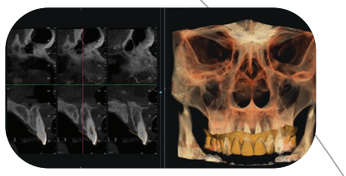
Root canal tracing, implant placement, insertion angle assessment and preview of aesthetic outcomes, with relative simulation of dental crowns.

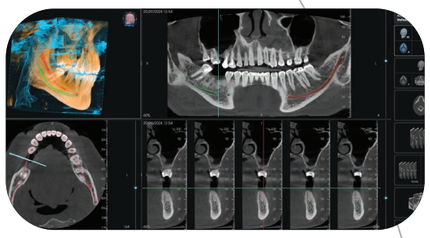


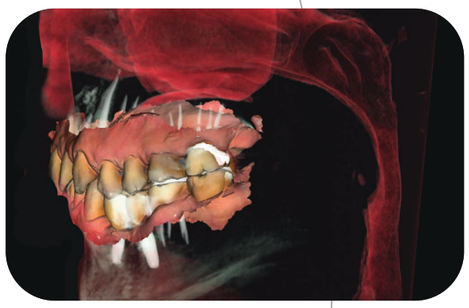


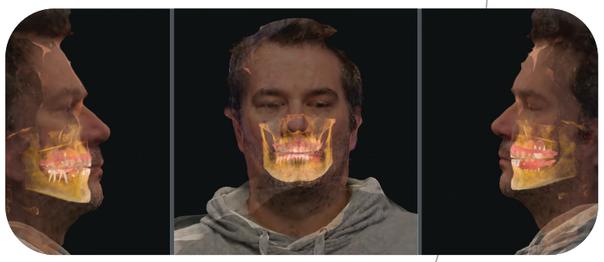


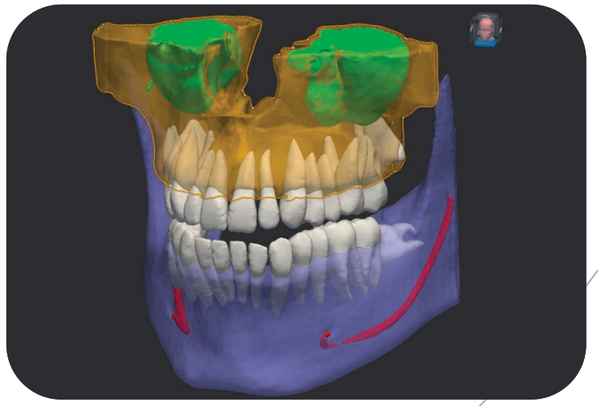
3D Viewer





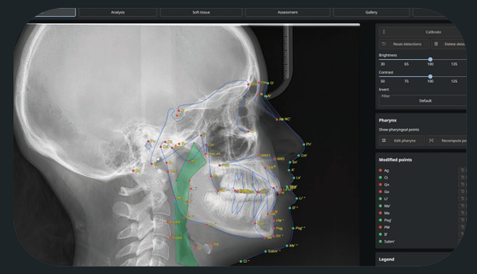


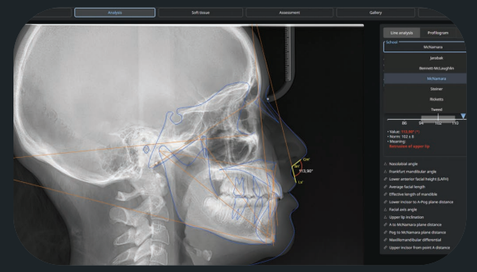


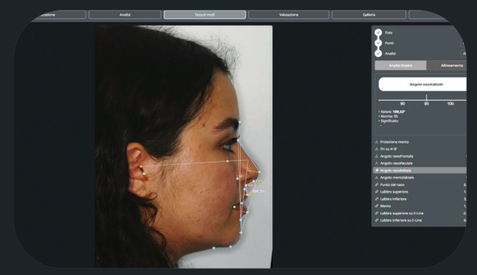


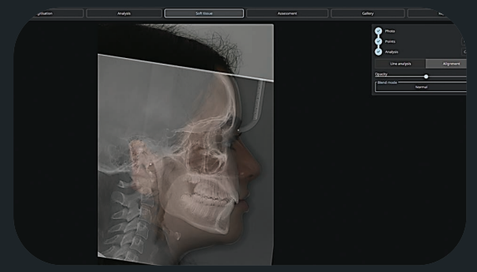
An **AI-powered** practice optimises workflows, offering functions that allow **tracing of the mandibular nerve** and the **panoramic arch**, automatic matching of intraoral scan and CBCT and segmentation of anatomical elements in CBCT.

Cephalometry module





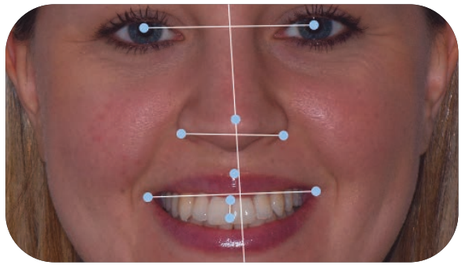


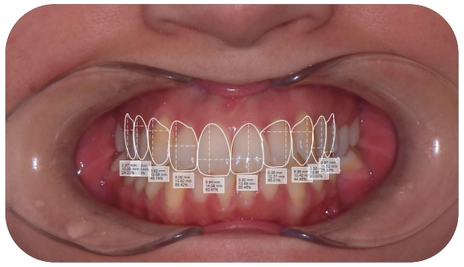


The cephalometry module uses AI to automatically identify cephalometric points and make a detailed analysis in just a few seconds.

- Cephalometric analysis, with users able to select from among different schools: Jarabak, Bennett-McLaughlin, McNamara, Steiner, Ricketts, Tweed, Downs
- Patented AI-powered analysis of the Pharynx and related analysis of Obstructive Sleep Apnoea Syndrome (OSAS)
- Possibility of AI-powered overlay of patient photo onto X-ray image

Smile Design module





The Smile Design module lets you simulate the aesthetic results of dental procedures such as restorations and prosthetics. Being able to preview the aesthetic result also streamlines patient-dentist communication.

Thanks to **artificial intelligence**, the software analyses the patient's photos and automatically suggests the best aesthetic simulations. This makes it easier to communicate with the patient and improves the accuracy of the previewed results.

Minimum system requisites

2D display only:

- CPU: i3 12th gen
- RAM: 16 GB
- GPU: Intel integrated 1GB
- HD: 250 GB SSD
- OS: WIN 10/WIN 11

3D display only:

- CPU: i5 13th gen
- RAM: 32 GB
- GPU: AMD RADEON PRO W6400
- HD: 500 GB SSD
- OS: WIN 10/WIN 11

Combined use of 3D display and AI:

- CPU: i5 13th gen
- RAM: 32 GB
- GPU: NVIDIA A2000 12GB
- HD: 500 GB SSD
- OS: WIN 10/WIN 11

Use together with an intraoral scanner:

- CPU: i5 13th gen
- RAM: 32 GB
- GPU: NVIDIA A2000 12GB
- HD: 500 GB SSD
- OS: WIN 10/WIN 11

Use in combination with third-party image analysis products:

- CPU: i5 13th gen
- RAM: 32 GB
- GPU: NVIDIA A2000 12GB
- HD: 500 GB SSD
- OS: WIN 10/WIN 11

NEOWISE

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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