

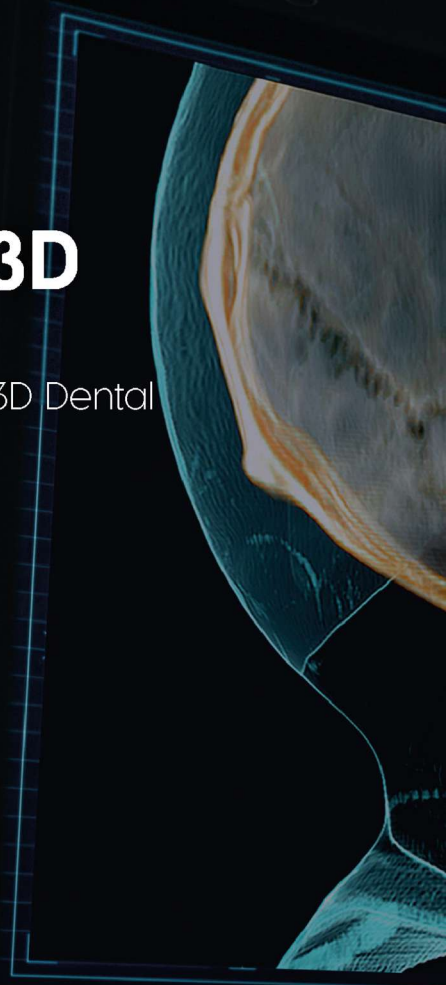
# OnDemand3D

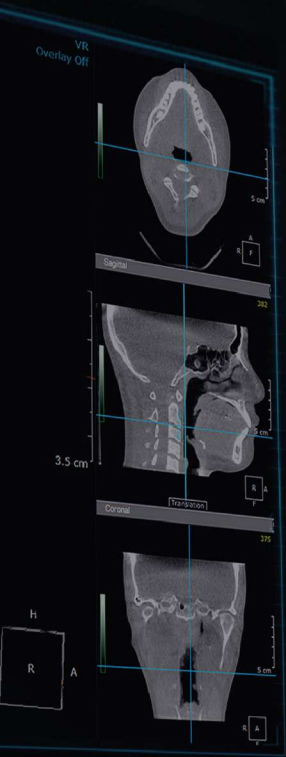




# OnDemand3D

The beginning of your complete 3D Dental  
imaging solution OnDemand3D





**20+**

Years in the market

**200+**

Global Universities

**20+**

Countries

**2000+**

Dissertations

# Digital Dentistry Has Never Been Better

OnDemand3D is a world leading 3D imaging software that delivers state-of-the-art innovations with a variety of groundbreaking dental solutions in Digital Dentistry.



## | Why OnDemand3D?



### CONVENIENT DATA MANAGEMENT

Manage patient data effortlessly with OnDemand3D. Offering you everything from data management to remote PACS server, OnDemand3D Server and cloud service. Load your data from your private room, the consultation room and the operatory even from other hospitals.



### ACCURATE DIAGNOSIS & ANALYSIS

Diagnose and analyze patient data accurately with powerful tools OnDemand3D has to offer, such as 3D rendering, segmentation, superimposition, and implant simulation. Show your analysis during consultation session leading to a better understanding and visualization of their treatment plan.



### DIGITAL PLANS MADE INTO REALITY

OnDemand3D goes beyond surgery planning software, providing you with a total care solution such as surgical templates, surgical replicas, and custom abutments based on your surgical plans. Use our products made according to your surgical plans for a safe and accurate surgery.

## | OnDemand3D Options



### APPLICATION

Application includes most of the available modules including 3D(segmentation, volume measurement, STL export) and Fusion along with advanced dental features to assist with diagnostics and implant planning. Allows for PACS communication.

Optional Available Modules \_\_\_\_\_

DBM DLB Dental Fusion 3D

Report X-Report 3D Ceph In2Guide XImage

### DENTAL

Dental is a lighter version of the Application, and includes dental treatment and implant planning features such as MPR layout, implant placement, verification and TMJ analysis. Allows for PACS communication.

Optional Available Modules \_\_\_\_\_

DBM DLB Dental Fusion 3D

Report X-Report 3D Ceph In2Guide XImage

### SERVER

Provides a seamless solution for 2D and 3D DICOM image and multi-format data streaming to client versions and patient data storage.

Connects both internal and external users to patient data and saved project files at any time and any place with the help of an Internet connection.

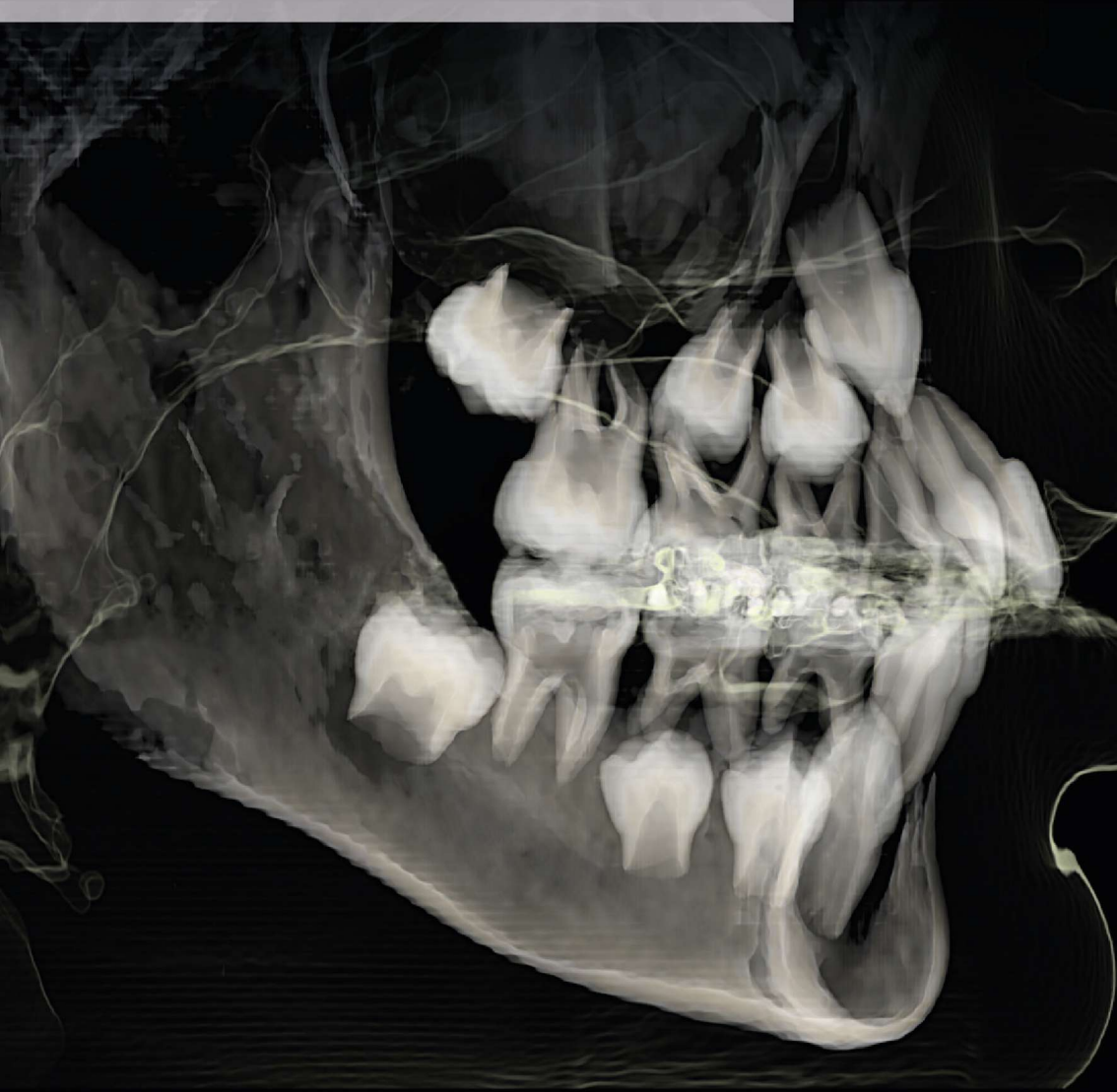
### PROJECT VIEWER

A wallet-friendly option for users who want several workstations to share data within their clinic without having to buy multiple copies of Application. With no database of its own, Project Viewer directly accesses to the server for patient project files and save changes to the server.

It is possible to customize the OnDemand3D options and modules in accordance with customer needs.

# Powerful 3D Rendering

OnDemand3D has all the tools necessary for managing and utilizing patient data.





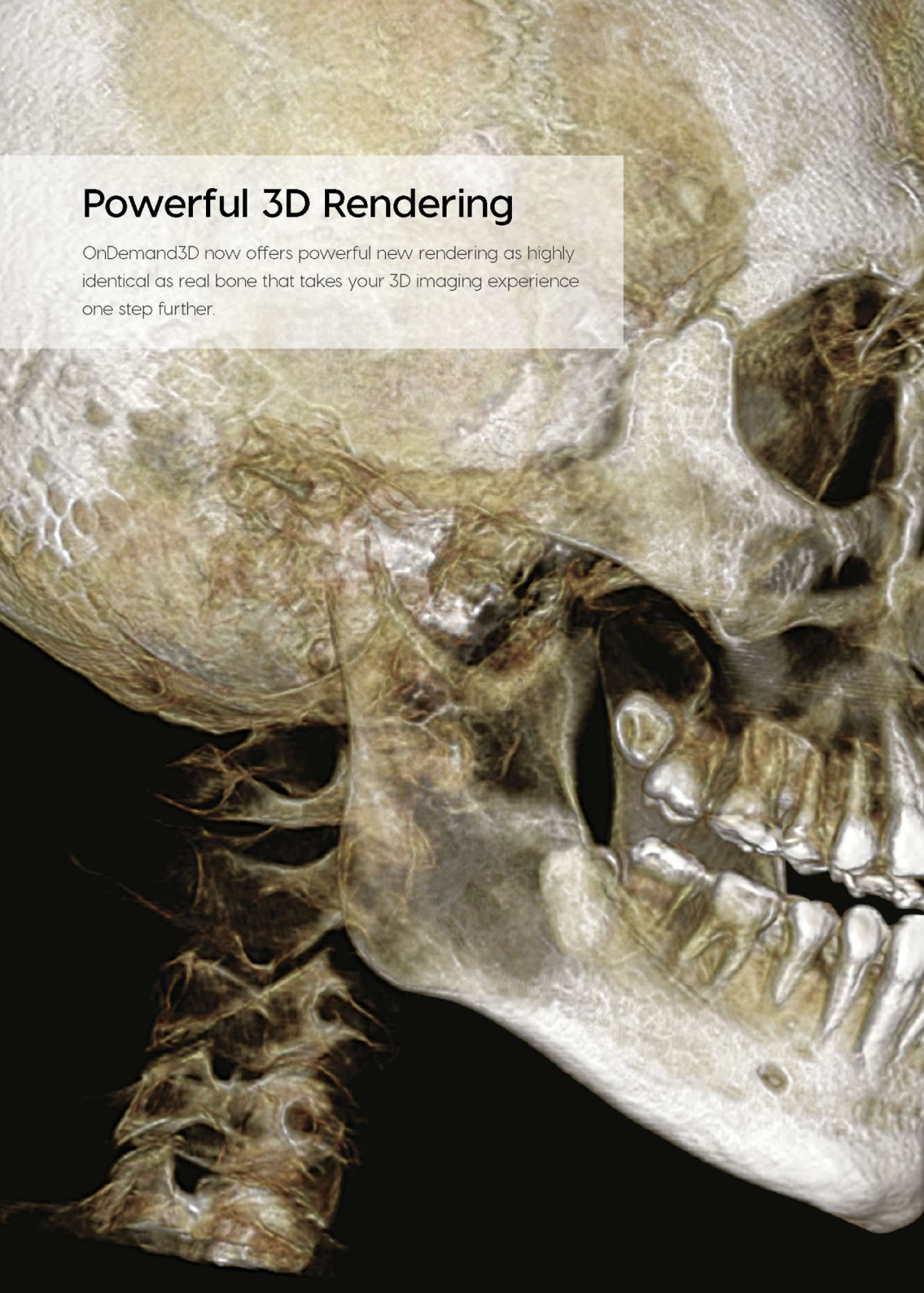
| OnDemand3D Options



Option item	OnDemand3D Option information			Customer information	
				New customer	Existing Customer
1	Server	Dental	Project Viewer	✓	✓
2	Server	Application	Project Viewer	✓	✓
3	Server	Dental	-	✓	✓
4	Server	Application	-	✓	✓
5	Server	-	Project Viewer	✗	✓
6	-	Dental	-	✓	✓
7	-	Application	-	✓	✓
8	-	-	Project Viewer	✗	✓

## Powerful 3D Rendering

OnDemand3D now offers powerful new rendering as highly identical as real bone that takes your 3D imaging experience one step further.





## | OnDemand3D Modules

### DBM

As its name suggests, the DBM module manages the user's Databases. Here, users can easily sort through patient DICOM data, project files, reports and attachments including image files or surface mesh data. Import/export data from a Remote PACS server, write CD/DVDs, and view STL data straight from this module. For integrated data management, don't forget to purchase X-image, which further allows you to arrange and organize patient data with everything you need in one window.

### DLB

Dynamic LightBox is a simple image viewer to browse through slice images easily and quickly. This module provides axial, sagittal and coronal views and provides functions such as an Oblique Slice View, 3D Zoom and virtual endoscopy.

### Dental

The Dental module has all of the handy tools used for diagnosis and treatment planning including implant planning with real-size implant fixtures from major manufacturers complete with virtual teeth and every view format needed by dentists such as TMJ, bilateral TMJ, panoramic, and cross-sectional views. Dental module also features 3D volume rendering, implant verification and MIP rendering functions.

### 3D

The 3D module provides state of the art tools for 3D visualization, segmentation, and analysis of DICOM images. The 3D module has various rendering modes such as VR (Volume Rendering), MIP, minIP, and X-ray. After segmentation, users will be able to export objects as STL data.

### Report

The Report module keeps track of captured images and allows users to create quick reports in HTML format. The Report module supports the DICOM extended functions of capture, save, convert and print. Send captured images to PACS Servers or print on film, all from this module.

### Fusion

Fusion is a visualization tool for superimposing two sets of DICOM data or for stitching two smaller FOV volumes to create a larger volume. Fusion uses the MI or Mutual Information method, a widely accepted technology for superimposition and stitching.

### X-Report

X-Report has two main features: the X-Report tool, included in most of the modules on OnDemand3D™ and X-Report Template Designer. The X-Report tool is a user-friendly method of patient reporting, where users will be able to simply drag and drop images from their screen onto a pop-up report template that can then be expanded for further editing. X-Report Template Designer, on the other hand, creates report templates for OnDemand3D™. It allows users to create a specialized report specific to a patient's needs and increase the efficiency of writing a report.

### In2Guide

In2Guide utilizes OnDemand3D™'s powerful 3D engine to create a 3D volume from DICOM data for an intuitive way to plan your implant surgery. You can turn your virtual planning data into a real custom made surgical template with depth and angle control by ordering directly from In2Guide.

### 3D Ceph

3D Ceph calculates the relative functions between points, lines, and planes in a 3-dimensional setting providing more precise and accurate values for analysis. The user can customize and define the points, lines, planes, and functions for analysis, orthodontic and aesthetic treatment planning.

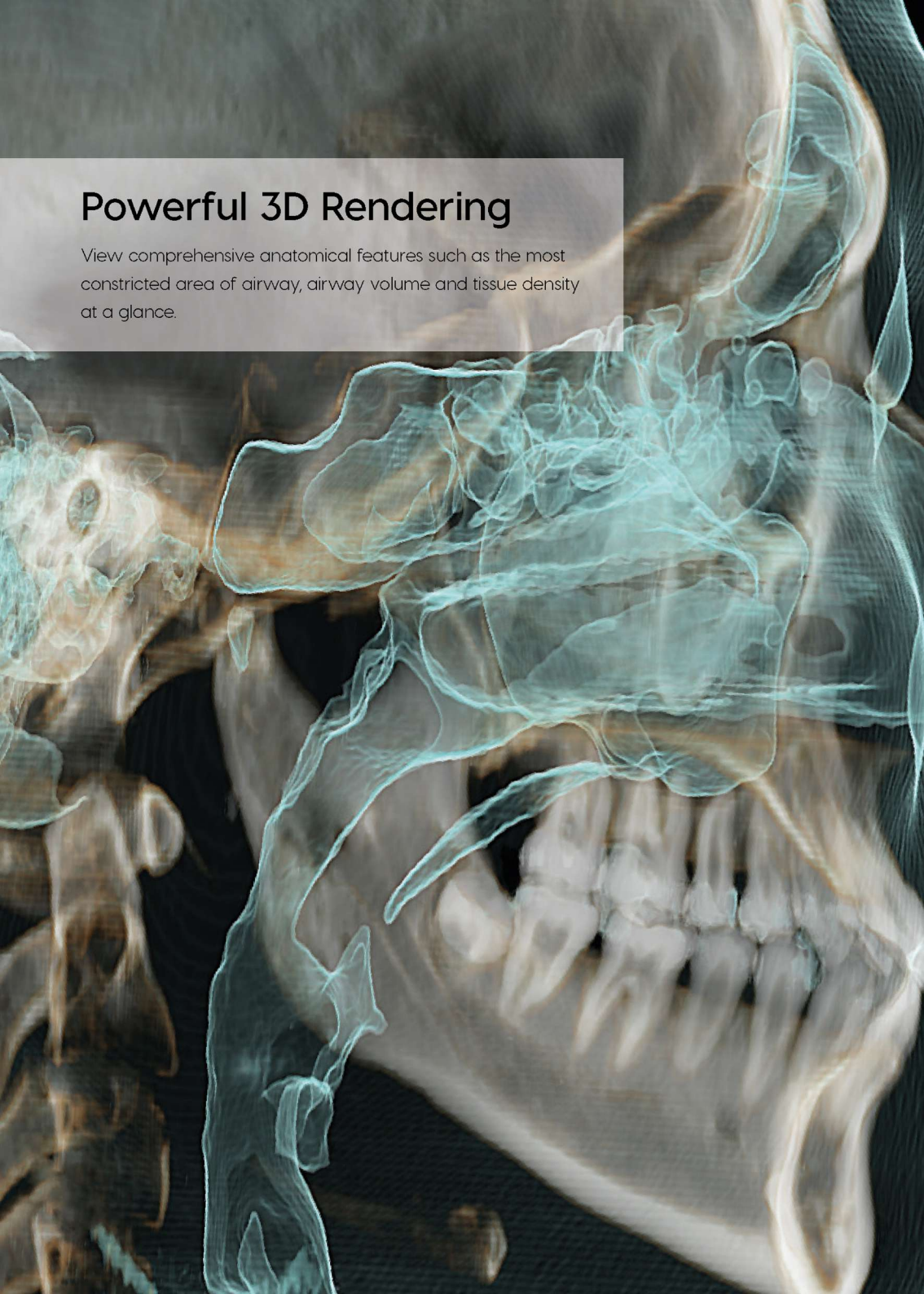
The user can also superimpose two sets of data, such as pre and post-op data for analysis, as well as use a 2D photo for a 3D volume mapping and generate a 2D X-ray for patient consultation.

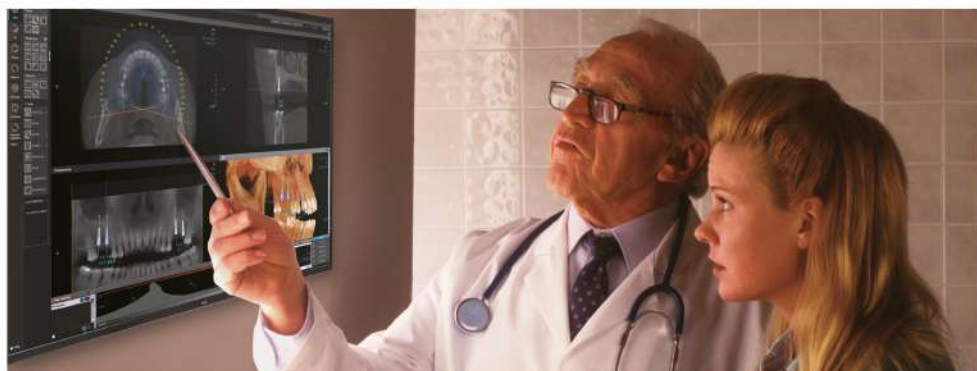
### X-Image

OnDemand3D™ takes integrated database management to a new level with XImage. Both 2D and 3D data are integrated into a modality-centered layout with full acquisition capabilities. A powerful tool that converts imported common image files into DICOM format (.dcm) for transmitting to PACS. XImage includes a selection of customizable Filter Presets along with a set of image manipulation and measurement tools.

## Powerful 3D Rendering

View comprehensive anatomical features such as the most constricted area of airway, airway volume and tissue density at a glance.





## OnDemand3D Features

Revolutionary visualization features at your fingertips.



< Airway >



< Stitching >



< Superimposition >

### SEGMENTATION

Segment out specific regions of interest from the volume data by threshold values or opacity and emphasize segmented areas with advanced visualization options

### 3D ZOOM

Use OnDemand3D's powerful 3D rendering technology to zoom in on a specific region without losing any resolution and see detailed anatomical structures from desired angles.

### STL CONVERSION

Convert DICOM data into STL format using OnDemand3D for CAD software, 3D printers and merge it into DICOM data in OnDemand3D.

### IMPLANT PLANNING

OnDemand3D provides you with intuitive functions for use in implant simulation such as drawing nerves and implant placement.

OnDemand3D's implant library is the largest on the market, containing over 116 brands and 674 lines.

### VOLUME MEASURE

Segment and measure the volume using the segmentation tools which provides volumetric information in 'cc' and 'mm<sup>3</sup>' values.

### SUPERIMPOSITION

Compare two sets of DICOM data in OnDemand3D to analyze pre and post operation data.

### STITCHING

Stitch together data taken with small FOV CBCTs using OnDemand3D's auto-stitch function to create an entire dental arch data.

### ORTHODONTIC

Obtain more accurate measurements in 3D by using landmarks, lines and planes to calculate the relative functions than using 2D images and methods.

### VIRTUAL CAMERA

Generate virtual 3D views from DICOM images, create videos of virtual endoscopies, all with OnDemand3D.



## Powerful 3D Rendering

OnDemand3D allows the implementation of optimum implant placements with the customized, accurate, cost-effective, safe and prosthetic aspects with a user friendly and easy-to-use implant planning.





### In2Guide Planning Software

Make your planning with In2Guide, an implant planning software, which utilizes CT or CBCT data to plan surgery and order surgical templates online. With In2Guide's intuitive and powerful tools, accurate and predictable surgery planning can be achieved with ease.

### Total Implant Solution

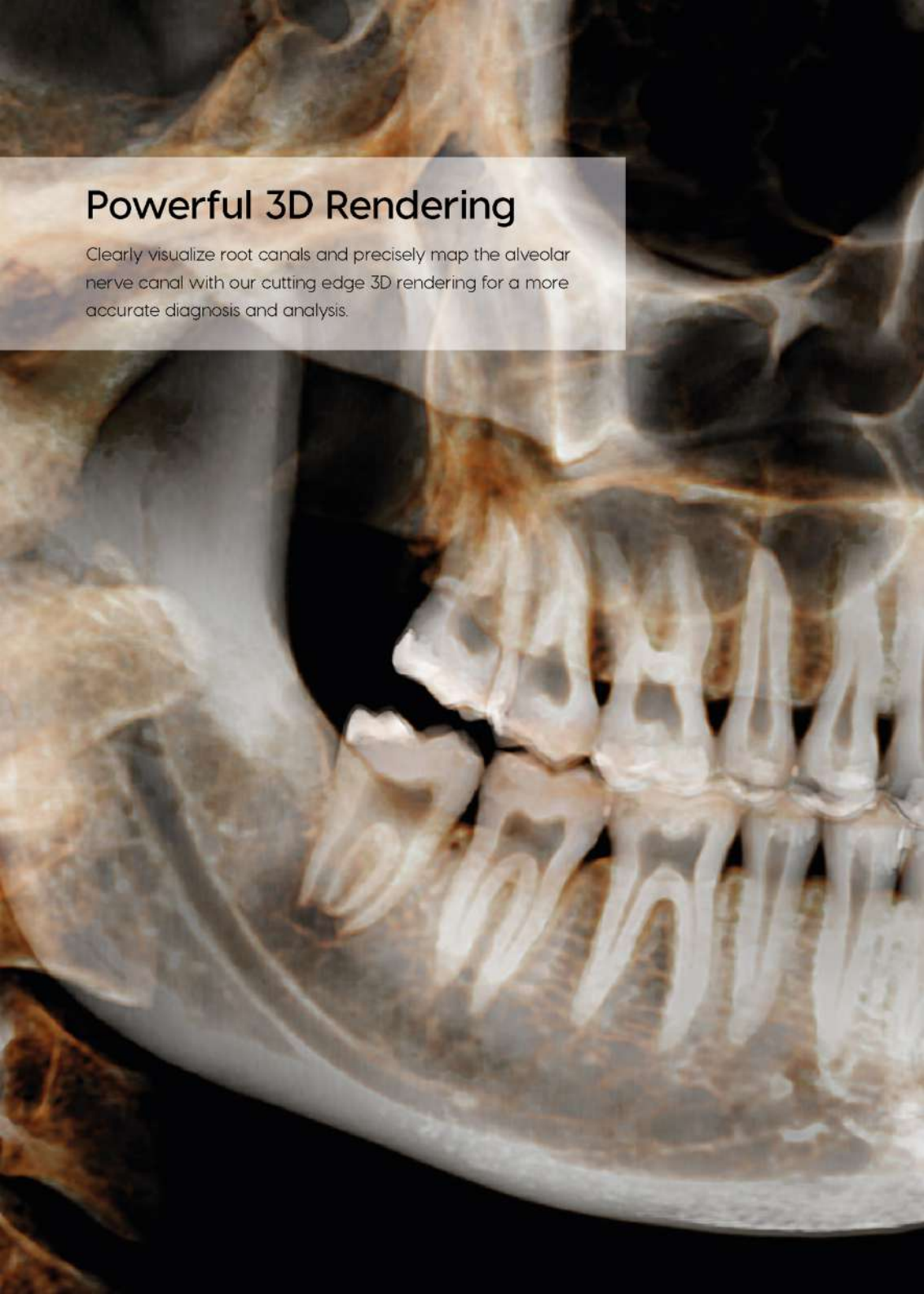
Transform your digital planning into a surgical template which holds all of your implant planning information. Whether partial, full, flapless, or full-flap, In2Guide provides surgical templates for any case. Simply order your surgical templates online along with custom abutments and temporary prostheses.





## Powerful 3D Rendering

Clearly visualize root canals and precisely map the alveolar nerve canal with our cutting edge 3D rendering for a more accurate diagnosis and analysis.





**Cybermed  
Partners and Customers**

Cybermed Inc. has been expanding globally to become the leader in medical imaging and image guided digital dentistry solutions.





# TECHDENT

T U M U N D O A G R A N E S C A L A

## CYBERMED

✉ [ventas@techdent.cl](mailto:ventas@techdent.cl)  
🌐 [www.techdent.cl](http://www.techdent.cl)

📘 [facebook.com/somostechdent](https://facebook.com/somostechdent)  
📷 [instagram.com/somostechdent](https://instagram.com/somostechdent)

📍 Los Jardines 931, Local 106,  
Ciudad empresarial, Huechuraba.

☎ (56) 9 9382 0171  
☎ (56) 9 9326 6569