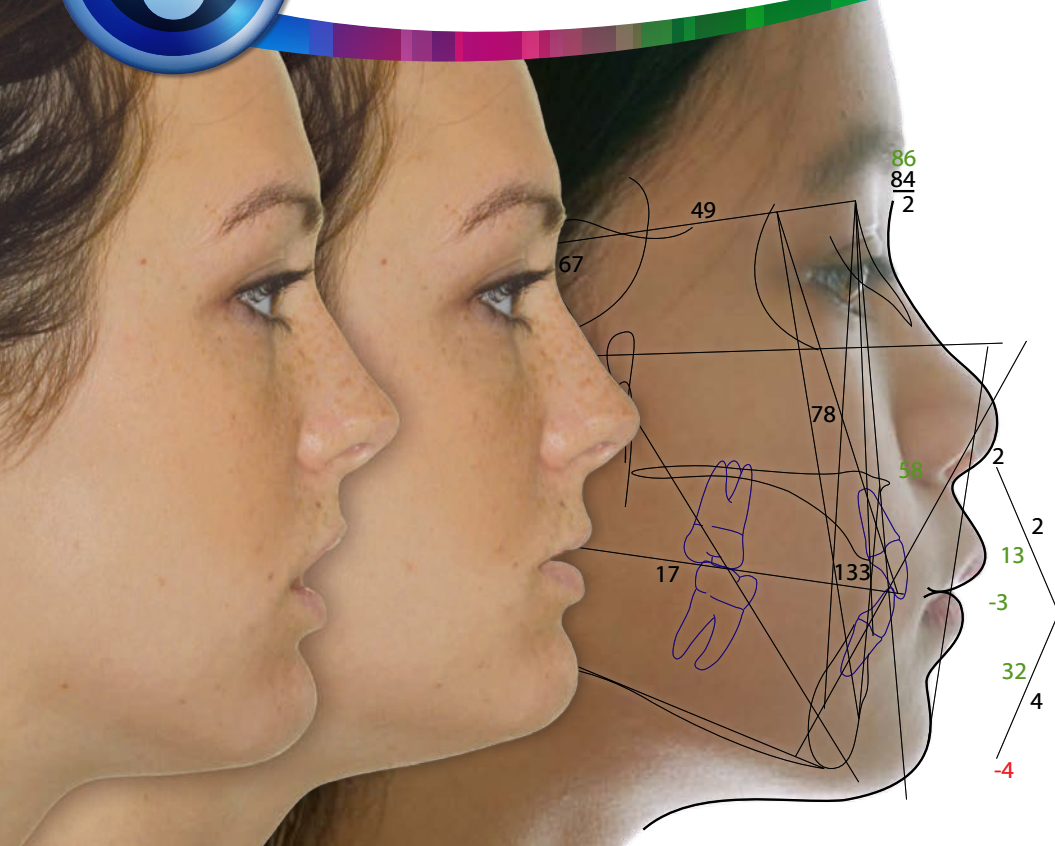




# Imaging



- ImagingPlus™
- Ceph Tracing
- Treatment Simulation
- Letter System

The Dolphin Imaging suite of software products is a collection of modules that together provide a comprehensive toolset for the dental specialty practitioner. Easily manage 2D/3D images and x-rays; accurately diagnose and treatment plan; and quickly communicate and present cases to patients and referrals. Work efficiently with colleagues on multidisciplinary cases.

Dolphin Imaging software is designed for use by specialized dental practices for capturing, storing and presenting patient images and assisting in treatment planning and case diagnosis. Results produced by the software's diagnostic and treatment planning tools are dependent on the interpretation of trained and licensed practitioners.

Dolphin Imaging software is an FDA-cleared Class II medical device.



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# ImagingPlus™

Effortlessly manage patient picture and x-ray images. ImagingPlus is the foundation of Dolphin product suites. Carefully designed for quick learning, ImagingPlus lets you efficiently capture, organize and present image records. It also includes a set of powerful and user-friendly tools for conveying treatment plans and for easily communicating ideas.

Supports displaying live video and capturing snapshots from digital intraoral cameras, such as the Schick USBCam and the DigitalDoc IRIS.



## One-click Capture

- Snap your photos in sequence and Dolphin will automatically organize the images into a standard layout, such as composite of extraoral, intraoral and occlusal photos.
- Preview, crop, rotate, enhance, remove red-eye, and align photos in one single screen.
- Drag and drop images from your file folders into Dolphin.
- Option to preserve the original, un-retouched images.
- Supports live capture in real-time from WiFi SD camera cards.

## Importing of x-rays, slides and other images

- Supports TWAIN-compliant input devices and is compatible with industry-standard image formats.
- Optional x-ray integration software lets you automatically import digital x-ray images.

## Consultation Module (add-on)

- Quickly re-contour the patient's profile, such as the lower jaw, by clicking and dragging your mouse to show possible treatment outcome.
- Simulate frontal views: maxillary impaction, mandibular reduction, etc.
- Completely refine your results with detailed drawing tools, blend brush and more.
- Demonstrate how the patient might look with braces on, with straight teeth, or after a bleaching procedure.

## Powerful Database

- Completely secure, industrial strength relational database (Microsoft SQL)
- Quickly search your entire patient database using criteria such as personal, demographical, and treatment details, including cephalometric measurements.

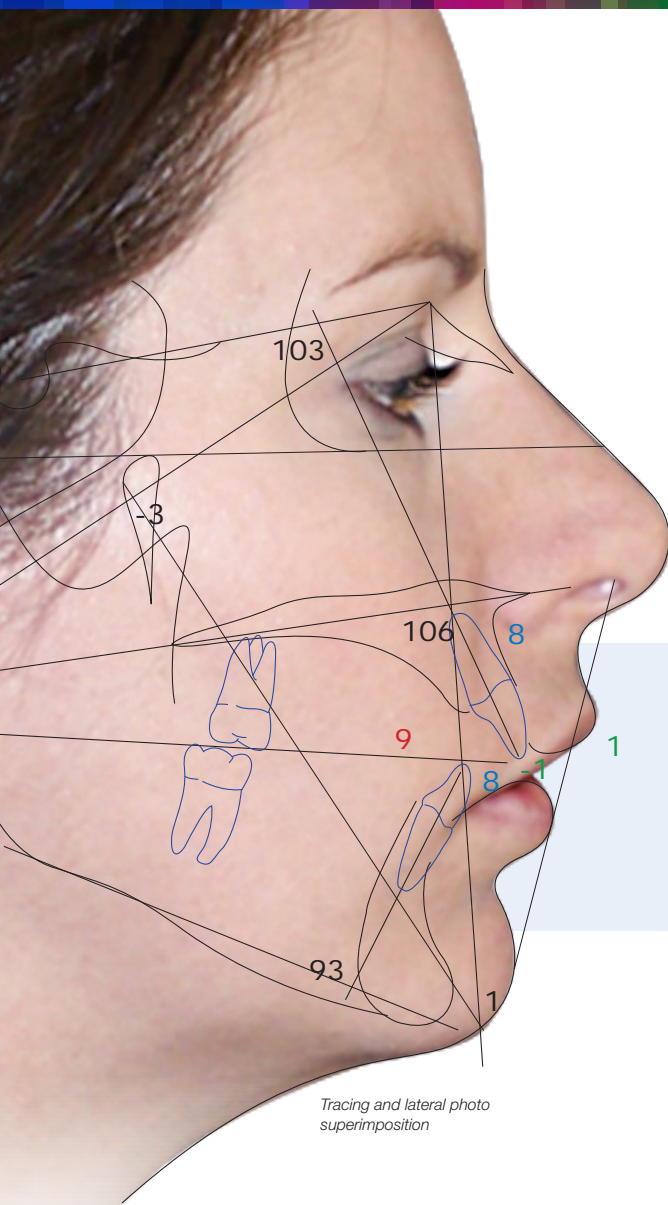
## Other

- Print any image (such as panoramic x-ray) in 1:1 life size with simple calibration.
- Display ceph tracings created by Dolphin Imaging.
- Easily transfer images and layouts to Microsoft PowerPoint, Word and other programs.
- Compare images side-by-side.
- Export images, copy images to Windows Clipboard.
- Email images to referrals.
- DICOM support (optional)
- Annotation and Measurement System with Anonymizer
- Upload cases to AnywhereDolphin for online viewing; sharing; and submitting to BeamReaders for radiology reports.

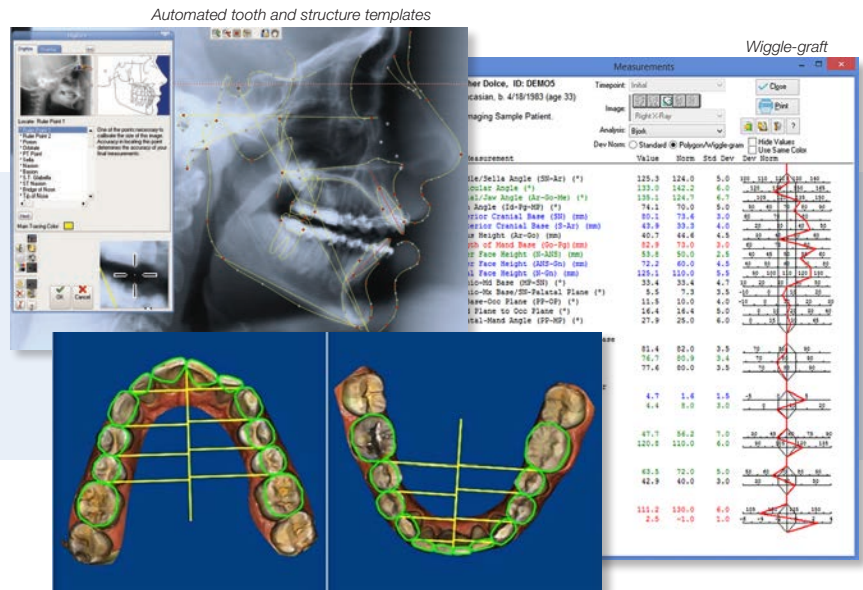


# Ceph Tracing

Ceph Tracing allows you to analyze cephalometric radiographs and create progress superimpositions quickly and accurately. Utilized by thousands of private practices throughout the world and most orthodontic and oral surgery training programs in North America, Dolphin Ceph Tracing dramatically reduces the tedious and time-consuming task of cephalometric tracing.



Tracing and lateral photo superimposition



AP Symmetry study model analysis

## Supports a Variety of Input:

- Capture images from existing files, flatbed scanner, other TWAIN sources or digital x-ray systems. Or, create 2D radiographs out of volumetric CBCT data, using optional Dolphin 3D software.

## Cephalometric Analysis for Orthodontic and Surgical Use:

- More than 400 lateral analyses including Ricketts, McNamara, Steiner, Tweed, Jarabak, Roth, Sassouni, McLaughlin, Downs-Northwestern, Bjork, and many more.
- Frontal analyses include Ricketts, Grummons and Grummons Simplified.
- Arch analysis: Bolton, Schwarz, AP Symmetry
- Automated tooth and cephalometric structure templates, including soft tissue profile, airway, symphysis, maxilla, mandible, condyle, developing third molar, inferior alveolar canal, mastoid process, nasal cavities, orbits, zygomatic arch, and many more.
- Norm deviation display "Downs Wiggle Gram"
- Customizable cephalometric analysis, structure, norms
- Norms categorized by gender, age, race
- Many norms display bibliography source citations.

## Superimpositions

- Easily overlay tracings over the patient's lateral photograph or radiographic images.
- Superimpose tracings of different timepoints with standardized superimposition references.
- 5-part Ricketts superimposition
- Calculate an "average tracing" from a sample group of patients for research purposes.

## Digitizing Procedure

- Simple x-ray calibration
- Illustrations and detailed description, depicting each landmark location
- Voice prompts
- Automatically generated anatomical structures and profiles
- Tracing alignment: Frankfort Horizontal, Horizontal Plane, Natural Head Posture

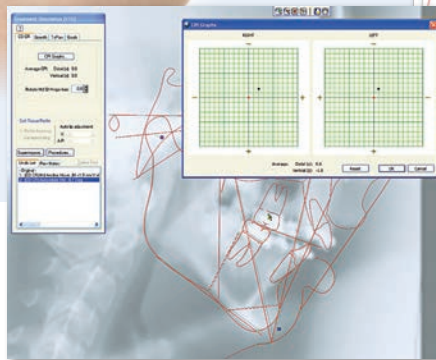
## Other Features

- Powerful Image Enhancement features to uncover hard-to-see structures
- Integration with Microsoft PowerPoint and Microsoft Excel
- Overlay a tracing from a different timepoint while digitizing—ensuring the most accurate superimposition.

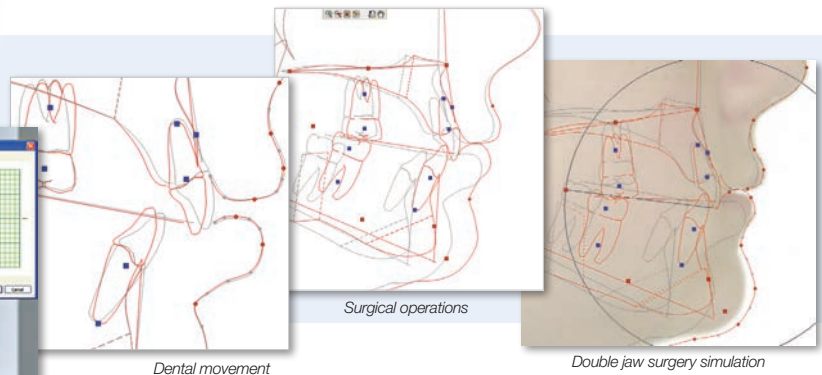
# Treatment Simulation

The Treatment Simulation software module allows you to plan, diagnose, and present cases from the lateral view. Multidisciplinary VTO Wizards include step-by-step interactive programs for quick and easy analyses and treatment planning. It's the perfect tool for interdisciplinary clinicians to visualize outcome and work in concert. Dolphin Treatment Simulation can be used for both orthodontic and surgery cases.

Adopted by the Advanced  
Education in Orthodontics (AEO)  
Group and Full FACE Course



Analyze the discrepancy between centric occlusion and centric relation; set the hinge axis rotation point; view the CPI graphs and simulate the correction.



## Orthodontic Treatment

- Translate, tip and rotate incisors; reposition molars; auto-rotate the mandible
- Arch Length Discrepancy worksheet: initial condition, leeway, extraction, expansion and stripping
- CO-CR Conversion. Enter CPI or MPI reading; simulates fulcrum of lower jaw at the first dental contact; allows simulation of Centric Relation and/or Centric Occlusion (depending on the orientation of the original radiograph)

## Growth Forecast

- Simulate growth on a traced x-ray, or tracing overlaid on a photo by inputting current skeletal age and desired duration of growth.
- Superimpose one or more growth tracings over original tracing, aligned to any desired reference plane.
- Choose from Bolton or Ricketts growth algorithm.

## VTO Wizards and Analyses

Quickly predict, plan, and visualize the sequence of treatment to be performed:

- AEO-Roth/Ricketts
- McLaughlin (optional module)

## Orthognathic Surgery

- Le Fort, BSSO, double jaw, genioplasty
- Model block surgery report
- Precise profile soft tissue touch-up and contouring tools

## Treatment Goals

Treatment Simulation based on specific cephalometric goals:

- Upper Incisor to A-Pogonion
- Upper Incisor to Sella-Nasion Angle
- Interincisal Angle
- Lower Incisor to A-Pogonion
- Lower Incisor to A-Pogonion Angle
- Lower Incisor to Mandibular Plane
- Upper Incisor to Palatal Plane

## Other

- Automatically alter soft tissue profile based on dental and skeletal movement.
- Develop treatment plan with any standard or custom cephalometric analysis.
- Customize skeletal-to-soft tissue movement ratios.
- Easily compare with other treatment plans.
- Export images to Windows Clipboard or image files.
- Movie Morphing feature lets you demonstrate the transformation from pre-treatment to simulated results.





# Letter System

## Dolphin Imaging product features

The Dolphin Letter System simplifies generating effective and comprehensive correspondence with pictures. Customize your pre-screening diagnostic questions and treatment decision communications. The Dolphin Letter System formats the answers concisely with the appropriate images automatically inserted. Choose from dozens of predefined, professionally written templates or customize your own collection.



### Extensive Letter Template Library

- Choose from several dozen professionally written templates, including: extraction, deband, initial exam, treatment progress, diagnostic results, treatment requests, certificates and welcome letters.
- Create a set of letters simultaneously to several related parties: patient, parent, doctor, referral and insurance company.

### Patient Exam Questionnaire

- Customized exam questionnaire: you design the questions and answers
- Enter patient's examination information; generate a letter set that includes referrals, patients and insurance company.
- Patient's data is preserved in Dolphin's database for easy access later on or to create additional letters.

### Customize Contents

- Easily access hundreds of existing diagnostic and treatment codes.
- Create and modify the list of treatment options and diagnostic findings.
- Modify existing templates from the library or design your own.

### Other

- Automatically insert pre-determined images from the patient's Dolphin records.
- Letter Wizard takes you step-by-step through the letter creation process.