Imaging 3D Management Aquarium Cloud Mobile

Products & Services Guide

Dolphin
Imaging & Management Solutions
a Patterson Technology

Since 1988, Dolphin has been developing technologies to help all areas of the dental specialty practice become more efficient: imaging, diagnostics, practice management, patient education, and mobile and Cloud solutions. So, what makes Dolphin different from the rest?

Dolphin is Specialized: Dolphin has been exclusively serving the dental specialty community for more than 30 years; Patterson has been serving the dental community for more than 135 years.

Dolphin is Accessible: Support phones are open Monday through Friday from 5:00 a.m. to 6:00 p.m. PT; Dolphin customers have access to 81 local Patterson branches throughout the U.S. and Canada; Dolphin representatives serve local customers in 120 countries around the world.

Dolphin is Trusted: Used in offices in 120 countries; 97% of accredited orthodontic residency programs; 72% OMS residency programs; and 20% ortho-pedo residency programs in North America.

Contents

The Dolphin Story

Marc S. Lemchen, DMD, MS
New York

1985-1988: DREAMING IN 3D.

Orthodontist Dr. Marc Lemchen conceptualizes the future of dental imaging—a non-radiographic three-dimensional facial and intraoral imaging device. He assembles a team of engineering and technology experts backed by champion orthodontic advisors, and begins research and development at local universities in Southern California.

catch the *Wave* of savings

Dolphin software rebate program

Imaging simulation of pre-treatment, during treatment, post treatment

Annotation and measurement system

Narrow, V-shaped arch w/crowding
Occlusal Upper
Intraoral Right

Storage of radiographic images

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 effectively 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.

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

Lateral analysis

Tracing superimpositions

Frontal analysis

Photo/radiograph superimposition

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.

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

The Dolphin Story

Far left: Chester Wang, current managing director, demonstrates Dolphin's inaugural product at the 1989 AAO in Anaheim, CA.

1989-1995: CONCEPT BECOMES REALITY.

The company's inaugural product uses sonic ecolocation to capture a patient's facial and dental measurements while emitting zero radiation. The product is officially debuted at the 1990 session of the American Association of Orthodontists (AAO), in Washington, D.C., and lands on the cover of the June issue of the Journal of Clinical Orthodontics. The first annual Dolphin user meeting is held in Valencia, California. Dolphin begins to enjoy recognition in the international arena.
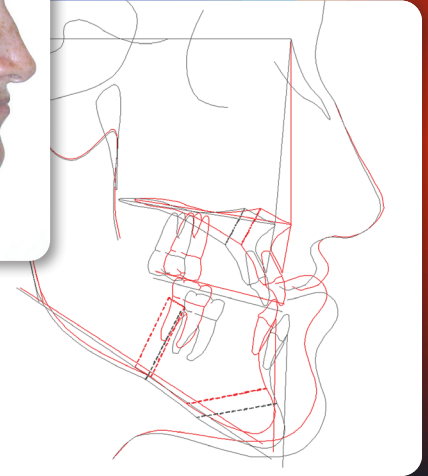
Pre-operative image compared with post-operative simulation

Pre-operative tracing superimposed with post-operative simulated tracing

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 analysis 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 surgical cases.

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

aeo
Advanced Education in Orthodontics

faceTx
Functional And Cosmetic Excellence

Adopted by the
Advanced Education in Orthodontics Group
(*www.rothwilliams-aeo.com*)
and
Full FACE Course
(*www.fullfacecourse.com*).
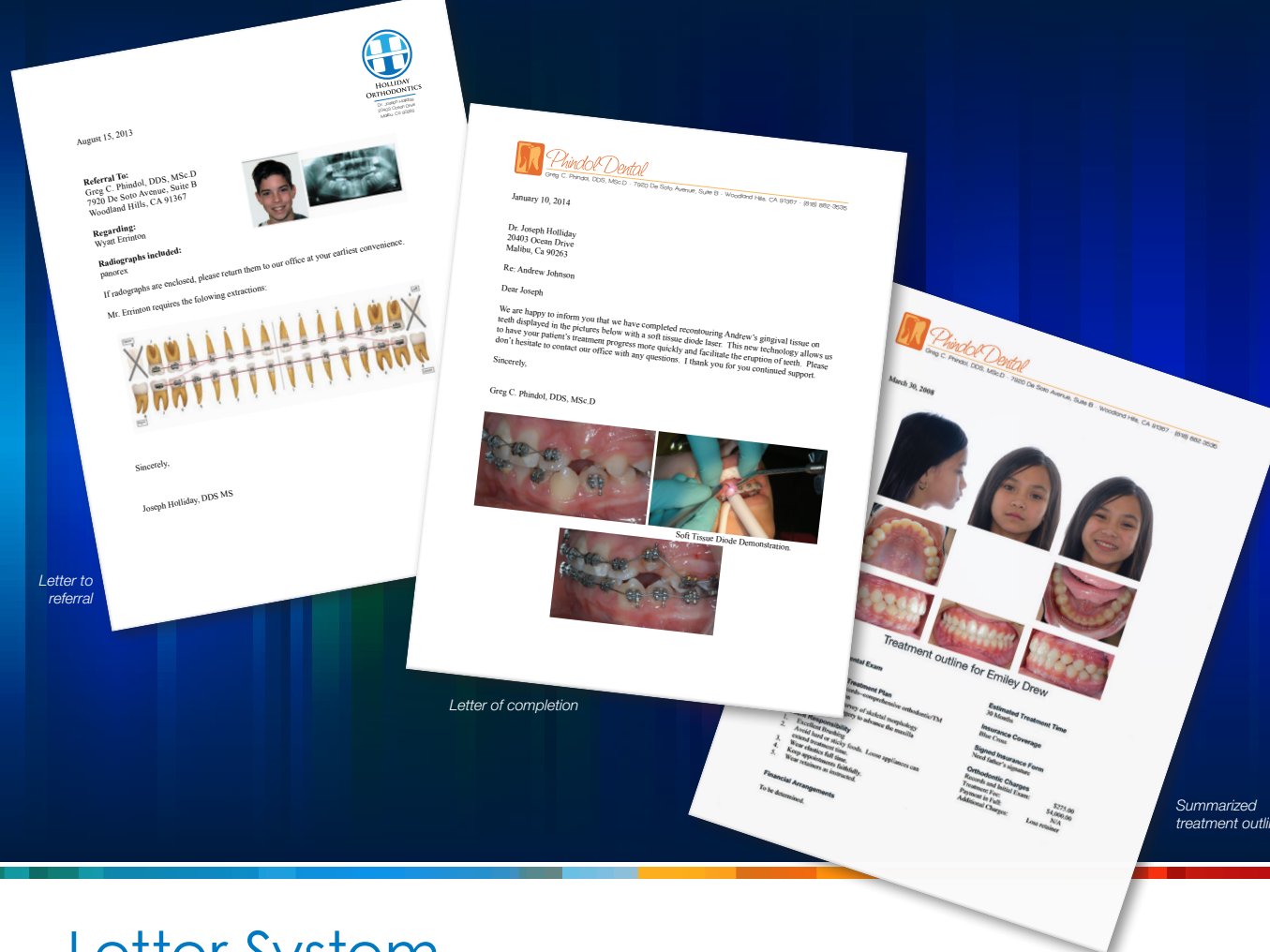
Letter to referral

Letter of completion

Summarized treatment outline

Letter System

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.

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

Bundled Dolphin Imaging system, circa 1996

1996-1999:
DIGITAL CAMERA RULES!

Dolphin experiences overwhelming sales of digital camera and software packages at the American Association of Orthodontist meeting in Philadelphia. The orthodontic industry has embraced Dolphin's technology, which now integrates with popular orthodontic practice management systems. Dolphin moves into Australia, followed by the United Kingdom and the rest of Europe a few years later.

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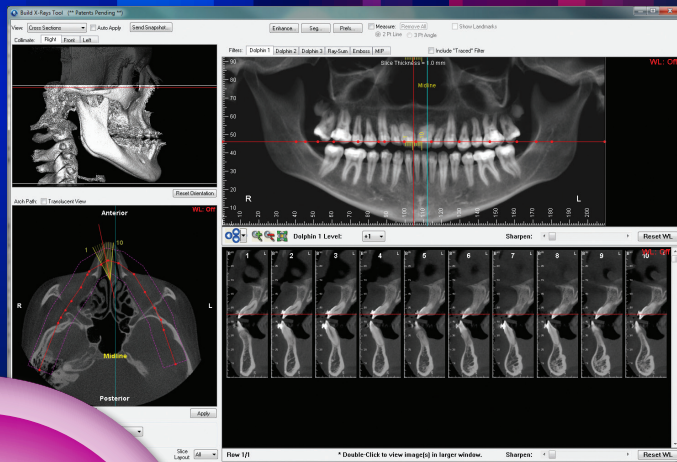
Panoramic x-ray with cross sections
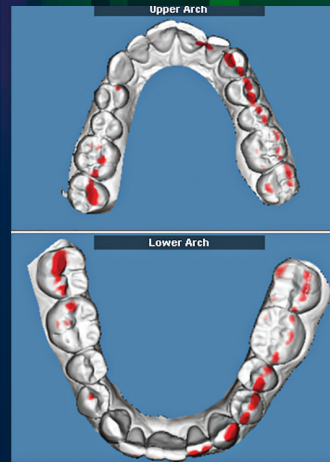
Occlusal collision colormap

3D ceph analyses (McNamara)
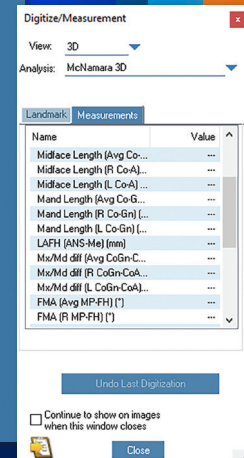
3D

The Dolphin 3D software module is a powerful tool that makes processing 3D data extremely simple, enabling dental specialists from a wide variety of disciplines to diagnose, plan treatment, document and pr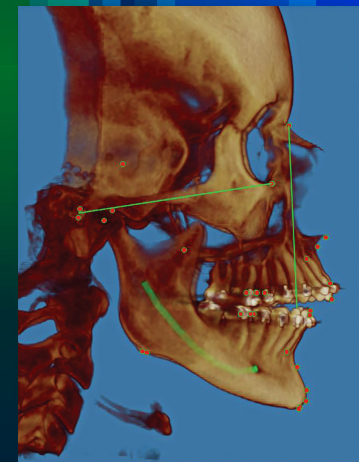esent cases. Dolphin 3D allows visualization and analysis of craniofacial anatomy from data produced by cone beam computed tomography (CBCT), MRI, medical CT, 3D facial camera systems, and digital study model systems.

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

Features:

- Import from a variety of 3D dataset formats
- High-quality, fast 3D rendering
- Three-dimensional airway analysis
- Cross sections in Multiple Planar View (MPV)
- Precise volume orientation
- Volume stitching: combine two separate volumes into one
- 2D facial photo wrap onto volume
- Volume-to-volume superimposition
- 3D nerve marking

Enhanced 3D ImPlanner

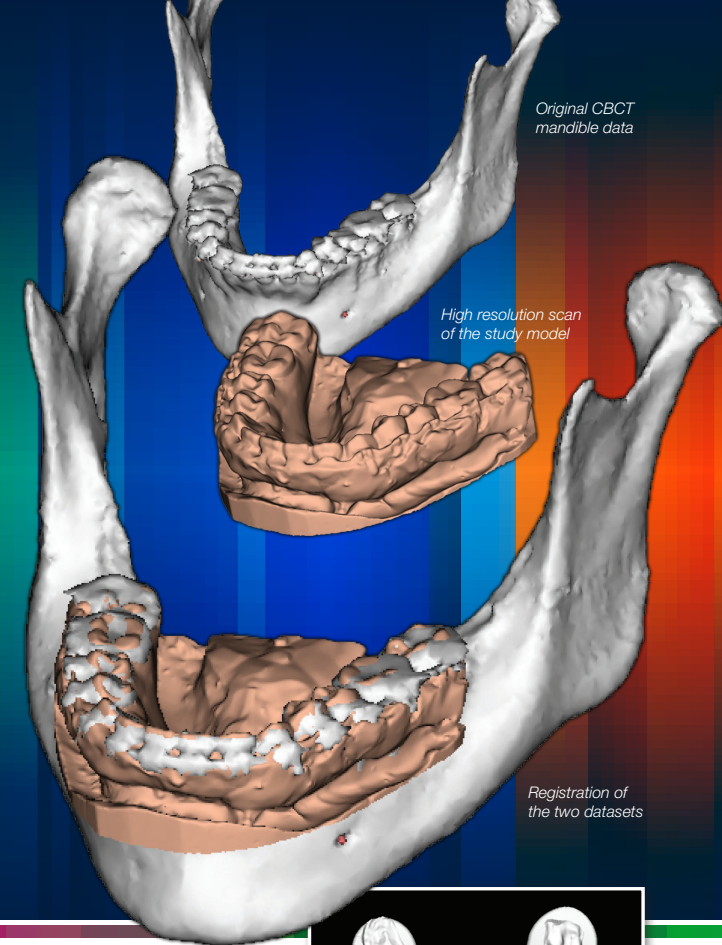## 2000-2002: INTEGRATING COMMUNICATIONS.

The Dolphin team releases AnywhereDolphin, an extension of Dolphin Imaging that provides secured online image and record sharing over the Internet. Doctors can now instantly share records with referrals and patients from anywhere in the world.

Features (continued):

- TMJ analysis
- Generate cephalometric and panoramic radiographs
- 3D-2D measurements: distance, angle, area
- Create movies/animations with automated scripts
- Design image layouts and reports
- Images export to other applications
- Distinguish biological structures via their radiolucency with a Hounsfield Unit measuring tool

- Images easily saved into Dolphin patient database
- Fully embedded in Dolphin Imaging's SQL database
- 3D implant treatment planning and simulation
- Render any desired combination of CBCT volume, 2D-wrapped or 3D photo, airway and other surfaces, and digital teeth
- Digital Study Model software supports .STL and .OBJ file formats plus seamless integration with CEREC Ortho Software. Also available as a standalone module.

9

30.42 30.19 29.56 29.42

2.09

0.94

Midline

2.09

16.79 14.58

25.22 25.19

40.87 43.62

Midline

Original CBCT mandible data

High resolution scan of the study model

Registration of the two datasets

Digital splints renditions
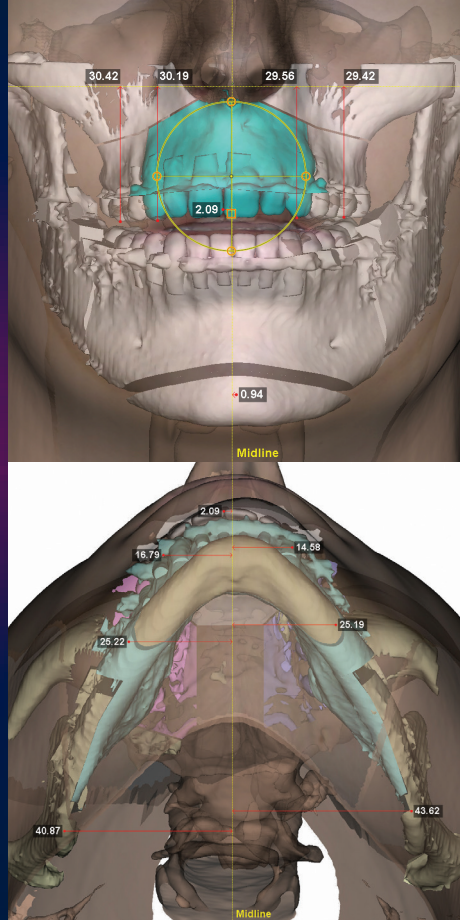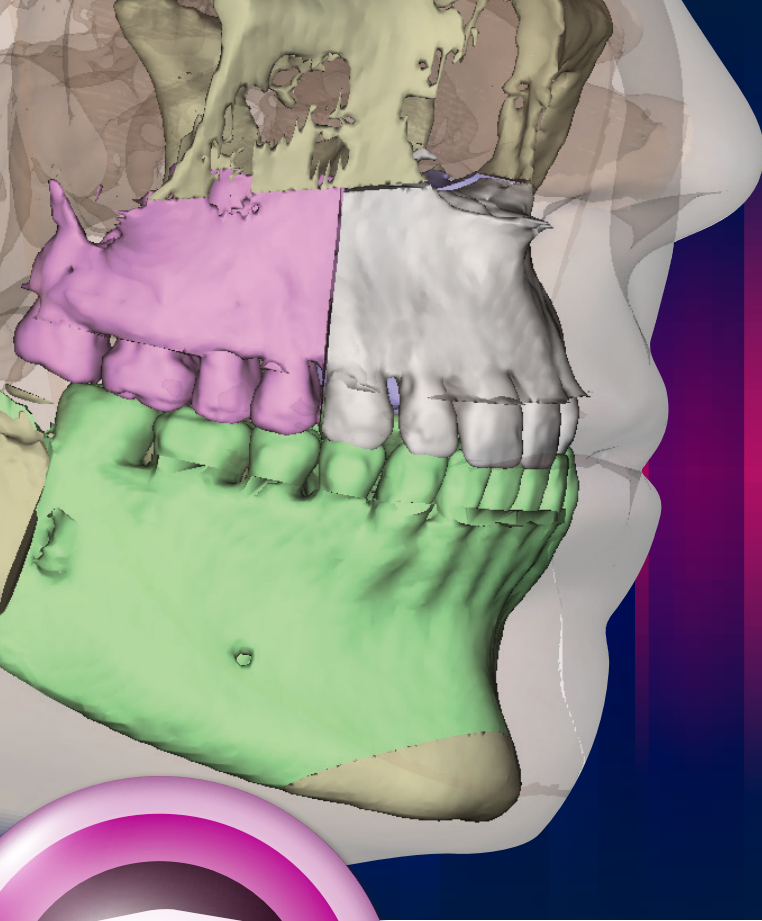
3D Surgery™

Streamline your orthognathic planning and treatment process with Dolphin's 3D Surgery. This revolutionary software module can take you through each step of your treatment planning process, from initial evaluation and planning to generating intermediate and final interdental splints. Create and export industry-standard .STL* files send to your favorite lab or print yourself. Also, demonstrate the patient's skeletal and facial soft tissue changes in real time animation.

All you need to take advantage of this versatile software is a cone beam or medical CT dataset of the patient. You then have the option of augmenting the data with a 2D or 3D facial photo and/or laser-scanned stone models or optical scanned dentition.

* *Additional fees may apply.*

5-up model view

Support for color models

Upper Arch

Lower Arch

Occlusal collision colormap

Chester Wang (left), Dolphin managing director, brings on Todd Blankenbecler to oversee development of the new practice management product.

2002-2004:
TAKING ON PRACTICE MANAGEMENT.

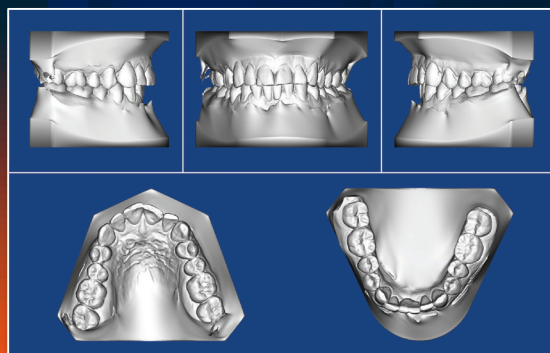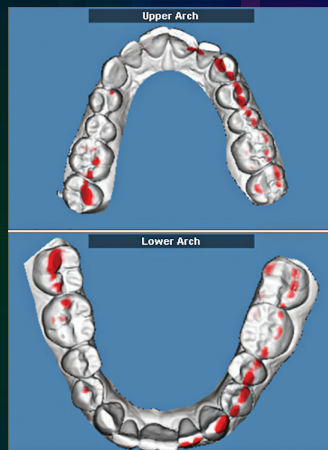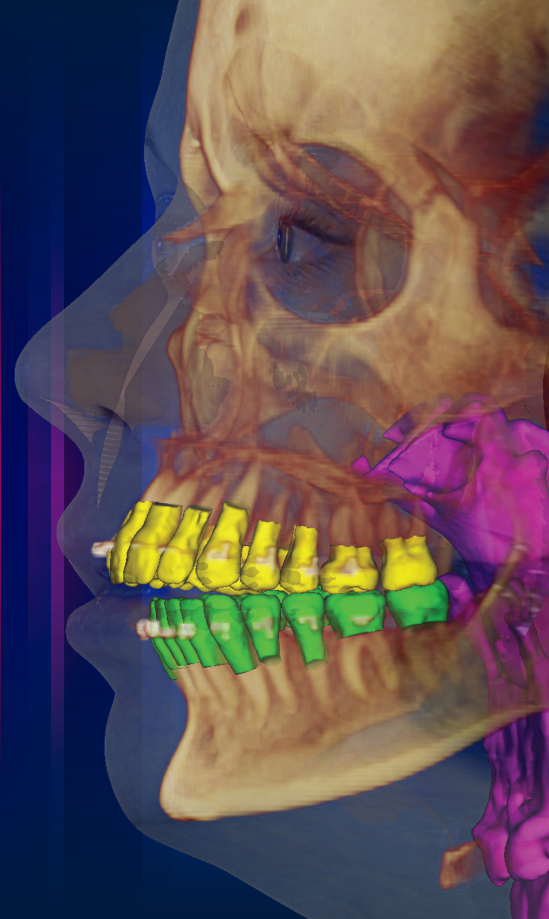Dolphin makes another move for the industry with the release of its practice management software product. Dolphin continually evolves both the imaging and management products. HIPAA-compatible security features are just some of the exciting technologies to emerge, and innovative applications are forthcoming. This same year, the American Board of Orthodontics began using Dolphin Imaging as its internal system for storing board certification cases.

3D Digital Study Models

3D Digital Study Model software works with all intraoral and study model scanners that export to .STL or .OBJ file format, and also seamlessly integrates with CEREC Omnicam and CEREC Ortho Software from Sirona. Once your study model data is imported, you can:

- Set occlusion and orientation
- Take various 3D measurements
- Display the models in various surface and volume views
- Run traditional 2D arch-length-discrepancy analyses
- Sculpt away bases

Whether you scan your models or take digital impressions, you can use the new 3D Digital Study Models software module to store these records within the patient's chart. A patient CBCT is not required to store 3D model data. This module is included in the Dolphin 3D Suite, and is also available separately.

Scheduling

Ledger

Graphical tooth chart

Oral Hygiene Graph

Treatement card
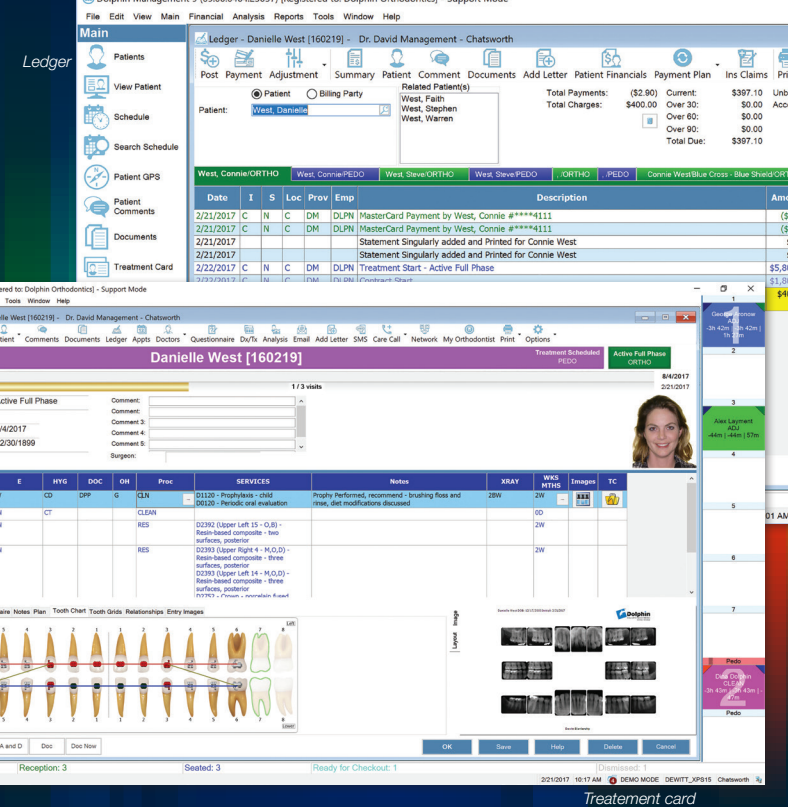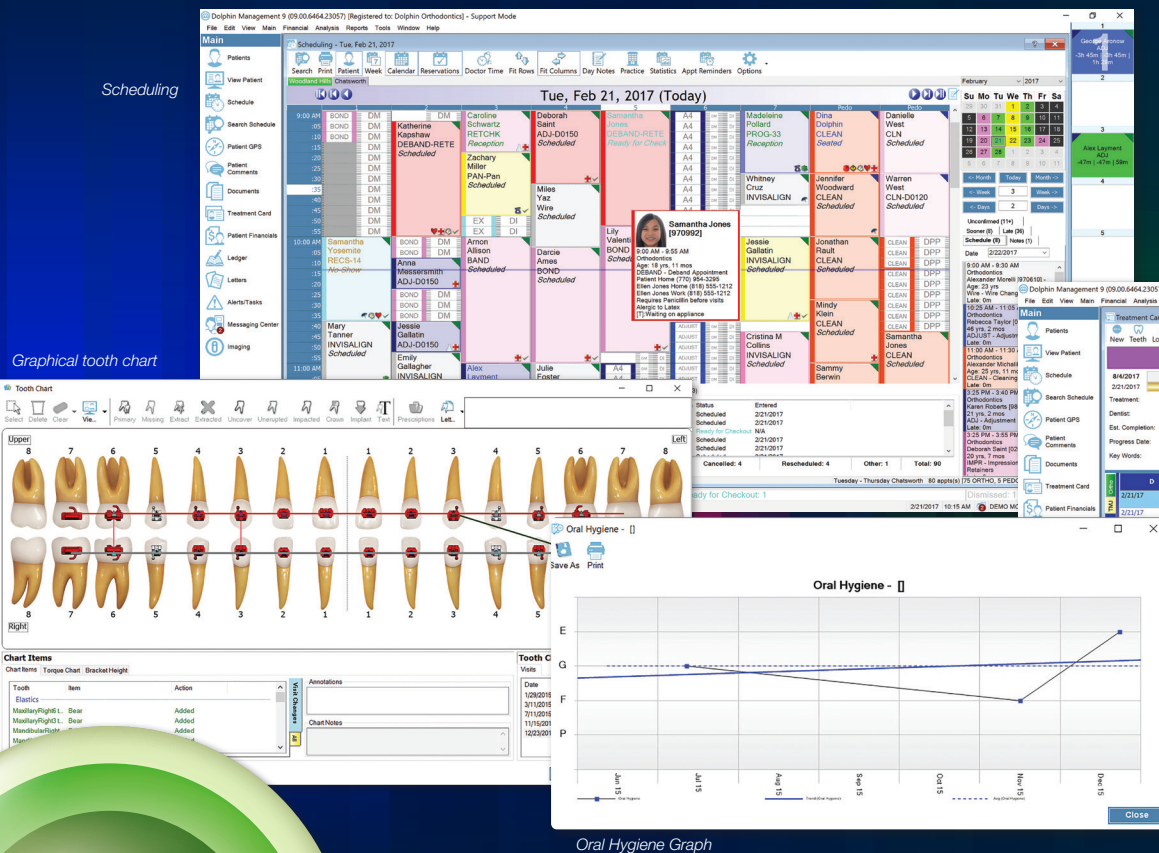
Dolphin Management

Dolphin Management is a full-featured orthodontic practice management system that enables you to efficiently manage and organize your practice flow, especially if you have high-volume, multiple locations and multiple practitioners. With consistent feature upgrades and improvements, Dolphin Management combines an easy-to-use interface with powerful features.

Features:

- Online questionnaires
- Online New Patient Forms
- Online New Patient Scheduling
- Financial Management
- Insurance Management with electronic insurance filing
- PCI Compliant Payment Processing integrations
- Correspondence / Questionnaires
- Scheduling with doctor time tracking
- Patient GPS™ Status Bar, Pane View, SignIn with fingerprint scanning
- Patient Status Tracking

Still from the "Lingual Brackets" video in Aquarium

2005-2007:
NEW DIMENSIONS IN VISUALIZATION.

Dolphin Imaging introduces its 3D module, able to import and process three-dimensional data from sources such as MRI, CBCT and three-dimensional facial camera systems.

The revolutionary case presentation and patient education software Aquarium debuts a couple of years later. Aquarium uses high-quality 3D graphics to explain orthodontic and surgical topics, plus appliance use, hygiene and home care. Its constantly growing content library is updated automatically to users through the Internet.

Features (continued):

- Alerts / Tasks
- Cver 70+ Standard Reports
- Dolphin Interactive Report Tool (DIRT)
- Practice Analysis
- Referral Analysis
- Doctor Time Analysis
- Schedule Analysis
- GPS / Light Bar Analysis
- Exams to Start Analysis
- Patient Analysis
- Dolphin Scheduled Job Manager

- Care Calls
- Automatic SMS/Email Appointment Reminders
- SMS Text messaging
- SMS Broadcast
- Two-way SMS
- Third party software integrations

Add-On Modules:
- Treatment Card
- Treatment Planning
- Patient GPS Light Bar
- Time Clock

ortho :)
essentials

Aquarium©

Designed for interactive patient education and case presentation, Aquarium is a dynamic communication tool that fully utilizes high-quality 3D graphics. It is designed to demonstrate common and complex topics including diagnostic findings; oral surgery, pediatric, and orthodontic conditions and procedures; appliance use; hygiene; and more.

Visualization is an effective educational tool. It promotes comprehension that eases communication with colleagues and patients of all ages. Aquarium uses stunning 3D animations to demonstrate the common and complex topics that are involved in diagnosis and treatment planning. Educated patients are more likely to exhibit a greater rate of case acceptance, and demonstrate a higher rate of compliance.

Features:

- Comprehensive library of topics
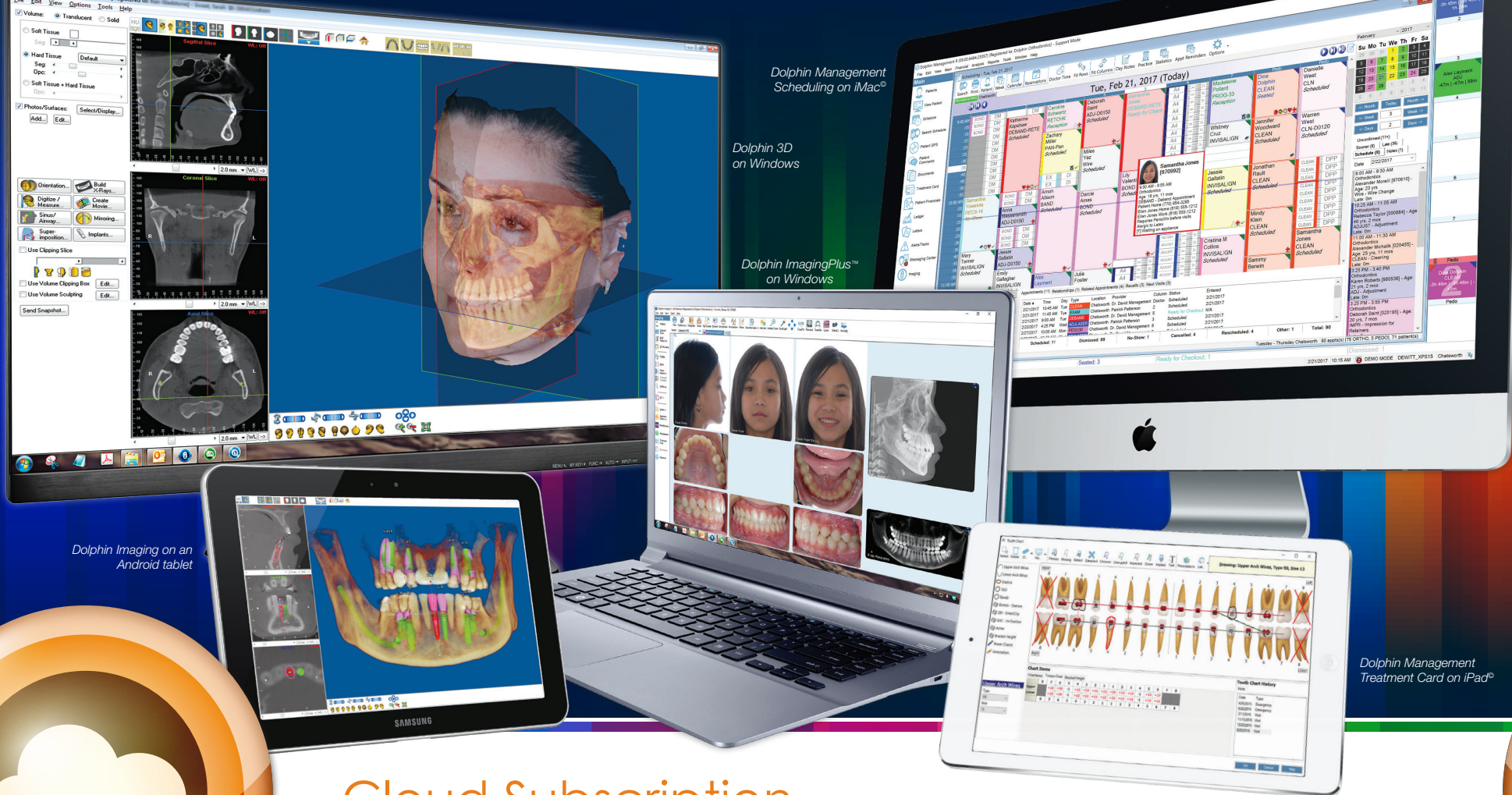- Clinically accurate

Mr. Paul Zuelke (front center), visits with the Dolphin team at Chatsworth headquarters.

2008:
COLLABORATING WITH LEGENDS.

Personal relationships with individual practices and professionals result in customized software that addresses specific needs and professional goals: the McLaughlin Dental VTO, Dolphin Management Roncone Modules, Ricketts/Roth AEO VTO, Damon in Dolphin, Charlene White's Systematic Office Solutions (SOS), and the Zuelke Financial Expert are but a few examples.

Features (continued):

- 3D animation, full-motion video, and before-and-after photos
- Keep a time-stamped log of which movies each patient has viewed
- Upload to YouTube wizard
- Add your practice logo to exported movies
- Favorites/Playlist features
- Network-ready
- Dual monitor support
- Automatic updates delivered via the Internet
- Record your own audio narration to any movie

- Full interoperability with Dolphin Imaging and Dolphin Management
- Export movies for use on your Web site; PowerPoint presentation;or portable media player
- Publish playlists to CD/DVD or flash drive for patients to view at home
- Drag/Drop and Copy/Paste in and out of Aquarium
- Select from 10 user interface languages
- Zoomable user interface
- Choice of interface theme designs
- Hide unneeded content for procedures and appliances you don't use

Dolphin Management Scheduling on iMac©

Dolphin 3D on Windows

Dolphin ImagingPlus™ on Windows

Dolphin Imaging on an Android tablet

Dolphin Management Treatment Card on iPad©

Cloud Subscription

Enjoy full-featured Dolphin Imaging and Management programs in the Cloud! Say goodbye to costly file server purchases and the fees associated with configuration and maintenance. We automatically update your Dolphin software and perform the regular data backups for you. You run the latest version of Dolphin software, every time.

Have multiple locations? No problem. Cloud Subscription seamlessly supports multiple offices, and integrates with most technologies including X-ray systems, CBCT systems,

document scanners, fingerprint scanners, printers, and payment systems.* It also runs under Windows or Mac operating systems. Subscription plans and packages are available for all sized practices. For more information, visit *www.dolphinimaging.com/cloud.*

* *Some peripherals require Windows®.*

Dolphin is proud to partner with MME Consulting for the practice connectivity configuration and data and program hosting of Dolphin Cloud Subscription.

Knowledge base search

"My Home" Page

Balance and Transactions

Patient Image Layout

AnywhereDolphin

AnywhereDolphin is a web service available at no charge to members of the Dolphin Service Club. It uses data encryption to allow you to securely share Dolphin records and other correspondences with patients and referrals over the Internet, helping to keep your practice HIPAA-compliant. It also gives you access to training webinars and knowledge base.

Share Images

3D Model Viewer

Cephalometric Tracing

The Dolphin Story

From left: then-president of Patterson Companies Scott Anderson; benefits manager Reed Pollack; Dolphin director of operations Sonya Lester; and Dolphin managing director Chester Wang outside Dolphin headquarters.
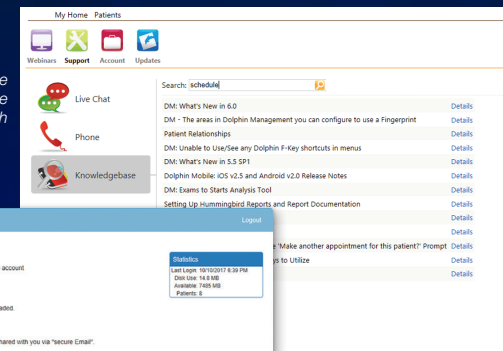
PATTERSON
D E N T A L

2009:

DOLPHIN JOINS PATTERSON.

Unstoppable growth prompts a search for larger investments, leading to an acquisition by Patterson Dental in the last days of 2008. This new transition provides greater resources for pushing existing projects through the pipeline, while keeping Dolphin's pioneering team and close customer interactions intact. It is business as usual at Dolphin headquarters as the team now has the means to realize its development dreams.
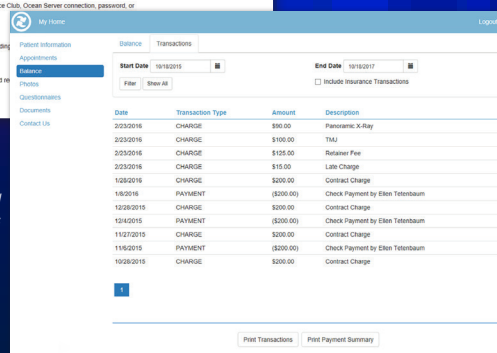
17

Aquarium® case presentation movies

Side-By-Side Viewing

Care Call

Scheduling

Full Size Viewing

Dolphin Mobile

Download on the App Store

GET IT ON Google play

The Dolphin Mobile app lets you easily and securely access your Dolphin system via the Internet with any iPhone®, iPad®, iPod touch® and most Android™ devices. It directly connects to your server, allowing you to access live practice data, as it happens. In real time. No matter where you are in the world. In addition, all data is automatically synchronized and encrypted.

Access all of your patient images such as panoramic x-rays, saved photo records, and processed 3D images.

Examine treatment card entries, scheduling details, referring doctor statistics, patient appointment history and account balance information. Dolphin Mobile utilizes a special Passcode feature that allows you quick access to your Dolphin database using your existing name and password. Browsing history is recorded so you may easily retrieve recently accessed records. It works with WiFi and mobile phone networks.

Patient Images *Account Balance* *Appointment*

Android device

iOS device

MyOrthodontist

The MyOrthodontist mobile app from Dolphin gives patients access to information about themselves and your practice. Once they download MyOrthodontist to their iOS or Android device, they have access to:

- Their Patient Information
  - Appointments
  - Account Balance
  - Online questionnaires
  - Aquarium© patient education videos

- Your Practice Information
  - About the doctor & staff
  - News items, RSS feeds from your website
  - Practice videos & images
 - FAQs
  - Facebook, Twitter & Google

Dolphin Mobile, Cloud Subscription, and MyOrthodontist

2010-2013:

GOING MOBILE IN MORE WAYS THAN ONE.

The Dolphin Imaging team releases the revolutionary 3D Surgery module, a VTO that creates real-time soft-tissue movements during the treatment planning process. During this same time the Dolphin Management team releases Dolphin Mobile, a mobile device application that gives doctors access to their Dolphin database from anywhere with an Internet connection. The option to run all Dolphin systems via the Cloud is also introduced, as is the company's first patient-facing app: MyOrthodontist.
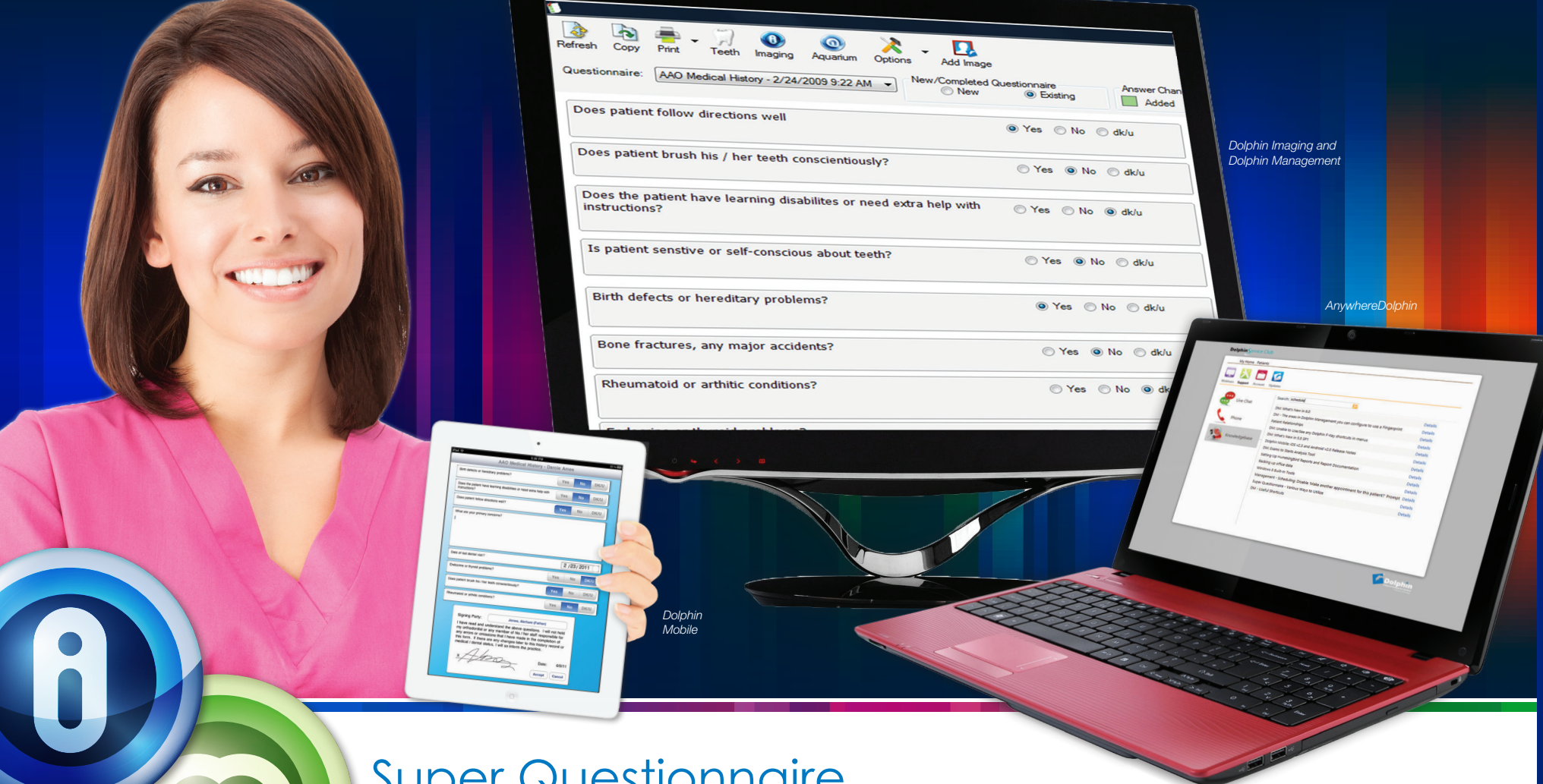
Dolphin Imaging and
Dolphin Management

AnywhereDolphin

Dolphin
Mobile

Super Questionnaire

Works across Dolphin Imaging, Dolphin Management, AnywhereDolphin and Dolphin Mobile.

Super Questionnaire is a multi-platform feature that allows you to securely share questionnaires, medical history, informed consent, and other standard forms with patients across the Internet. Featuring a distinct interface for staff and patient, Super Questionnaire works across Dolphin Imaging, Dolphin Management, AnywhereDolphin and Dolphin Mobile. This means you can email an appointment reminder to a patient with an online link to a medical history form. That patient securely completes the form, which automatically saves in your Dolphin database. At the appointment, the patient or your staff can review the form on an iPad or a workstation, then finalize with the patient's electronic signature. The form and its data are accessible via Dolphin Letters, Patient Information, Patient Document History, Treatment Card, and other relevant screens within Dolphin. And that's just one scenario.

Make your practice legendary.

Legend Series

McLaughlin Dental VTO

This interactive software program helps you analyze and evaluate tooth positions for planning precise, quantifiable movement of dentition for both orthodontic and surgical-orthodontic cases. To learn more, visit *www.dolphinimaging.com/mclaughlin.*

Richard McLaughlin
DDS
Orthodontist

Roncone Modules

Dr. Roncone's proven system of quantifying the elements of an orthodontic practice will instantly optimize the work flow of any practice. To learn more, visit *www.dolphinimaging.com/roncone.*

Ron Roncone
DDS, MS
Orthodontist

Charlene White's SOS
Systematic Office Solutions

This set of management tools includes a recall effectiveness system, scheduling templates, scripting for staff, and a statistical monitoring system that compares practice numbers to Charlene's benchmarks. To learn more, visit *www.dolphinimaging.com/white.*

Charlene White
Practice Management
Consultant

Zuelke Financial Expert™

Easily and accurately track collection activity, control delinquency, and monitor patient and insurance accounts. To learn more, visit *www.dolphinimaging.com/zuelke.*

Paul Zuelke
Financial Consultant

Dolphin Legend Series

Dolphin's Legend Series is a collection of special software based on the unique methodologies and techniques of distinguished industry experts.

The Dolphin Story

2013
2014
2015
2016
2017

townie choice 2017

ortho townie choice awards. 2017

2013-2017:

DOLPHIN WINS MULTIPLE ORTHO TOWNIE AWARDS.

Orthotown magazine holds its first-ever Ortho Townie Awards, and readers vote Dolphin #1 in four categories: Software: Orthodontic Practice Management (Dolphin Management); Software: Patient Education (Aquarium); X-Ray Equipment: 3D Imaging Software (Dolphin 3D); and X-Ray Equipment: Digital Image-Management Software (Dolphin Imaging). Dolphin continues to win in multiple categories each following year.

Third Party Integration

Product Integration
Dolphin software products are developed on an open platform to tightly integrate with practice management systems, digital x-ray units, CBCT systems, intraoral and desktop digital study model systems, telephonic solutions and Web-enabled applications. All Dolphin products are compatible with the latest operating systems and computers including Intel-based Macintosh computers.

Digital Radiography
Dolphin's digital x-ray integration software allows you to automatically transfer images directly from your digital radiographic unit to your Dolphin patient database–no manual exporting or importing procedures required. Dolphin supports most systems on the market, including Sirona, Gendex, Orex Digident, Planmeca, Instrumentarium, AirTechniques ScanX, Care Stream, Schick and Soredex.

Volumetric 3D Data
The Dolphin 3D module allows you to create and process accurate, multiple dimensional images without a steep learning curve. Dolphin 3D supports all cone beam CT, medical CT, MRI and 3D camera systems, including PLANMECA ProMax 3D, PLANMECA ProMax 3D Max, Sirona GALILEOS, E-Woo Technology Picasso Trio Series, Hitachi MercuRay, Imaging Sciences i-CAT, J. Morita 3D Accuitomo 80 and Veraviewepocs® 3D, NewTom 3G, VG and 9000.

Digital Study Model Systems
Dolphin 3D integrates with all intraoral and desktop digital study model systems, such as 3Shape Trios. It supports standard .OBJ and .STL file formats, plus seamless integration with the CEREC OmniCam from Sirona.

Practice Management
Simplify data administration with Dolphin's Practice Management Integration, which replicates patient data to your Dolphin system automatically and seamlessly, avoiding manual double entry. Dolphin integrates with over 50 practice management systems in the orthodontic, oral surgery and dentistry specialties.

Other Products
Dolphin software also integrates with other specialty solutions—such as TeleVox, OrthoSesame, OrthoBanc, Vanco, PC Charge Pro, OrthoCad, LAVA and SureSmile—to enhance practice efficiency. Additional product integrations are constantly being developed.

Dolphin integrates with a wide range of 2 dimensional and 3 dimensional radiographic systems
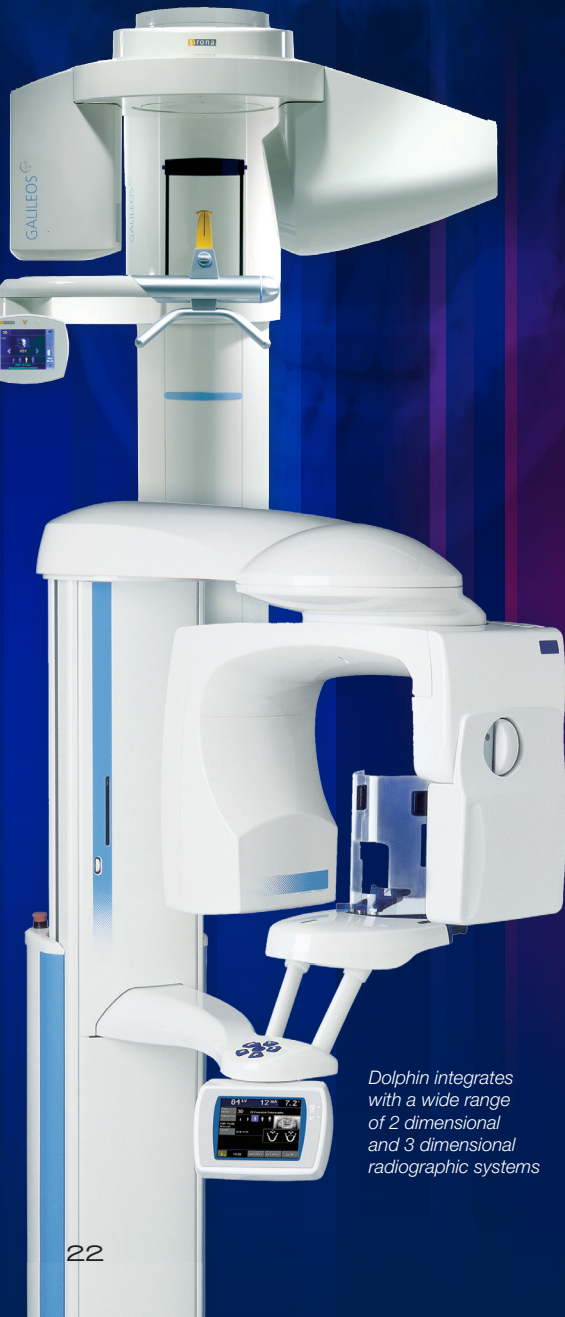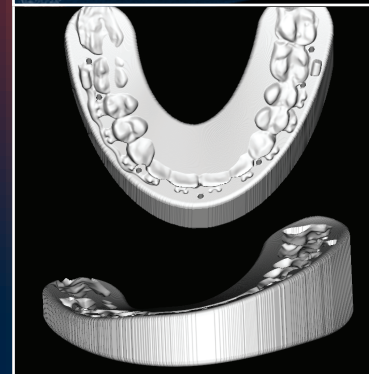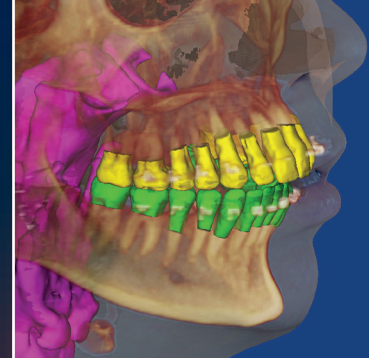
Dolphin Service Club

The Dolphin Service Club offers a comprehensive plan that includes unlimited phone support, regular software updates, access to training webinars, and more:

Stay current on Dolphin software updates.
Service Club members have the peace of mind to know they are always running the most current versions of their Dolphin software.

Low monthly payments.
No need to pay the annual fee in one lump sum! (U.S. & Canada only).

Unlimited Phone Support.
Our offices are open 5:00 a.m. to 6:00 p.m. Pacific Time, Monday through Friday. We also respond to off-hours emergency calls. Non-Service Club members pay $5 per minute with a minimum of 1 hour. 800.548.7241 (U.S. & Canada) +1.818.435.1368 (International).

Live and Archived Webinars.
Dolphin Service Club members have exclusive access to our live and archived webinars. All webinars are conducted by a certified Dolphin trainer or special industry expert guest presenter.

Frequently Asked Questions.
Members can visit our FAQ page to view a Dolphin-dedicated list of most frequently asked questions, with answers provided.

Receive exciting new features such as Super Questionnaire, Standalone Viewer, 2D Movie Morph, and more!
Dolphin developers are always adding new features and useful tools to the products you already own. These are all FREE to Service Club members.

Live Chat.
This user-friendly means of communicating connects you directly with a support representative via instant messaging technology. The service is available 6:00 a.m. to 3:00 p.m. Pacific Time.

Email support.
Email us your technical questions at *support@dolphinimaging.com*. A technician will respond as soon as possible.

Dolphin Update Service.
Our Dolphin Update Service (DUS) automatically handles updates for all Dolphin software.

Request software updates directly from your Dolphin Service Club account.
Log into your account and view the status of your various workstations vs the latest available update, then request the updates you want.

AnywhereDolphin.
Unlimited record sharing with patients and referrals via AnywhereDolphin.com.

Eligibility to purchase Dolphin Mobile.
Use Dolphin Mobile to access your Dolphin database from any Apple iOS (iPhone®, iPad®, iPod touch®) or Android™ device.

Exclusive members-only discounts!
Watch your email for announcements throughout the year.

the *Wave*
Rebate & Financing Program

An extraordinary opportunity for orthodontic professionals!

Contact your Dolphin representative to learn how to earn up to a $25,000 rebate toward your Dolphin Software Purchase!

For details visit
www.dolphinimaging.com/rebate
or call your Dolphin representative at
1.800.548.7241.

Option 1
$5,000

Purchase the following to qualify for a 15% rebate up to a maximum of $5,000 on your Dolphin software:

- $6,000 minimum in Dolphin software
- $15,000 in merchandise purchased from Patterson each year for three years

0% Financing
- Take advantage of 0% financing for 36 months on your Dolphin software purchases.

* *Limit one rebate per customer. Offer only valid for customers in the U.S. and Canada.*

Option 2
$15,000

Purchase the following to qualify for a 60% rebate up to a maximum of $15,000 on your Dolphin software*:

- $6,000 minimum in Dolphin software
- $15,000 in merchandise purchased from Patterson each year for three years
- $40,000 minimum in Patterson digital technology or equipment

* *Inquire with your Dolphin representative on The Wave program rules. Limit one rebate per customer. Offer only valid for customers in the U.S. and Canada.*

Option 3
$25,000

Purchase the following to qualify for a 100% rebate up to a maximum of $25,000 on your Dolphin software*:

- $25,000 minimum in Dolphin software
- $15,000 in merchandise purchased from Patterson each year for three years
- $90,000 minimum in Patterson digital technology or equipment

* *Inquire with your Dolphin representative on The Wave program rules. Limit one rebate per customer. Offer only valid for customers in the U.S. and Canada.*

Dolphin
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