

What's New

June 2026

3Shape TRIOS Software 26.1.2



Overview of new functionality, improvements and changes



This document includes all new features, some of which may not be available in your market. Please always check local availability.

3shape 

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Features/Enhancements

This release includes the below mentioned updates/enhancements:

☑ Solved issues

- Fixed CPU monitoring issues that could lead to performance issues or system freezes.

Features/Enhancements

This release includes the below mentioned updates/enhancements:

☑ Solved issues

- Resolved an issue where users could encounter the error “Specified argument was out of the range of valid values” during post-processing.
- Fixed a problem where the pop-up asking users to connect the TP-link wireless adapter did not appear when adding a new scanner.
- An issue was fixed where the post-processing step was blocked with the message “Complete the following scans before continuing to the Analyze page” when using TS 1.18.9.11
- Resolved an issue where a pop up saying “An issue occurred. Value cannot be null” when opening the old cases.
- An issue where the green check mark on the prep scan wouldn’t appear despite the scanning step being completed has now been fixed.
- Resolved an issue where trimming the prep area and leaving scan pages without closing trim tool leads to invalid state.
- Alignment has been removed for 360 and Emergence profile after post processing is finished
- Fixed an issue where cases could not be post-processed after adding a second indication on the same jaw and navigating directly from the Order Form to the Analyze page.

Features/Enhancements

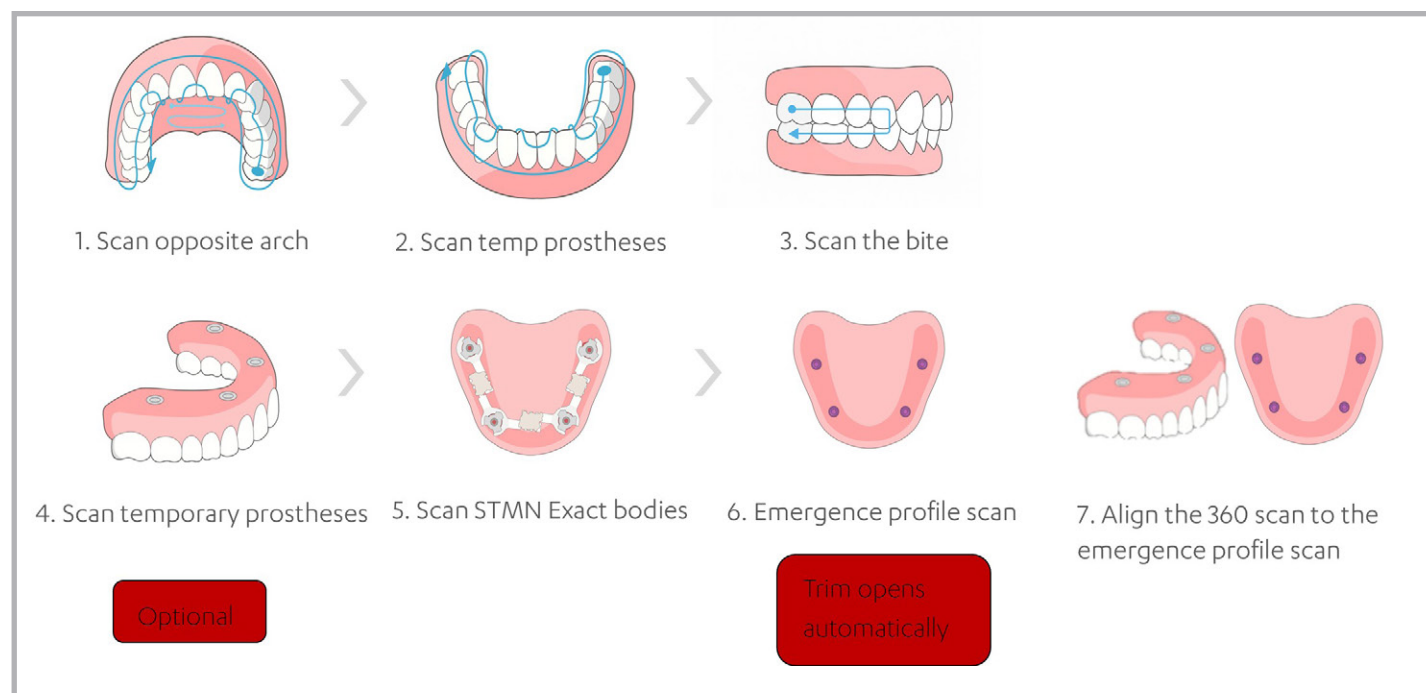
This release includes the below mentioned updates/enhancements:

Introducing Straumann Exact™ scanning workflow

The new full-arch TRIOS scanning workflow for Straumann Exact™ offers a guided, step-by-step scanning experience using Straumann Exact™ scan flags. The fully guided workflow combines clear animations and on-screen text guidance to support you step-by-step, making it easier to navigate the scanning steps and scan with confidence from start to finish.

The workflow is initiated using the “All on X” button in the order form, and completed scans can be sent to any lab with a UNIQ account for seamless collaboration. As you enter the 360 scan of the temporary prosthesis and the edentulous scan step, the trim tool opens automatically to ensure a smooth and uninterrupted experience.

Straumann Exact workflow steps:



Additionally, the Generic All-on-X workflow now offers added flexibility with the option to enable or disable the emergence profile scan, allowing you to tailor the scanning steps to your preferred approach.

Improved AI detection for cleaner scan results

AI scan has been upgraded with smarter, more precise detection ensuring unwanted surfaces or objects stay out of your final model. Even in challenging cases with significant tissue removal, you'll experience cleaner scans with less effort.

Guidance added to help optimize WiFi channel settings

We've added helpful guidance on how to change the WiFi channel, making it easier to improve scanning performance when connectivity is unstable.

☑ Solved issues

- An issue has been fixed where RAM usage increased over time, causing occasional freezes or PC crashes.
- An issue has been resolved where the “Caries Aid integrated scanning” option could not be unchecked.
- Improved the message shown when opening a case scanned on another PC in Unite III - the message now clearly shows which PC the scan files are stored on.
- An error has been addressed that appeared as “Object reference not set to an instance of on object” during scanning.
- Fixed an issue where older Unite II scan streams were not removed during disk-space cleanup.
- Corrected an error where users saw “Unable to use apps – apps that are not compatible: TRIOS”.
- Updated the on-screen image for wired scanner connection on MOVE/MOVE+ so it shows the correct hardware.
- The missing “Enable CAR” setting has been restored in TRIOS scan setting.
- An issue has been fixed where users saw “Cannot register background task after the case was deactivated.”
- A problem has been resolved, where scanning could not be started using the physical button on the TRIOS scanner.
- The issue where jaws with prepared teeth could become misaligned after post-processing has been corrected.
- Resolved an issue where the 360° Bite Tray scan could not be re scanned if the process was stopped mid way.

3Shape TRIOS release 25.5.2

May 26

Features/Enhancements

This release includes the below mentioned updates/enhancements:

☑ Solved issues

- Resolved an issue where intermittent network disruptions on TRIOS 5 and TRIOS 6 scanners could affect scanning performance.

Features/Enhancements

This release includes the below mentioned features/enhancements:

Your TRIOS 6 scanner now supports **hyperspectral imaging**, unlocking powerful new capabilities and ensuring compliance with the latest EU medical device regulations.

A **short in-software update** (that will take just a few minutes) will be applied to enable these changes. Once complete, your scanner will be updated with the following regulatory changes:

- Change from Class I to Class II in accordance with EU MDR 2017/745
- Change of model name from L1P-2B to L1P-2
- New UDI (Unique Device Identification) added
- Change of CE marking to include Notified Body identifier 2797
- Amended Safety and Setup guide to include information about hyperspectral imaging

After the update, you can review the changes anytime via:

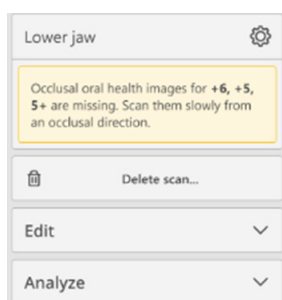
Home > More > Settings > TRIOS > Scanner management

Features/Enhancements

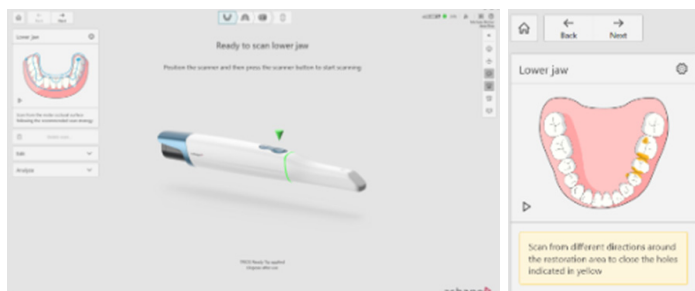
This release includes the below mentioned updates/enhancements:



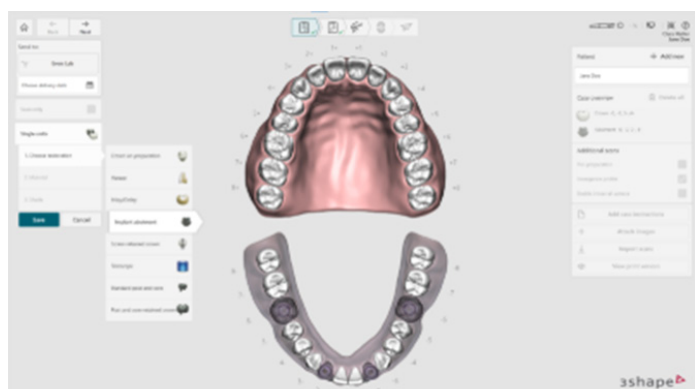
The scan overlay highlights areas needing more data and fades as you scan. Toggle it on or off in the side panel.



When you stop scanning you will receive feedback on missing occlusal oral health images.



The in-software guidance is available for all workflows and tools in the upper left corner, except for denture workflows



Step 1: Select bridge and 4+ implants

Achieve optimal TRIOS scans with a new quality overlay

We have updated the TRIOS scan overlay guidance to help you achieve the best scan results – more intuitively and efficiently than ever before. Now you can scan with greater confidence, as you will instantly see where more data is needed and, in this way, reduce interruptions or unnecessary rescans.

The new overlay is enabled by default; this can be changed in scan settings page.

The updated scan overlay guidance includes scan quality, that highlights areas that need more data, so you know exactly where to scan more. It is enabled by default in all scanning workflows.

Our TRIOS 6 customers can now also benefit from our new **occlusal oral health images feature**. This enhancement provides you with clear guidance on capturing high-quality hyperspectral scans, ensuring you achieve a clear and complete visualization of each tooth from an occlusal perspective. It is enabled by default in the Check-up workflow, and you can enable it in any other workflow from the scan settings page.

Move fast and easily through workflows with tailored guidance

To support and guide you in scanning, we are introducing new animations and text guidance, offering you clear, step-by-step instructions right where you need them. This helps you familiarize yourself with the steps and scan with confidence and achieve high-quality scans without needing to refer to external manuals or guides. The animation will play automatically for the first time and can be replayed anytime via the play icon.

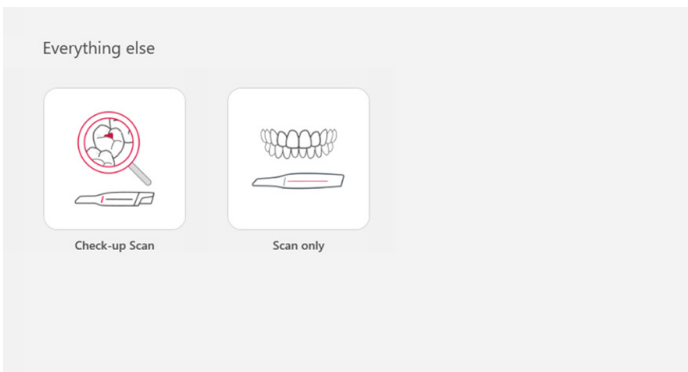
Dedicated All-on-x workflows

We are excited to announce that TRIOS now features a dedicated TruAbutment ioConnect workflow, enabling a seamless scanning experience for all-on-X cases using the ioConnect scan flags. The workflow provides the necessary scans for an ioConnect all-on-X case and are accompanied by animations and text guidance. This ensures a clear understanding and navigation throughout the scanning process, making it easy to scan with confidence.

Alternatively, you can also choose a generic implant workflow in which you will experience a fully guided all-on-x workflow. The all-on-x workflow can be initiated by selecting a bridge with 4+ implants on a jaw in the order form.



Step 2: Select your preferred all-on-x workflow



Coming soon: Straumann Exact™ x TRIOS workflow

We are also thrilled to announce that Straumann and TRIOS are uniting to launch a dedicated full-arch solution with Straumann Exact. A teaser for the Straumann workflow is also available in the software, with full release expected in Q1 2026.

Renamed Baseline scan to Scan only

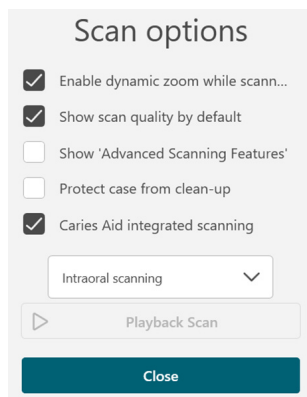
The Baseline scan workflow has been renamed to Scan only to improve usability. You can still work with the workflow as previously

Post processing speed improved by up to 40%

The postprocessing algorithm has been improved to ensure a quick and easy workflow. This is improved for all scanners.

New features added to Scan options

Now you can enable Dynamic zoom and Scan quality in the Scan options dialogue on the scan page. This will control the default setting for the system. You are still able to toggle scan quality on and off while scanning using the right side panel.



☑ Solved issues

- Fixed issues during TRIOS scanning caused by SharpDX.XAudio2 error.
- Resolved issue where scan data partially disappeared during scanning.
- Carries Aid toggle is now correctly hidden when Model scanning is selected.
- Info box guidance now reflects correct tray selection for 360 tray scans.
- Fixed error when loading scan data while opening a case.
- Added missing translations for previously untranslated strings.
- Disk space cleanup now uses the correct cleanup option.
- Added scans can now be selected in the Post and Core scan page.
- Fixed an error causing Unite to crash during TRIOS 5 scanning.
- Unite no longer freezes when switching from Copy Case to Scan Only.
- Baseline scans can now be reopened without error.
- Tooth marking now works in inspection mode on Unite 3 with TRIOS 3.
- Second additional scan can now be deleted in the Inlay-Core step.
- Manual bite re-alignment is now possible more than once.
- Bite Clearance Tool view no longer causes jaw overlap in partial scans.
- Shade numbering has been restored to the tooth button.
- Cases now successfully arrive in Invisalign after Stream Import.
- The issue of several “please wait” spinners shown on the scanning page and cases list has now been fixed.
- Check marks now appear correctly when all scan steps are completed.
- Error message “Object reference not set to an instance of an object” no longer pops up when selecting Shade Measurement.
- Bite scans now align properly in a case with emergence profile scan.
- The issue of Shade measurement not updating, when the tool is being used after it is re-opened on the scan page has now been solved.

Features/Enhancements

This release includes the below mentioned updates/enhancements:

- In the Removable Partial Denture workflow, the default scanning mode has changed from Intraoral Scanning to Edentulous Scanning. This mode allows for capturing more of the gingiva, making it easier for users to get the right results without manually adjusting settings.
- In the Denture Workflow, for the 'Existing Teeth' scan type, the default scanning mode is now Edentulous Scanning, as this mode allows for capturing more of the gingiva, helping users get the right results without manually adjusting settings.

☑ Solved issues

- The issue where users saw the error message "Unable to use apps – apps that are not compatible: TRIOS" after updating to TRIOS version 25.3.2 has now been fixed.
- The issue on Move Pro being slow at connecting when selecting scanner has been resolved
- The issue on Move Pro 'Unable to change Wireless channel on Move Pro' has now been resolved.
- The issue where users saw the error "USB dongle for wireless scanner is not connected" on Move Pro after coming back from sleep has been fixed.

3Shape TRIOS release 25.3.2

Sep 25

☑ Solved issues

- For some cases, the issue of users not being able to work with orders in Unite using other languages than English has now been resolved.
- For some cases, the error where the pre-preparation scan sometimes appears slightly misaligned with the preparation scan has now been fixed.
- The error message saying "Error loading scan data. The input string was not in a correct format." On the order form page has been addressed.
- Scanning the bite in denture and crown cases no longer causes errors.
- The error message seen as "Unable to use apps -Apps that are not compatible: TRIOS" after updating to TRIOS 1.18.8.8 has now been fixed.

3Shape TRIOS release 25.3.1

Aug 25

☑ Solved issues

- Resolved occasional system unresponsiveness when using the Margin Line feature, on the Analyze page.
- Resolved bite scans misalignment of upper and lower jaw after alignment was finished when using TRIOS 6 scanner.
- The "Running on battery" notification is now reliably showing when starting to scan and your PC is operating on battery power.
- Resolved occasional error "When a MutableModelCollection is active, scans can be changed ONLY through that", when post-processing scans.
- Resolved occasional error "Unable to use apps -Apps that are not compatible: TRIOS" after upgrading to TRIOS SW v1.18.8.7.
- Restored visibility of the "Clear scan" button on the Patient Specific Motion page.
- Resolved issue where Unite became unresponsive at the "Loading existing scans" when opening a case that had not yet been post-processed case.

3Shape TRIOS release 25.3

Jul 25

Features/Enhancements

This release includes the below mentioned updates/enhancements:

- To help users stay informed a pop-up message will appear when the PC or TRIOS Move battery is charging, improving awareness and device readiness.

✓ Solved issues

- In cases scanned with the TRIOS 6 scanner, the issue where the tops of scan bodies were erased after post-processing has been resolved, ensuring greater precision and reliability.
- If the scanner disconnects during scanning, the system now shows the error message: "Cannot disable scanning without a scanning session" to help quickly identify and resolve the issue.
- When additional scanning is performed, the model now displays correctly during playback, ensuring a consistent and reliable review experience.

3Shape TRIOS release 25.2

May 25

Features/Enhancements

This release includes the below mentioned updates/enhancements:

- A new feature has been added to the manual alignment wizard on the Bite page, where users can now flip scans with a single click using a dedicated button to quickly get a correct orientation.
- AI Scan has been improved to remove even more unwanted soft tissue during your scan, reducing the need for manual clean-up and helping you achieve faster, more accurate results.

✓ Solved issues

- An error message stating "The case does not have any scans that are ready to send" may appear when attempting to send a case, where the scan has been swapped, particularly if only jaw has been scanned. So, if you accidentally scan upper instead of the lower jaw, you can swap the scans. This option is available in the left-side panel under 'Tools'.
- When changing the scanner an 'incompatible scanner' pop up is shown.
- In crown cases, a pop-up notification is shown as a reminder to mark tooth.
- Scan frame now turns white when taking an HD photo after the sub-scan registration is found again after being lost.
- The manual disk clean-up dialog no longer appears when available disk space drops below 15 GB.
- An issue where scan surfaces not connected to the main model were mistakenly removed in implant cases, when emergence profiles were deselected has now been resolved.

3Shape TRIOS release 25.1

April 25

Introducing the new update from TRIOS Software 25.1, designed to enhance ease of use for all users and improve overall usability. Navigate effortlessly with the new updated UI and guided workflow, get a clearer and more detailed scanning overview with dynamic zoom and enjoy a streamlined workflow that fits seamlessly into your clinical routines. The update is available for all TRIOS scanners.

Features/Enhancements

This release includes the below mentioned updates/enhancements:

- New improved User Interface:
 - New icons have been added to the workflow bar, to the left side panel and to the visualization tools panel.
 - For easy accessibility, a responsive left-side panel is introduced presenting relevant tools for a specific scan step.
 - Possibility of enabling the 'Advanced Scanning Features' that provides quick accessibility, with button in the UI for "Scan," "AI Scan" and "Zoom scanning."
- New model view with dynamic zoom feature during scanning provides enhanced scanning experience.
- Updated workflow sequence to accommodate clinical workflows. Scan lower jaw, upper jaw, occlusion before any additional scans.
- "Adjust for Contacts" is now OFF by default presenting the recorded occlusion without any adjustments.
- What's New info boxes has been implemented explaining the above changes.
- "Status scan" is renamed to "Baseline scan" with no behavioral changes.
- Support for TRIOS 6 scanners.
- TRIOS 6 introduces HD scanning which eliminates the need for marking preparations to obtain a higher detail level.
- Support for upcoming Move Pro.

3Shape TRIOS release 24.3

Oct 24

☑ Solved issues

- The issue of the touch screen being unresponsive when using the margin line feature has now been fixed, making it easier to adjust or set margins as intended.
- The inability to interact with scanned models during previous scanning step has now been solved, enabling users to make the necessary adjustment or verifications before moving forward.
- The issue of lower jaw model disappearing, when upper jaw scan is made first has now been fixed, making it easier to make a complete scan set without the workflow being disrupted.
- The observed decrease in scanning speed, followed by a Unite III update has now been solved, so it no longer affects the overall scanning efficiency.
- The error message "Scan Streams not available" that is displaying when a user is entering the scan page has now been fixed, enabling users to proceed with the scanning process.

3Shape TRIOS release 24.2

Jul 24

Features/Enhancements

- 'AI Scan for bite': Experience enhanced scanning capabilities, for even the most challenging bite areas as you can now use our known AI scan for bite scanning.
- Expanded scanner support: TRIOS Software now supports our refreshed TRIOS 3 scanner and new TRIOS Core scanner.
- TRIOS Ready Tip compatibility: TRIOS Software now supports our new TRIOS Ready Tip, 3Shapes first single use tip, designed for TRIOS 5.

☑ Solved issues

- The issue of snapshot appearing blank when the margin tool is opened on the analyze page is fixed.
- An error message stating "Object reference not set to an instance of an object" occurs when using the shade measurement tool.
- Users can now interact with the model in the previous scanning step without issues.
- Navigation arrows in the Mark Tooth tool are now responsive when marking more than 7 teeth.
- Unite no longer crashes when opening any documentation tab in the Help Center.
- Bite scans are now properly aligned with the upper and lower jaw after alignment is finished.
- Localization issues in TRIOS Software settings have been resolved.

3Shape TRIOS release 24.1

April 24

☑ Solved issues

- When the computer wakes up from sleep mode, pressing the scanner button doesn't initiate scanning.
- An error appears when running the performance test in System settings.
- In a Denture case, the AI scan option remains active on the scan page even when AI is disabled in the Scan settings.
- Users are unable to proceed with scanning using a different scanner if the previous scan, which was conducted with another scanner, is cleared.
- Occasionally, when attempting to post-process a case, an error message pops up saying 'An issue occurred. Post processing failed'.
- Fixed errors during "Recover scan."
- The analyze page displays the model from the previously scanned/opened case.
- Fixed error during scanning is shown by the message "Property cannot be accessed before(...)"

3Shape TRIOS Software keeps improving for better functionality. The denture workflow has now been improved with two new scan types to support additional types of edentulous cases. In addition to the existing scan types 'Edentulous,' 'Intraoral' and 'Copy Denture,' users now also have the choice of selecting the two new scan types 'Reference Denture' and 'Existing Teeth.'

Features/Enhancements

The denture workflow now consists of five scan types:

The Denture workflow now offers five scan types, that can be applied for the scenarios for the upper and lower jaw below:

- **Edentulous** – To scan your edentulous patient intraorally.
- **Existing Teeth** – To scan your patient intraorally with teeth still present.
- **Reference Denture** – To scan the denture with relined impression.
- **Copy Denture** – To scan an existing denture to do a duplicate denture.
- **Impression** – To scan an analogue impression.

How do you wish to scan lower jaw?



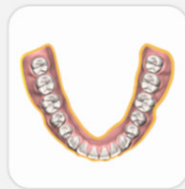
Edentulous

By scanning the edentulous patient intraorally.



Existing Teeth

By scanning the patient intraorally with teeth still present.



Reference Denture

By scanning the denture with relined impression.



Copy Denture

By scanning the existing denture to do a duplicate denture.



Impression

By scanning an analogue impression.

✓ Solved issues

- In Zoom mode scanning, sub-scans are registering wrongly, resulting in overlapping areas on the scan.
- After the scanner is disconnected an error message appears with "NullReferenceException" resulting in 3DD crashing.
- Users can see an error when selecting another scanner from the Scanner Management tray.
- When using the toggle annotation button in the margin tool, an annotation from the opposite jaw is shown on the analyze page.

3Shape TRIOS release 22.1.10

Oct 23

☑ Solved issues

- For some MOVE+ users, after creating the case, users try to go to the scan page, error is shown and scanning is not possible.

3Shape TRIOS release 22.1.9

Sept 23

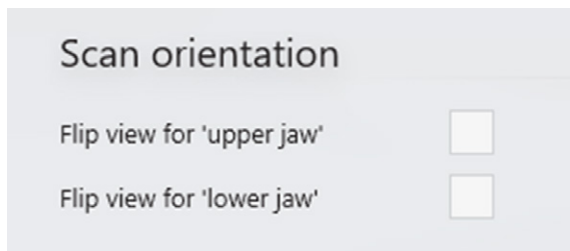
Features/Enhancements

Some users have experienced warm Dell Precision 7670 laptops while scanning with TRIOS. This patch significantly improves the heat management of the laptop and the related scanning experience. The Windows Power Plan will be changed to the recommended "Balanced" configuration.

3Shape TRIOS® Software keeps improving for genuine ease of use. Version 22.1.8 brings new functionality that allows users to change the view orientation in both live view and the 3D model. Please find the details of all these enhancements given below:

Features/Enhancements

- It is now possible to change the view orientation in both 2D live view and the 3D model. You can now easily rotate the scan by 180 degrees for both the lower and upper jaws using the newly added checkbox in the scan settings.



- When adding a wireless scanner on TRIOS Move, the default connection mode is now TP-Link. Users no longer need to choose between TP-Link and TRIOS Share during setup. Likewise, users are not asked to connect the TP-Link adapter. The option to switch to TRIOS Share connection remains available from the scanner management page, if needed.
- When adding a scanner with TRIOS Share connection type, users are presented with a drop-down list of available Wi-Fi networks. This makes it easier to select the clinic's desired network. Additionally, users still have the option to manually enter the network name if necessary.

☑ Solved issues

- In the TRIOS 5 Scanner the LED ring color remains white after bite scanning, instead of turning green.
- Not possible to move to the bite scanning step and an error message is displayed stating 'Cannot navigate to the Scan Page'.
- The text in the Infobox for the lower jaw scan strategy includes the word 'palate,' which is incorrect since the lower jaw does not have a palate. The text should be reviewed and the word 'palate' should be removed.
- Sometimes, when a user stops scanning, an error is encountered, and the error message displayed is 'Invalid Operation Exception: Bounding Box is empty.'
- When users navigate from the upper scan page to the bite scan page, an error message is shown as "Object reference not set to an instance of an object."
- When using the TRIOS Share connection type with the TRIOS 4 scanner, sometimes during the scanning process freezing issues can happen.
- TRIOS 3 and TRIOS 4 Wireless scanners sometimes fail to update firmware with the error message as "Unable to read data from the transport connection".

3Shape TRIOS release 22.1.6

Apr 23

☑ Solved issues

- The battery charge percentage information is not displayed for the newest TRIOS 5 batteries.
- When using the TRIOS Share connection type with a TRIOS 5 scanner, there is an issue where the correct color collection is lost when scanning is continued on an existing case after taking over the scanner from another PC.

3Shape TRIOS release 22.1.5

Feb 22

3Shape TRIOS® Software keeps improving for better functionality and genuine ease of use. Version 22.1.5 brings easier scanner reconnection option when using TRIOS Share and improved notifications. Please find the details of all these enhancements given below:

Features/Enhancements

- With TRIOS Share the last selected scanner can now automatically reconnect when the battery is replaced, or TRIOS 5 scanner wakes up from sleep etc.
- When the laptop is running on battery, there will be an improved notification shown in the software.

☑ Solved issues

- Auto Alignment does not work on Bite 1 in the Denture workflow case.
- Unite is crashing with the error message "COM Object pointer is null".
- In a Post and Core order, a pop-up appears when user presses "Scan".
- On the Patient Specific Motion scan step, Pause button is shown when the scan is cleared.
- Patient Specific Motion scan is not playing on the Analyze page when using "Show contacts".
- Patient Specific Motion scan does not autoplay when entering an existing case.
- Wrong translation of "Lower jaw" in Hungarian language.
- Error message "Index was outside the bounds of the array" appears when trying to postprocess a case.

☑ Solved issues

- When using TRIOS 5 scanner it is difficult to scan distal surfaces compared to other surfaces.
- TRIOS Client point validation message is shown if user presses the scanner button more than once during scanning.

3Shape TRIOS® Software keeps improving for the benefit of your simple workflows. Version 22.1.3 brings easier-to-use Network Assist tool and provides improved Tips and Tricks with guiding information on the scan page. Please find the details of all these enhancements given below:

Features/Enhancements

- For a new TRIOS installation "Enable Share" button is now shown on the Scanner Management page.
- You can now run the Network Assist tool on the Scanner Management page when your scanner is connected via TRIOS Share.
- The user will now be advised on how to handle the existing cases which were made with different scanners (e.g. cases which were scanned with TRIOS 5 but opened with TRIOS 3/4 scanner).
- Validation of 'Client Points' (3DD clients in a client/server setup) is improved during scanning process for ease of use.
- Analyze page is now shown by default for In-house workflow, and it can also be disabled if needed.

☑ Solved issues

- When bite tray is scanned in a Denture case, manual bite alignment wizard doesn't show up after scanning is stopped.
- When using TRIOS Share on a new TRIOS installation, user can see the error when trying to connect the scanner.
- Error message "NullReferenceException" pops up when starting to scan.
- Field "Name your scanner" in TRIOS Share only shows up if user connects or disconnects a scanner.
- In Remote mode after Reset is done, "Copy scan" position is not centered.
- In a Denture case, Tools menu is disabled on the bite page when the manual alignment wizard is open.
- For TRIOS Share connection, user can't add a new scanner via "Connect another scanner" page.
- After trimming, the software starts layering scans over each other.
- Error "NullReferenceException" pops up in some cases when trying to clear the scan.
- Slow scanning is observed after error message "Failed to warm up ONNX DentalTissueNet".
- Null reference exception is seen sometimes on the scanning step.
- Invalid operation empty queue exception can pop up during Live Bite alignment.
- On the post-processing step user can sometimes see the error "Cannot normalize zero vector".
- Issues when trying to re-scan the previously scanned area when switching between scanners.
- When using TRIOS 5 scanner, user can scan without tip if it is removed immediately after scanning.
- In a Send-to-lab case it is not possible to re-enter the scan page after clearing the lower jaw scan.
- Tips & Tricks Window isn't translated to any local language.

3Shape TRIOS® Software continues to increase the value of your TRIOS scanner. Version 22.1.2 brings an enhanced scanning experience and improved functionality. These new features have been designed to provide a seamless scanning experience and a smooth workflow. Please find the details of all these enhancements given below:

Features/Enhancements

- **Network Assist tool for TRIOS Share**

- You can now use a Network Assist tool in the scanner connection wizard to check if your network meets the minimum requirements for TRIOS Share.

- **Improvements for the TRIOS 5 scanner**

- Scanning is not allowed if a scan tip is not attached;
- You can now enable or disable the haptic feedback in Remote mode.

☑ Solved issues

- Error message "An issue occurred during scanning" is shown when scanning with AI, and further scanning is not possible after that.
- Error message "SharpDX.XAudio2" can cause the TRIOS application crash.
- When using Patient Specific Motion feature, Info box with guiding information is shown only once.
- Fluorescence scan is not updated when scanning with TRIOS 5 on the Caries Aid scan step.
- Calibration is not working for some of the old scanners.
- In Remote mode Zoom is not working after the tooth is marked.
- HD Photo does not get correctly aligned when scanning with TRIOS 5.
- During scanning the scanned model sometimes has some artifacts or small holes.
- Remote mode is deactivated when Denture scan is chosen on the scan page.
- When trying to add another scanner via "Connect another scanner" in TRIOS Share, Scanner info is not validated.
- Calibration notification is not shown when entering the scan page for P13 and TRIOS 3 scanners.
- When the user presses "Scan" on the Patient Specific Motion scan step, warning message is displayed.

3Shape TRIOS release 22.1

Sept 22

3Shape TRIOS® Software continues to increase the value of your TRIOS scanner. Version 22.1 brings the support for the TRIOS 5 Scanner, more robust scanning experience and improved scanner management interface. In addition, 22.1 introduces the TRIOS Share functionality to allow you the full mobility. Please find the details of all these enhancements given below:

Scanning features



Support for the TRIOS 5 Scanner

Support for the TRIOS 5 scanner will include ScanAssist to give you an even easier and robust scanning experience.



New “Remote” mode

New “Remote” functionality allows easy interaction with the software and enables using a TRIOS 5 scanner as a mouse on the scanning page.

TRIOS Share functionality – Now included with TRIOS Wireless Scanners

With a new TRIOS Share function it is now possible to use a standard Wi-Fi connection in the clinic to scan and plan with the TRIOS wireless scanner from any PC anywhere in the practice. Now TRIOS wireless users can carry only the scanner from room to room and connect it via a standard Wi-Fi network in the clinic.

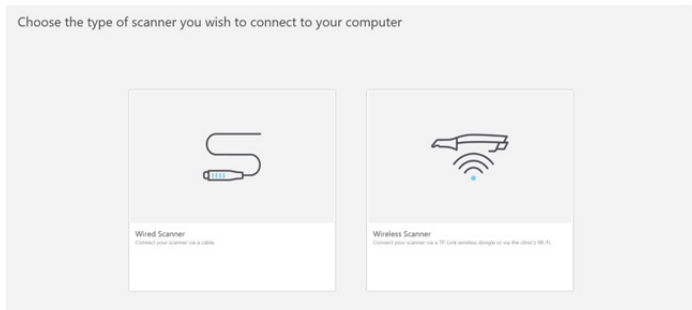
Improved interface for the Scanner Management page

The Scanner Management page can now be opened by clicking on the scanner icon in the top right corner where you can perform the operations, such as “Disconnect”, “Turn off the scanner”, etc. Now you can check not only the wireless scanner’s status more easily, but also the scanner’s battery level.

3Shape TRIOS release 22.0

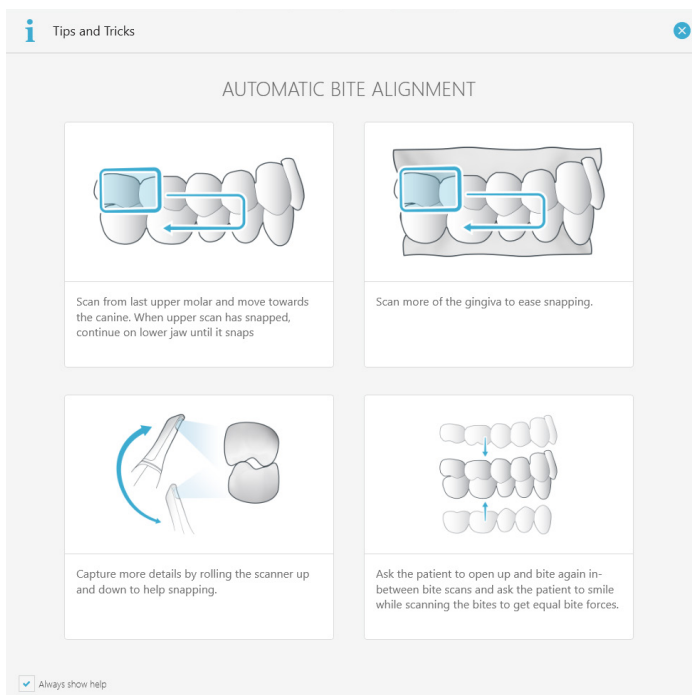
Aug 22

3Shape TRIOS® Software keeps improving for the benefit of your simple and easy-to-follow workflows. Version 22.0 brings more improved easy-to-use Scanner Connection wizard and provides improved Tips and Tricks with guiding information on the scan pages. Please find the details of all these enhancements given below:



Features/Enhancements:

Scanner Connection Wizard has now got the improved interface which guides you better when you add and connect a new scanner.

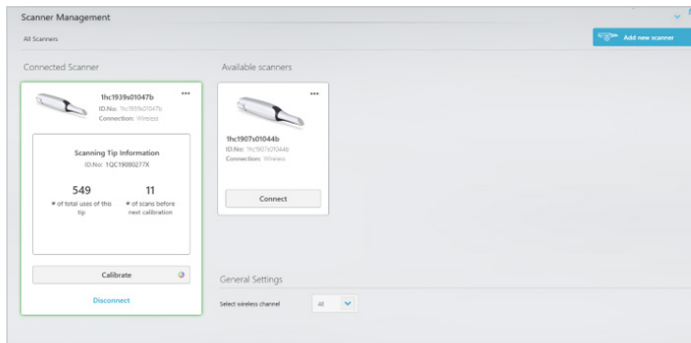


Improved Tips and Tricks which provide you the guiding information with better illustrations that can improve how you utilize your scanner and software.

3Shape TRIOS release 21.4

Oct 21

The value of your TRIOS scanner always grows with TRIOS software updates. Version 21.4 brings an improved scanner setup & scanner management experience. In addition, 21.4 enables the 3Shape Unite integration to provide you with smoother workflows and integrations..



New Scanner Management page – Improved scanner setup & scanner management experience

New and improved UI for Scanner Management provides easy options to manage the scanner connections. Use the step-by-step guide for both wired and wireless scanners.

TRIOS scanning software is now available in 3Shape Unite

The TRIOS scanning software is now fully integrated in the new 3Shape Unite platform, enabling you to take advantage of all the benefits of 3Shape Unite.

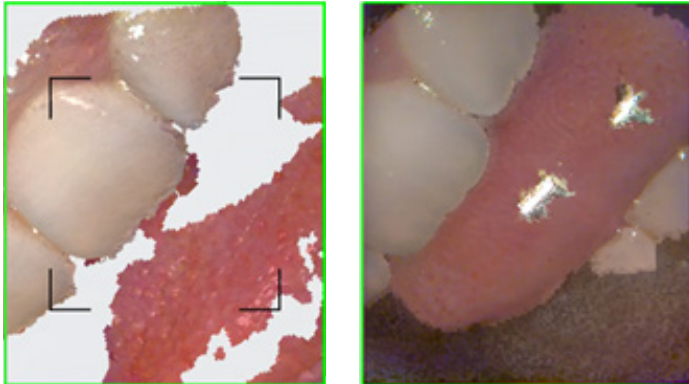
✓ Solved issues

- Error “IOException” was seen sometimes, when editing a case and quickly going to the scan page.
- Scan setting for “Bite adjustment” was not passed along in the Bite Scan step as per the selected option.
- “Adjust for contacts” was On for certain order types where it was expected to be Off.
- Error: “The process cannot access the file because it is being used by another process” was seen after installing.

3Shape TRIOS release 21.3

Jun 21

3Shape TRIOS® Software continues to increase the value of your TRIOS scanner. Version 21.3 brings an enhanced scanning experience, improved functionality, and quality improvements. These new features have been designed to provide a seamless scanning experience in even the most challenging areas of a patient's mouth.



AI Scan 2.0 – scanning has never been this easy

With the new TRIOS AI Scan 2.0 algorithm, it is even easier to scan challenging parts of the jaw, such as the incisal edges of the front teeth or when soft tissue, like cheek and tongue, interferes with the scan. With the new AI, dentists have been able to reduce the average scan time by more than 11 % for all lower jaw cases, providing a smoother experience for you and your patients.

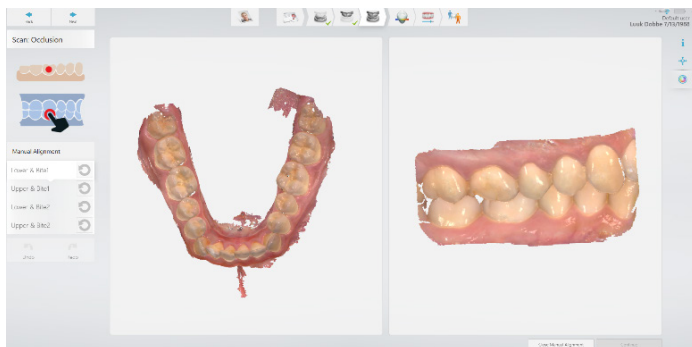
Even in cases where moving tissue covers more than half of the image, you can continue scanning and let AI Scan 2.0 do the magic. This improvement is truly designed to give you a seamless scan experience.

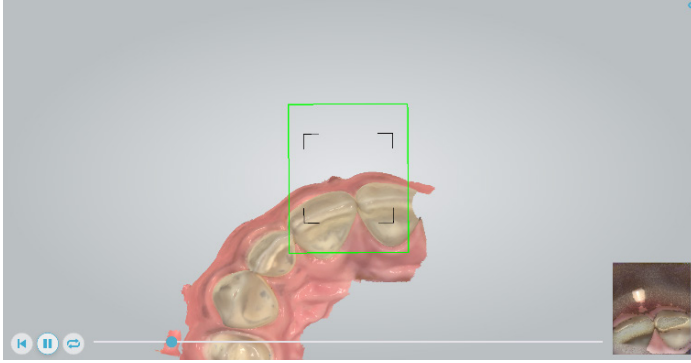
Additionally, AI Scan 2.0 will enable you to scan full edentulous arches easier than before. Use the edentulous intra oral scan workflow in the full edentulous indication or go to the 'Tools menu' on the scan page and select 'Edentulous scanning'.



Manual bite alignment – now fully guided

Aligning your scans manually is now easier than ever. The fully guided step-by-step workflow will take you through all the necessary steps for a perfect alignment. In case you need more guidance, press the "i" button in the top-right corner for more information.





Playback your scan – Evaluation of your scan made easier

The playback function is back! Evaluate your scan behavior, demonstrate to your peers and improve support quality.

Re-play the scan you just did for learning and demonstration purposes. You can also use it in case you run into problems during scanning. Simply connect to Support, show us the scan playback. This way we can better assist you in any scan challenge you may have. Find the playback function in the 'Tools' menu on the scan page.



Margin line editor – Improved user experience

The margin line editor has been updated to make it easier and more user friendly to set and adapt the margin line around the preparation. Set the margin line automatically with a single click and quickly manually edit as needed by re-drawing parts of the line for potential corrections.



Patient Specific Motion – Now included with TRIOS 3 Basic

All TRIOS 3 Basic users (with retroactive effect) are now eligible to use Patient Specific Motion. Learn more about the software here to see how it can benefit you and your patients.

✓ Solved issues

The following reported issues have been solved in this release:

- An error was shown when navigating quickly from lower scan page to upper or vice-versa
- An error was given when the Shade Measurement feature on Analyze page was opened
- An error was shown while trying to clear the scan and when navigating between scan pages
- The error message "Scanner not connected" was shown if the scanner disconnects just before the calibration was started
- The blue contact color was missing when using switch view in the Clearance feature on the Analyze page

3Shape TRIOS 21.1.1

Mar 21

✓ Solved issues

The following reported issues have been solved in this release:

- On systems with an NVIDIA GeForce RTX 3070/3080 video card it took a long time before scanning could be initiated
- A pop-up falsely showed guidance for scanning of a lower jaw on the pre-preparation step of an upper jaw
- An error was given when navigating quickly from the lower scan page to the upper scan page or vice-versa
- The error message "Scanner not connected" was falsely shown if the scanner got disconnected just before calibration was started
- An error was given when the shade measurement feature on the analyze page was opened

3Shape TRIOS 20.1.3

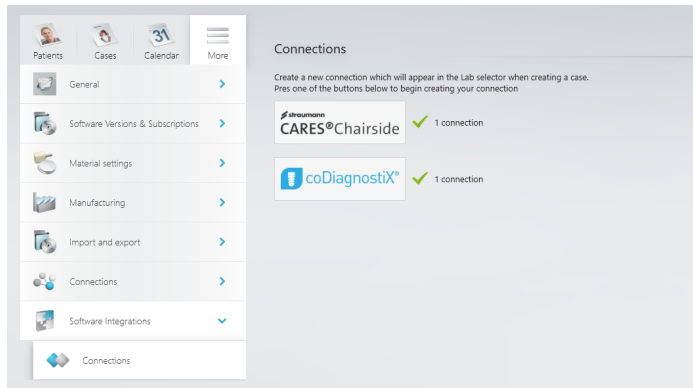
Nov 20

✓ Solved issues

The following reported issues have been solved in this release:

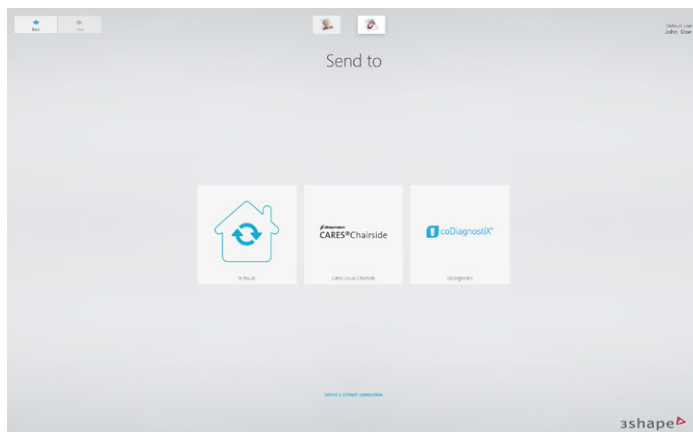
- In some rare circumstances the memory usage suddenly increased too much
- In some cases, in the Pre-prep workflow, the user could get a message saying "NullReferenceException" when pressing the "Reset" button on the Prep scan page
- A message that said "Firmware not up to date", prevented the option to make an HD Photo by TRIOS P12 & P13 on TRIOS version 1.18.4.1 and above
- The TRIOS Classic option to "Transfer Patients and Users" was visible on systems where TRIOS Classic was not installed
- "Scanner has been disconnected" popup on 3DD startup could appear, even when scanner was never connected
- In some cases, the trim feature did not work on Bite 2
- Sometimes, directly after starting up Dental Desktop, the creation of a new case could lead to a crash

3Shape TRIOS® Software keeps improving for the benefit of your high-quality restorations and continuously improved workflows. We are happy to offer you an optimized user interface, optimized workflows and an ongoing focus on Dental Desktop and TRIOS being an open ecosystem.



Unlock new chairside workflows with Dental Desktop and Straumann Cares Visual Chairside and coDiagnostiX

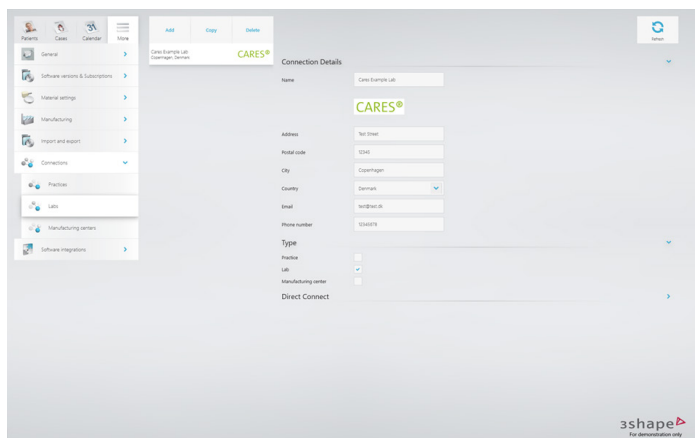
3Shape Dental Desktop is now integrated with Straumann Cares Visual Chairside and coDiagnostiX software allowing fast and easy transfer of 3Shape TRIOS® cases directly to these two software applications. This unlocks two new frictionless chairside workflows – a restorative chairside workflow with Straumann Cares Visual Chairside and an implant planning and surgical guide workflow with coDiagnostiX. These two new workflows are configured in the Dental Desktop settings under the new Software Integrations tab.



Once a connection between Dental Desktop and Straumann Cares Visual Chairside or coDiagnostiX has been established, you will see a Cares Chairside/coDiagnostiX logo among your “Send to” options in the beginning of your workflows.

From here, you simply select the application you want to send scans to by clicking the respective logo, specify your order details, complete scanning, and then send off your TRIOS scans. Once sending is done, you can now continue in the receiving application, where you will see the order show up.

Note: The workflows described in this section requires you to have Straumann Cares Visual Chairside or coDiagnostiX software available.



Send your 3Shape TRIOS® scans to Straumann Cares Visual powered Dental Labs via 3Shape Communicate®

You can now send TRIOS cases directly to dental labs working with Straumann Cares Visual software. This expands the range of lab partners you can connect to and collaborate with in an easy and efficient digital workflow.

This new workflow is powered by 3Shape Communicate, meaning that the workflow in the clinic is the same as when you are sharing cases with labs via 3Shape Communicate today. To establish a connection to a Straumann Cares Visual powered lab, you simply need to establish a 3Shape Communicate connection with the lab. This can be done either from the settings pages in Dental Desktop under Connections >> Labs >> Add or online on the 3Shape Communicate web portal.

When the connection is established and has been accepted by the lab, then you will see the new Lab connection on the “Send to” page when starting new workflows. Simply select the lab here and continue as you would normally do with order creation, scanning and sending.

Changes and Enhancements

- AI scanning is disabled, by default, for all denture modes in the denture workflow and also when switching to Intraoral Edentulous Scanning mode on the scan page in the Tools menu
- Added guidance information for impression and copy denture scanning in Full Denture workflow

☑ Solved issues

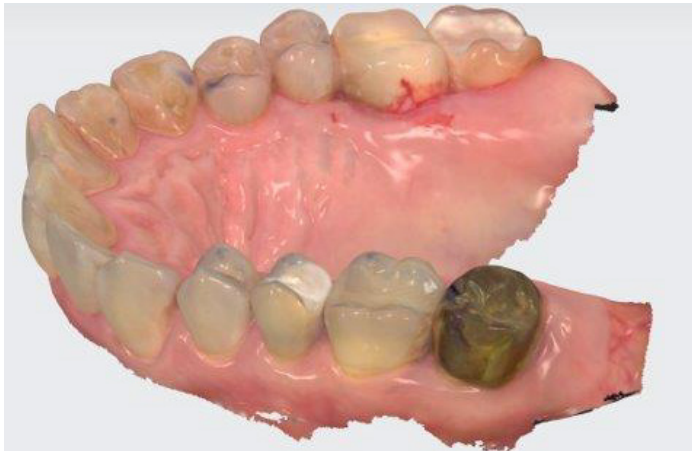
- "Always show help" is not working on the bite page in Denture workflow
- On the bite page, an error is given when scanning is stopped after one jaw is aligned and scanning is resumed
- An error is seen when closing clearance feature on Analyze page
- Patient Specific Motion step is in wrong position in the workflow bar in Denture workflow
- An error when moving to upper jaw while scanning the lower jaw
- If the scanner disconnects during scanning, a popup is shown regarding scanner firmware update
- An exception occurs when a case is re-opened when it was left without marking the prep
- The user is asked to postprocess the case for which the stream files are deleted during Disk Cleanup
- AI setting is not being applied when it is updated in the scan settings

3Shape TRIOS Software 20.1.0

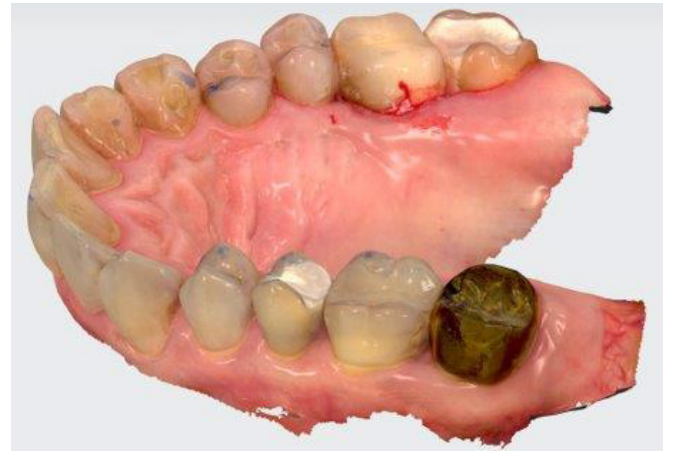
3Shape TRIOS® Software keeps improving for the benefit of your high-quality restorations and continuously improved workflows. Version 20.1.0 brings improved colors, a one of a kind denture workflow and the option of using any scan as an aid for detecting caries.

Improved colors

The scan will now be displayed with improved colors. Impressively enough making the scan even more detailed and realistic. The increased resolution brings sharper details and improved contrast for a thorough inspection of the scan and an increased detail level in the evaluation of the dentition.



Before



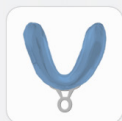
After

How do you wish to scan lower jaw?



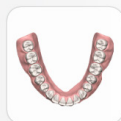
Intraoral

By scanning your patient directly, a mucostatic impression.



Impression

By scanning an analogue impression of your patient.



Denture

By scanning the existing denture, as a copy denture.

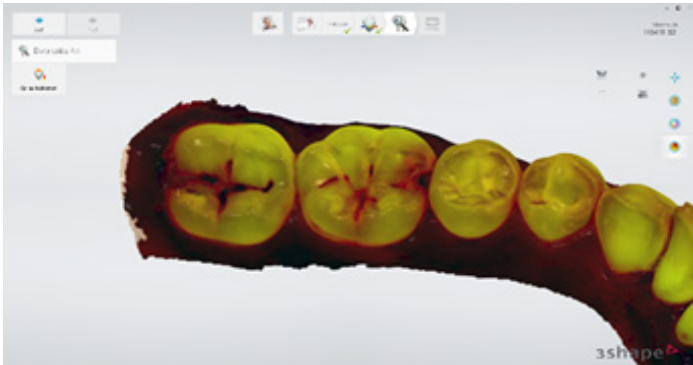
Denture workflow

Introducing the flexibility of choosing the scan type that is relevant for a specific case, the denture workflow allows for the choice of edentulous intraoral scanning, impression scanning and copy denture scanning. The workflow caters to combine the scan types as well.

Easier to scan for edentulous case

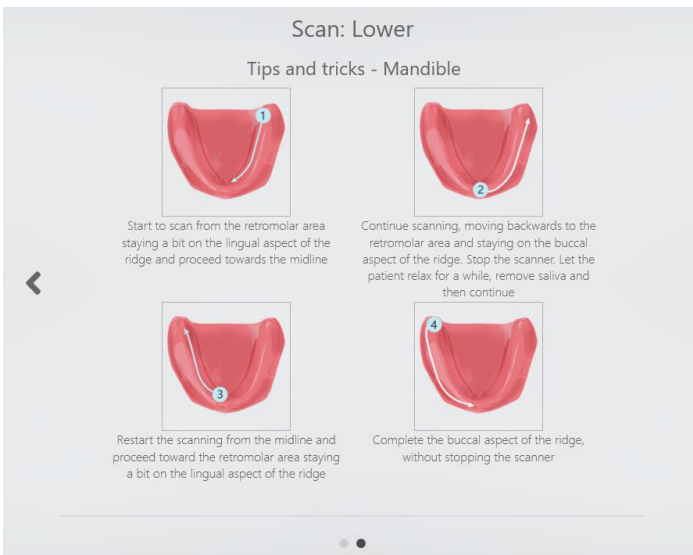
Besides from improving the experience of scanning for dentures, the workflow for edentulous “bite scanning”, being 3D bite plates, wax rim, etc., is made easier and there is now the option to choose from “Centric tray bite scanning” and “the normal bite scanning” in the Denture workflow.





2-in-1 Fluorescence scanning

For the scanners that allow for fluorescence scanning there is time to save. Previously the caries aid scan required two scans of the same patient. With version 20.1.0 of the TRIOS software this will require only one scan to capture all the data you need to be able to toggle between the intraoral scan and the caries aid view.



User interface improvements

When scanning you will now experience a more visual approach that can help you to the best scan experiences. Illustrations will show step-by-step guidance and dynamic content will guide you through important features that can improve how you utilize your scanner and software.

Smart tips

The smart tip following the 3Shape TRIOS® 4 scanner has built-in electronics making it possible not only to heat the tip incredibly fast, but also to let the user know when it is time for calibration of the tip. Now the remaining “Usages until next calibration” is displayed on the Scanner Management page, ensuring that you can plan accordingly.

Example:

User interface with tips and tricks for scanning an edentulous patient

☑ Solved issues

- Trim tool does not always remember the last used trim mode
- Additional calibration dialog is shown when re-connecting 3Shape TRIOS® 4 scanner's tip even though one is already shown
- Scanner status panel does not show the serial number of the last connected scanner that will auto connect when turned On
- User is able to start scanning while calibration dialog is shown
- Annotations and Direction buttons are enabled when Pre-Preparation Scan Slider is checked
- Analyze Page is not available when Post&Core or Scan body steps are marked as Done
- Disabled Insane mode prevents holes cutout after additional scans
- Check for "Free hard disk space" sometimes shows the available space on the wrong drive
- On the Analyze page, color scale is cutting in the Clearance feature
- Bite has intersections even though "Adjust for contacts" has been enabled
- Too many holes are shown on the post processed model as compared to the scan model
- Error message "Index was out of range" is seen on the occlusion step which, sometimes, is causing the bite scan color changing to mono

Useful links

Training videos

[3Shape TRIOS case management](#)

[3Shape TRIOS crown workflow](#)

[3Shape TRIOS custom order form in TRIOS](#)

[3Shape TRIOS caries aid for caries detection](#)

[3Shape TRIOS edentulous patient – copy denture scanning workflow](#)

[3Shape TRIOS edentulous patient – impression scanning workflow](#)

[3Shape TRIOS edentulous patient – intraoral scan workflow](#)

[3Shape TRIOS scan strategy – edentulous patient](#)

Resolved Issues

☑ 3Shape TRIOS® 19.2.5 (Feb '20)

- Dental Desktop crashes if scanner disconnects during Patient Specific Motion scanning
- Scanner status panel continue to show "Wireless scanner, not connected" even after the scanner is connected
- Error when using the "Tab" button on the keyboard to select the wireless scanner on the Scanner Management page
- In some cases holes may appear on the scanned model after the scanning is stopped

☑ 3Shape TRIOS 19.2.4 (Oct '19)

- Improved workflow in TRIOS Design Studio® (in the rare case of modifying the orderform after the case has been post processed, the CAM step could become unavailable. In the rare case of modifying the orderform after the case has been received, the Anatomy Design step could become unavailable)
- In some rare cases shade measurement could get disabled during scan start
- Stall if 'Next' was pressed immediately after capture of Bite 1, when Anatomy design is installed
- Stall if changing the indication in an implant workflow, after the scanning has been performed

☑ 3Shape TRIOS 19.2.2 (Aug '19)

- On Patient Specific Motion page, scanner starts with slight delay after the scan button is pressed
- Buttons for Bite 1 and Bite 2 are not marked after the bite is aligned
- Missing check mark on bite page after bite alignment
- TRIOS 'Updating Preview' (right after scan stop) may crash in rare cases
- Background color turns black, if letter 'b' is pressed, while adding an annotation on Analyze page
- Performance test doesn't generate any output (shows blank Computer performance report window)
- Erroneous message about too old NVIDIA card on TRIOS MOVE® (orange triangle at AI setting on Settings page)
- On the Analyze page, the Direction button causes the 3D model to freeze

☑ 3Shape TRIOS 19.2.1 (June '19)

- Error when adding Patient Specific Motion to a post-processed case
- Case cannot be post-processed if Zoom is used with TRIOS Standard/Color
- Error in Patient Specific Motion playback
- Error on bite page if starting the scanner too fast

3Shape TRIOS 19.2.0

June 19

Scanning features



Patient Specific Motion*

Patient Specific Motion allows you to capture the patient's own jaw movement with your 3Shape TRIOS® Scanner. The recording of the patient's jaw movement can be used to secure the best possible fit when designing and producing restorations in-house. The recording can also be sent to lab ensuring you will receive a restoration that fits with little or no adjustment.

On the Bite page, select "Add Motion scan" to add the Patient Specific Motion scan step to your case. Keep the scanner still while you record the movements.

Patient Specific Motion is available within one quadrant.



User interface improvements

The user interface on the scan pages has been simplified and improved to create a better overview of your tools and features.

You will now find all your usual tools in the menu on the left side of the screen.

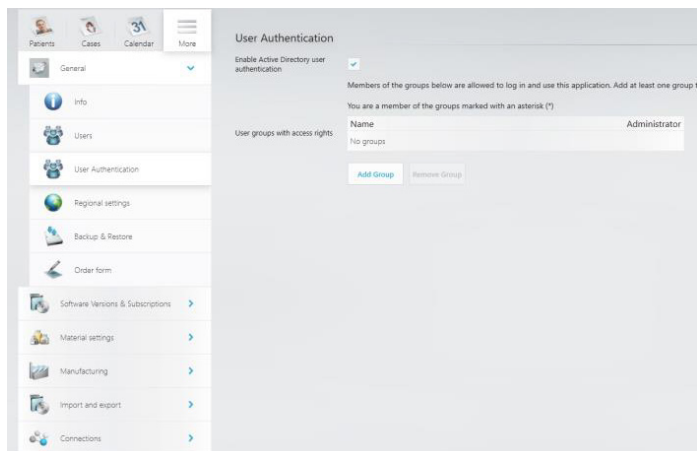
Support for TRIOS 4 Scanner

TRIOS 19.2 is the mandatory software version for all TRIOS 4 scanners.

* Not available for TRIOS 3 Basic or TRIOS scanners not using Insane Mode.

Dental Desktop - Platform features and improvements

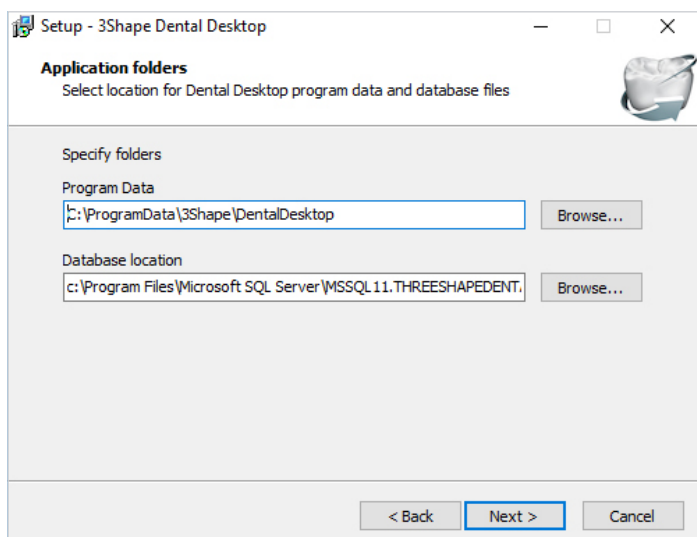
Scanning features



Active directory integration

It is now possible to use Microsoft Active Directory for user authentication when logging in to Dental Desktop.

When configured and enabled this allows users to log in to Dental Desktop with their Windows user automatically, skipping the normal Dental Desktop login screen. Instead, you are taken straight to your preferred start page - ready to work.

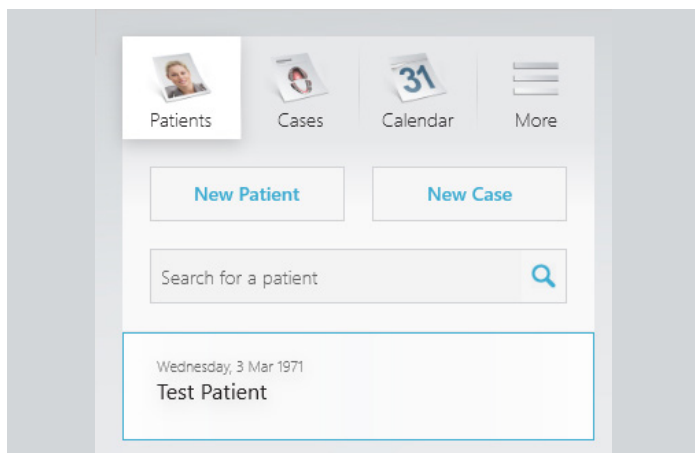


Improved Dental Desktop installation

When installing Dental Desktop you can now specify where you want both your Program Data and Database to be stored.

This allows you to install the application on a specific drive, which is common practice when installing on e.g. dedicated Windows servers.

You will find the settings for this by checking the "Show advanced setup options" during installation and then specify the details according to your preference.



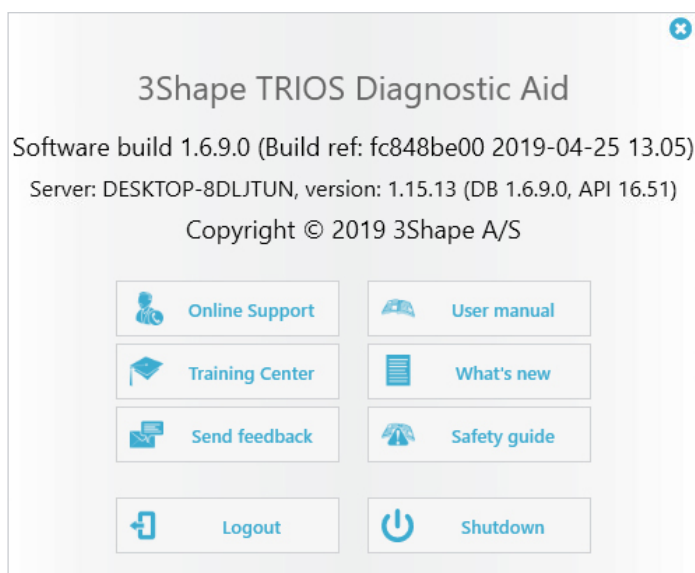
Improved touch and click feedback

The feedback you get when clicking an element has been improved, to make it even more obvious if e.g. an item was selected or not. You will now see a discrete blue outline just as you click or press elements on the screen. The blue outline, which quickly fades away after a press/click, provides feedback to you if the click or touch was registered, and therefore should expect action to happen as a result of your click/press.



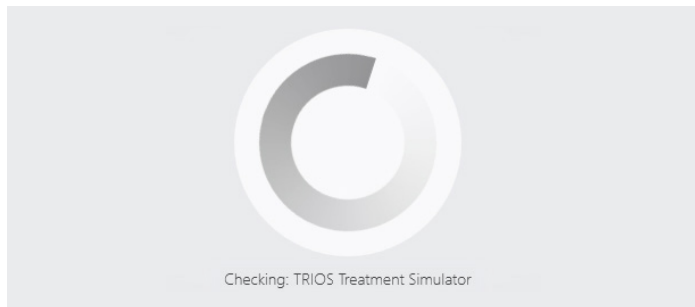
Tooth outline selection on Order Form

To make it easy for the user to see if a tooth is selected on the 3D model on the Order Form, we have changed the selection indication to a thin blue outline. The outline wraps around the selected tooth allowing you to see any underlying selected indication.



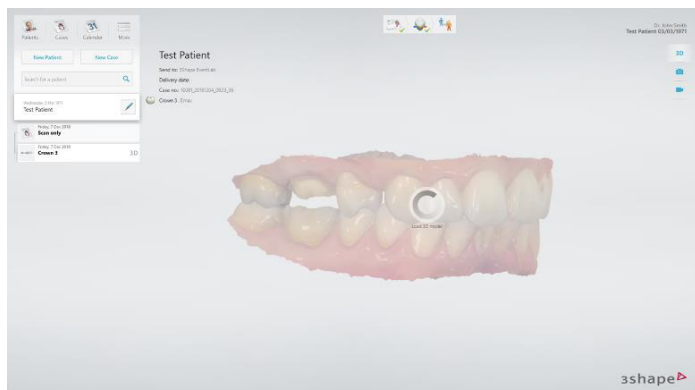
Shutdown and Logout anywhere

Preparing the TRIOS scanner for a colleague's use when you are done makes a big difference in a busy everyday clinical environment. Therefore we have made it easy and accessible to both Logout and Shutdown from anywhere in the application. Simply press the 3Shape logo in the lower right corner and choose to Logout or Shutdown directly from the appearing dialogue.



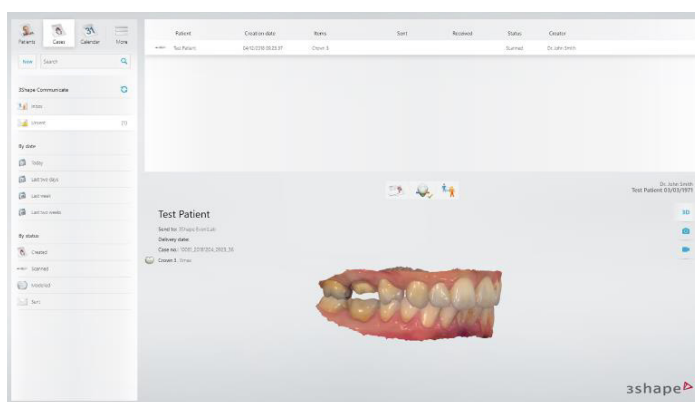
Improved Login experience

When logging into your application you will get continuous feedback on the process and status. The stepwise progress information will give you an indication of how far you are in the login process and notify you if the login process is taking longer than expected.



Improved case preview experience

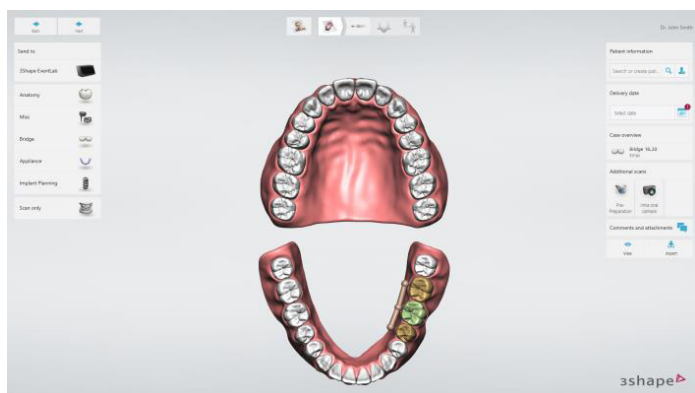
When browsing between cases the scan preview experience has been improved in the Patient Manager, Case Manager, and Calendar. When previewing different cases, a ghosted scan preview and a clear loading indicator in the center of the view will be visible. When done loading the ghosted preview will become real 3D scans, which can now be rotated and moved.



Case Manager improvements

The Case Manager had a general “face lift” making it easier to work with.

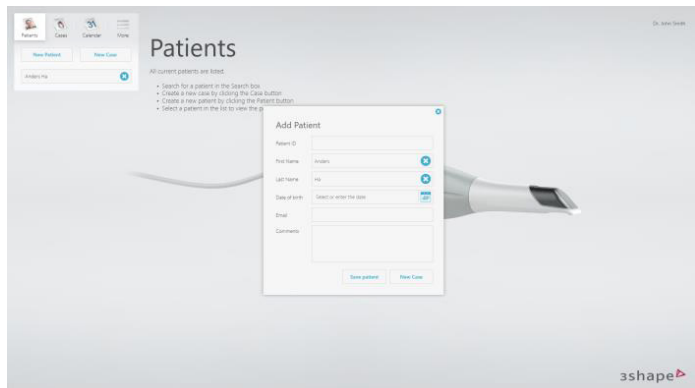
The 3Shape Communicate® inbox has been moved to the top, to make sure you don’t miss your latest cases and updates in the Inbox. Additionally, an ‘Unsent’ filter has been added below the inbox. At the end of a long working day, this makes it easy for you to identify if you have unsent cases, which should be sent off before leaving the practice.



Improved Bridge Selection Visualization

In the order form, we have improved the visualization of a bridge by showing a clearly visible connector on the palatal/lingual side of the teeth on the 3D model.

This new visualization makes it easy to see that a bridge restoration has been specified and which teeth it includes.



Creating new patients after searching

It is now easier and faster to create new patients after searching. If a search for a specific patient is unsuccessful it is now easy to create a new patient. Click/press the “New Patient” button. The “Add Patient” dialog opens and the patient name you just searched for is now already present. With this, you avoid having to re-enter the patient name, and you can easily fill in the remaining patient details and then move on to your next step.

New Case status icons across all managers

Case status icons have been updated across all managers. They now clearly (and using the same icons) reflect the current state of the case: Created, Scanned, Modelled, Sent, Approved & Rejected.

Improved touch responsiveness

The responsiveness of the user interface when working on touch screens (MOVE, MOVE+, Cart, Laptop w. touch) has been improved. Your touch input is now being captured more accurately, which will help avoid situations where a press or swipe was not correctly registered or completely missed. This makes it easier to quickly and efficiently navigate between pages, scroll cases and content in lists, react on messages in dialog boxes just with a touch of your finger.

Increased text size for improved readability

Other changes

Playback function temporarily not available

In this release, the Playback feature will no longer be available. We are working hard on re-introducing the feature in an improved state in later releases.

Resolved Issues

☑ 3Shape TRIOS® 19.1.3 (May '19)

- Error in generating Playback models
- 3D surface is not visible while the area is being scanned

☑ 3Shape TRIOS 19.1.1 (March '19)

- TRIOS MOVE® update does not work in some cases

☑ 3Shape TRIOS 18.2.2 (Jan '19)

- Improved performance of AI Scanning functionality on systems without Nvidia graphics card
- AI Scan turns On by itself when scanned with Trim feature open and AI Scan is turned Off
- Updating the graphics card driver on Carts with unknown driver version

☑ 3Shape TRIOS 19.1.2 (April '19)

- In Scan settings, slider for volume and zoom not working on touch
- Failed installation when 3Shape TRIOS® is installed simultaneously with TRIOS Patient Monitoring
- Error message VCHideTaskbar has stopped working on TRIOS 3 Carts

☑ 3Shape TRIOS 19.1.0 (March '19)

- Improved handling of the Nvidia card driver updates on TRIOS Carts
- Application freezes when proceeding to next scan step if trim tool is open and some area was trimmed
- Slow scanning performance observed on some PC's
- Stability improvements

☑ 3Shape TRIOS 18.2.1 (Nov '18)

- For systems without NVIDIA graphics card, AI Scan default setting is set to disabled
- Sound for successful bite auto alignment is not played when bite is aligned

Scanning features



AI Scan

AI Scan automatically removes excess soft tissue making it much easier to scan.

This new feature distinguishes the teeth and surrounding gingival from not wanted surfaces like tongue, cheek and foreign objects like fingers and mirrors etc. and remove them automatically while scanning.

This functionality can be easily enabled/disabled by the user in a scan session by toggling on/off in the tools menu on the scan page.

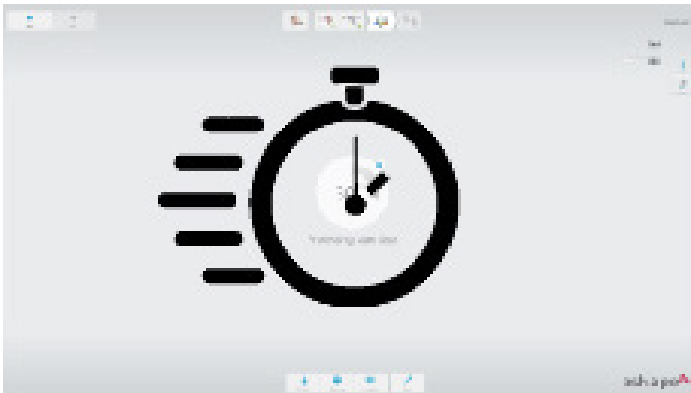
This feature is only enabled for 3Shape TRIOS® scanners using Insane Mode.

It is recommended to use a PC with NVIDIA graphic card for best performance.

Rapid Post Processing

Post processing speed has been significantly improved making post processing a scan faster by approximately 50% compared to the previous release.

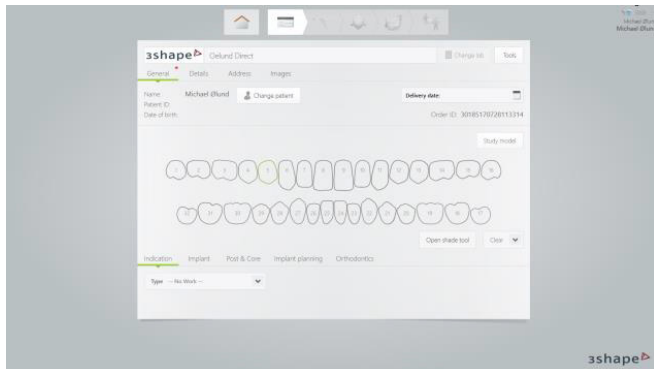
This improvement will make your overall scan workflow much faster.



3Shape TRIOS on Dental Desktop 18.1.2

Jun 18

The first thing you will notice when upgrading to 3Shape TRIOS® on Dental Desktop is a completely redesigned intuitive user interface.



For a general introduction to the new user interface please click on the video below to learn more.

3Shape Academy
Introduction to 3Shape TRIOS on Dental Desktop

Duration: 1:00

General introduction

The main navigation of Dental Desktop is structured around six key components:



1. Manager: Consist of a Patients page which displays a list of patients, a Cases page which displays a list of cases, a Calendar page shows cases in a calendar and a More page contains a selection of Settings, Help and Close options.

2. Workflow bar: Shown when a case is selected, its appearance depends on the case specifications.

3. Tool bar: Lets you choose various viewing options for the selected case.

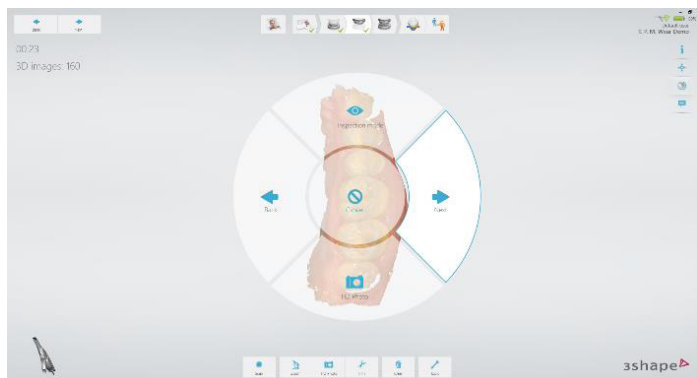
4. Search box: Lets you search for patients.

5. List view: If a patient is selected, a full list of cases created is shown.

6. 3D View: Shows the scan for the selected case.

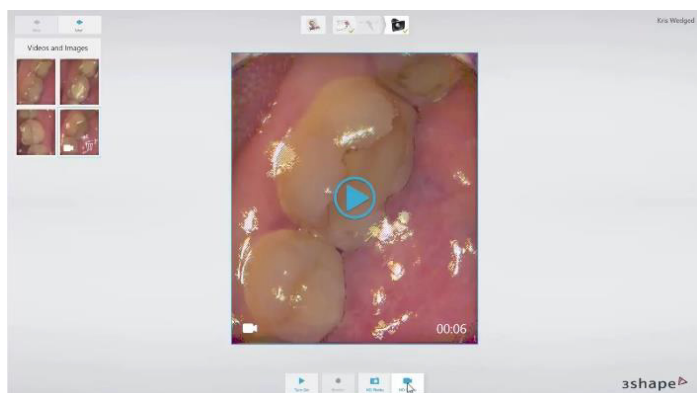
Highlight of the new features

Scanning features



Wand Navigation Wheel

Use the 3Shape TRIOS® scanner to navigate between scan pages, go to inspection mode or switch to HD photo. Press and hold on the TRIOS scanner trigger button to bring up the Wand Navigation Wheel, and move the scanner in the direction you want. Release the trigger button to select your option on the Wand Navigation Wheel.



Integrated HD intraoral camera

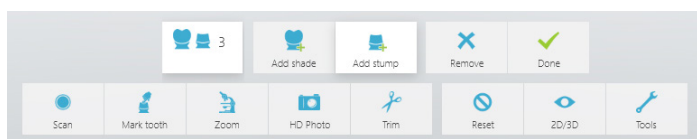
Your TRIOS scanner now has an integrated HD intraoral camera. Take HD photos or video to easily communicate treatment plans with your patient. Add the integrated HD intraoral camera to your workflow by selecting the icon on the order form.



Improved colors

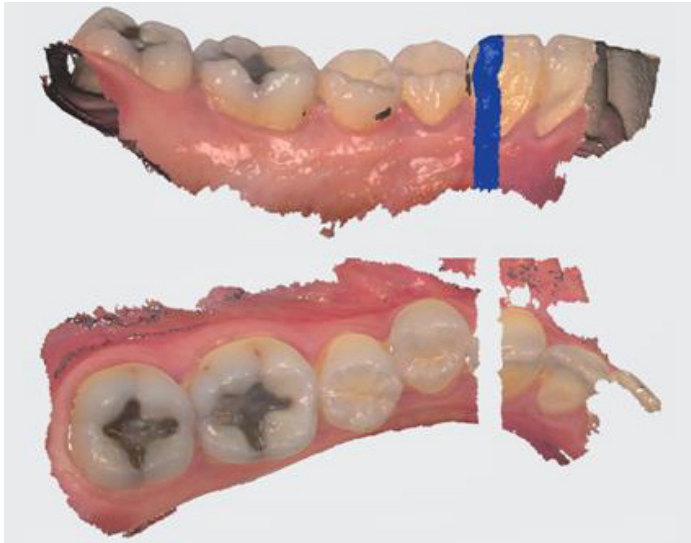
The colors of the TRIOS scans are now even more natural. Furthermore the occasional darker spots, resulting from too few 3D images, have been reduced.

- Even more natural colors
- Less greyness, particularly at incisal edges
- Fewer dark spots



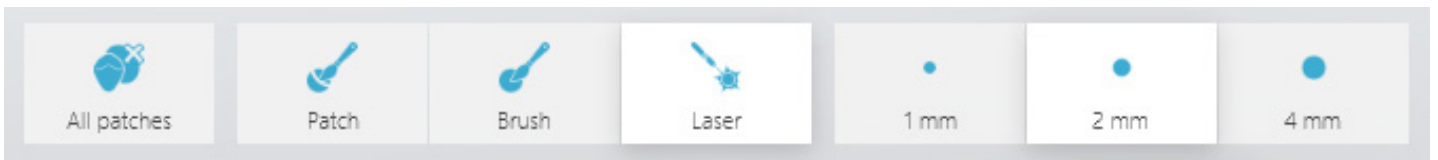
Stump Shade Measurement

Ivoclar IPS stump shades are now supported. Stump Shade Measurement is an additional tool to capturing the base shade of a tooth to aid the aesthetic work done by the lab.



Trim tool improvements

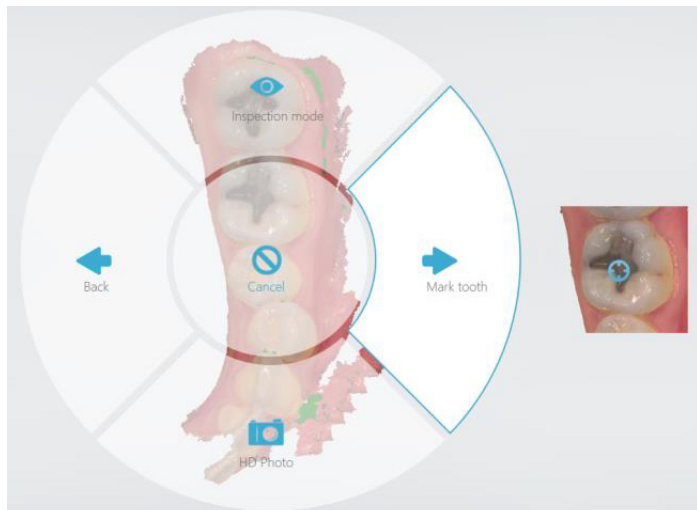
A new version of the trim tool, named Laser is now available. It enables you to cut all the way through the model. This is a good tool to use to trim soft tissue with overlapping surfaces, or to cut a section off that needs rescanning. Your last used trimming tool, e.g. Laser, will be pre-selected the next time you want to trim.



Smeared colors fix

When scans have complex edges or holes then the colors can be smeared after post processing. This has been improved significantly. Below are two examples of how the smearing has been resolved: a complex bracket case and an almost floating denture.





Mark tooth using the scanner

While scanning it is now possible to set a tooth mark by performing a long-press and release of the scanner button. The mark will be set at the center of the scan box area, when you release the button. Additionally it is also possible to mark the tooth via the Navigation Wheel, which will enable a scanner cursor to point where to place the marking. The Navigation Wheel is accessed with long press after scanning.



Support for multiple scans of both jaws

Historically it was possible to do multiple scans of one jaw only, e.g. pre-prep and prep of lower, and one antagonist scan. This restriction is now removed, making it possible to scan e.g. lower and upper jaw with pre-prep and prep.

	Anteriors	Posteriors
Implant cut out diameter	6 mm	6 mm
P&C cut out diameter	4 mm	6 mm
Pre-prep cut out diameter	6 mm	12 mm

Anterior and posterior different cut-out diameters

When doing a pre-prep, implant or post & core case, an automatic cut-out is performed for an easier workflow. You can now have different cut-out sizes for anterior and posterior teeth.

Platform Features

Scanning features



Export scans to the open STL format

To provide you with more open options, it is now possible to export scans in the open STL file format from any 3Shape TRIOS® on Dental Desktop. It is simply done by right clicking (long press on a touch screen) on a specific case and selecting Export > Scans in the right click menu. This will open up the Windows file explorer, to allow you to specify an export location and file type. In the Save as type drop down you can now choose between DCM and STL.

Client-server functionality

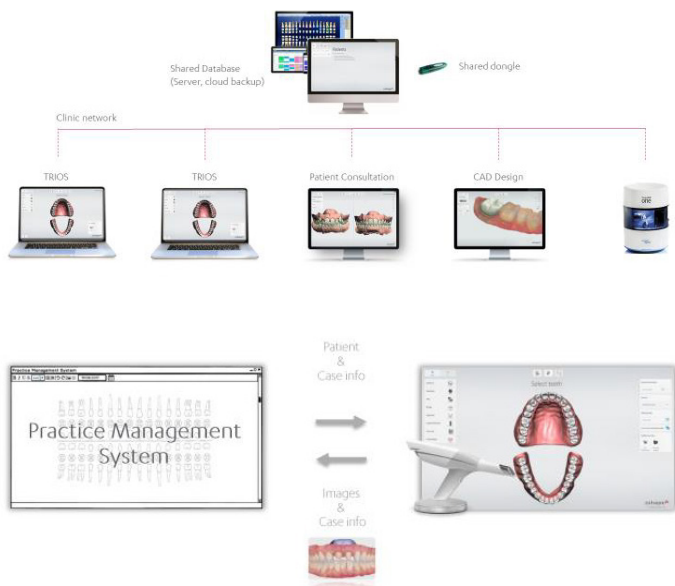
The client-server functionality allows you to work on multiple PC's while sharing the same case database and subscription dongle. It allows for easy sharing of one TRIOS scanner across multiple operatories. Data will be stored on a central server and will be easily accessible from multiple PC's.

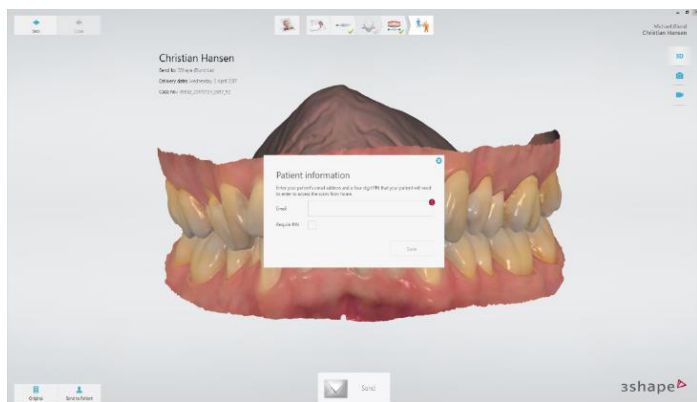
Practice Management System integration

Dental Desktop have a complete open data integration option for Practice Management System (PMS) providers.

This functionality allows patient, cases and images to be shared between the PMS and TRIOS.

With the open integration, PMS providers can start enabling the integration to Dental Desktop. Please contact your PMS provider or reseller to learn more.

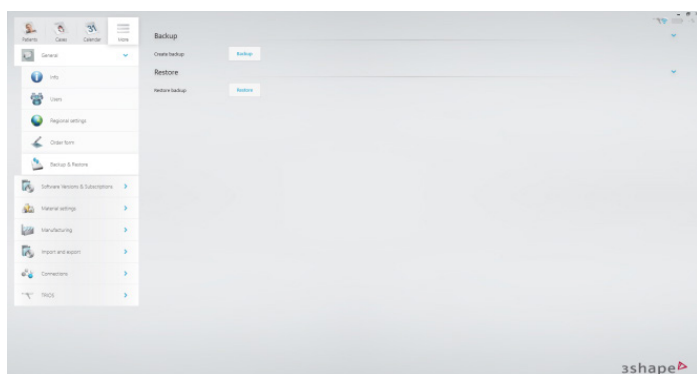




Send scans to patient

It is now possible to easily engage and interact with your patient by sharing their 3Shape TRIOS® scans.

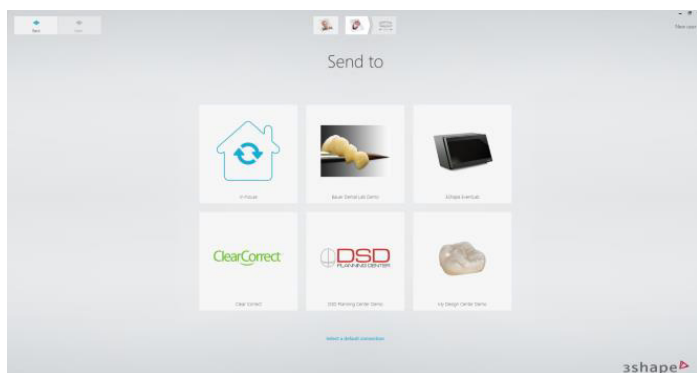
On the send page, select the Send to Patient button, and type in the patient's email and when the case is sent to the lab it will also be sent to the patient. The patient will receive an email with instructions on how to access the TRIOS scans through the my3Shape mobile app which is available on iPhone and Android.



Easy backup

Dental Desktop has an easy case backup functionality which allows you to backup and store your data safely and easily.

You will find the Backup & Restore functionality under General on the Settings page.



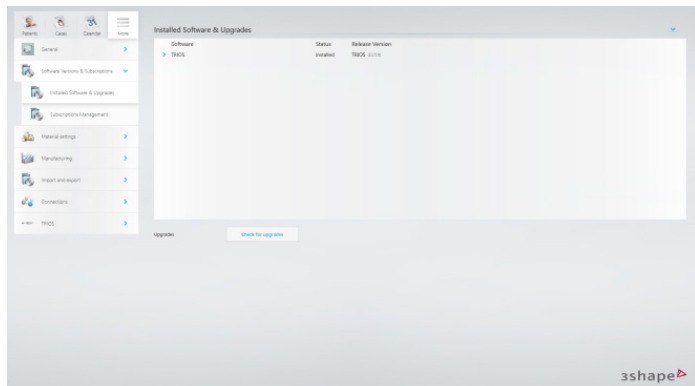
Improved Send to page

The redesigned Send to page supports all your digital workflows. Select between thousands of labs for the widest range of indications, materials and expertise, or send to treatment providers and design services.



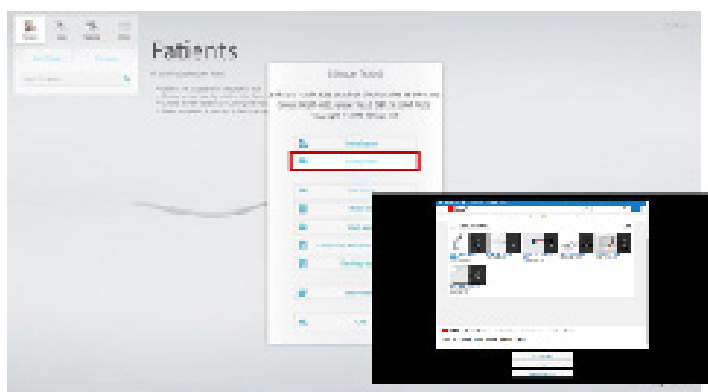
Improved Order Form layout

To support the natural flow of first selecting your desired "Send to" connection and then specifying the indications of the actual order, the selected "Send to" connection has been moved, so it is now grouped with the indications of the specific connection. Tooth numbers are now visualized on the order form improving the overview when setting up a case.



New software version & subscription settings page

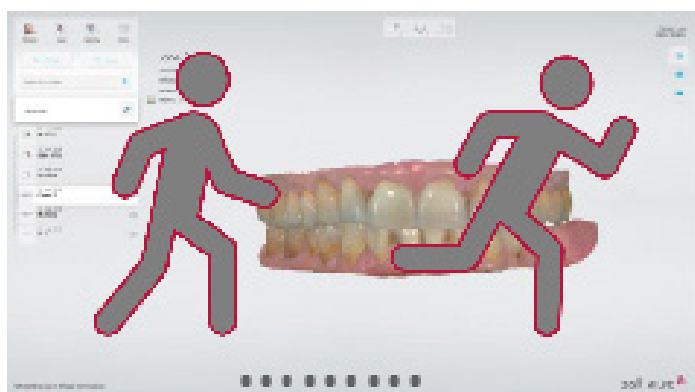
On the settings page we have introduced a new tab called Software Versions & Subscriptions. Under Installed Software & Upgrades you have the overview of your currently installed software products. By expanding each software product section, you can see full details about the included modules of the software product. It is now also from this page, where you can check for and install new software upgrades. Under Subscriptions Management you have the full overview of the licenses on your dongle and their expiry dates.



Training center in the help menu

It is now possible to get help, tips and tricks directly from within the software. All it requires is that you are online and connected to the internet.

Product training videos can be found by going to More > Help and clicking the Training Center button. This will take you to a YouTube playlist containing several TRIOS training videos.



Significant performance improvements making navigating Dental Desktop faster

Saving changes made in the settings, allowing you to return to your work quickly has been made significantly faster. For most changes saving is now close to instant.

When moving from the TRIOS scan page to the Patient Manager, Calendar page or Case Manager, the transition time has been cut in half.

Bug fixes

- Missing implant libraries added
- And much more...

Videos and manuals

Training videos for all key workflows

 **YouTube** [Youtube.com/c/3ShapeTrainingVideos](https://www.youtube.com/c/3ShapeTrainingVideos)



User manual

The integrated user manual for 3Shape TRIOS® on Dental Desktop are accessible directly through the software. Simply click on the 3Shape logo and select User manual in the menu.