

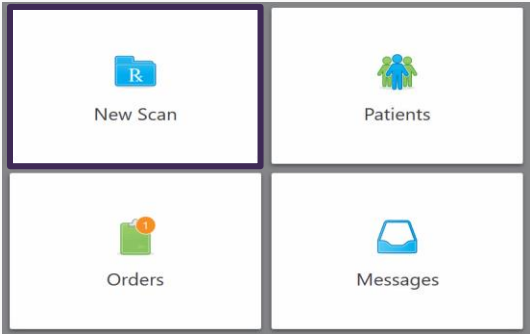
All-on-X workflow with iTero Lumina™ scanner

iTero Lumina intraoral scanner's Multi-Direct Capture™ technology, with its wider field of view¹, large capture distance² and multi-angle capture³, is designed to assist in capturing challenging areas such as multiple scan bodies, soft tissue landmarks, and full-arch structures.

Follow the steps below to complete a workflow.

01 Select New Scan

Tap **New Scan** to start.



02 Complete the Rx

- 1 Fill in the patient's name, date of birth, and chart number.

A screenshot of the 'Patient' information form. The form is titled 'Patient:' and has a 'Clear' button in the top right corner. It contains several input fields: 'First Name:' with the text 'Test', 'Last Name:' with the text 'Test', 'Date of Birth:', 'Gender:' with radio buttons for 'Male' and 'Female' (where 'Female' is selected), and 'Chart Number:'. There are also icons for editing and clearing the form.

- 2 In the procedure field drop-down, select **Fixed Restorative**. Then, select the partnered lab or MyiTero.com account for fabrication. The due date is optional, however specify if you are sending it directly to the lab.

A screenshot of the 'Order' form. The form is titled 'Order:' and contains several input fields: 'Procedure' with a dropdown menu showing 'Fixed Restorative', 'Type' with a dropdown menu, 'Due Date:' with a calendar icon, and 'Send to' with a dropdown menu.

1.) The iTero Lumina™ intraoral scanner offers 3x larger field of view designed for more surface area capture enabling faster scanning. *Compared to the field of view of the iTero Element™ 5D imaging system, when the iTero Lumina™ intraoral scanner's scanning distance is 12 mm.
2.) The iTero Lumina™ intraoral scanner boasts a 25 mm capture distance.
3.) The iTero Lumina™ intraoral scanner offers simultaneous multi-angle capture designed for less maneuvering.
Data on file at Align Technology, as of November 15, 2023.

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- 3 Toggle the pre-treatment scan if you would like to scan the emergence profile or the provisional restoration before scanning the scan bodies.

Scan Options:

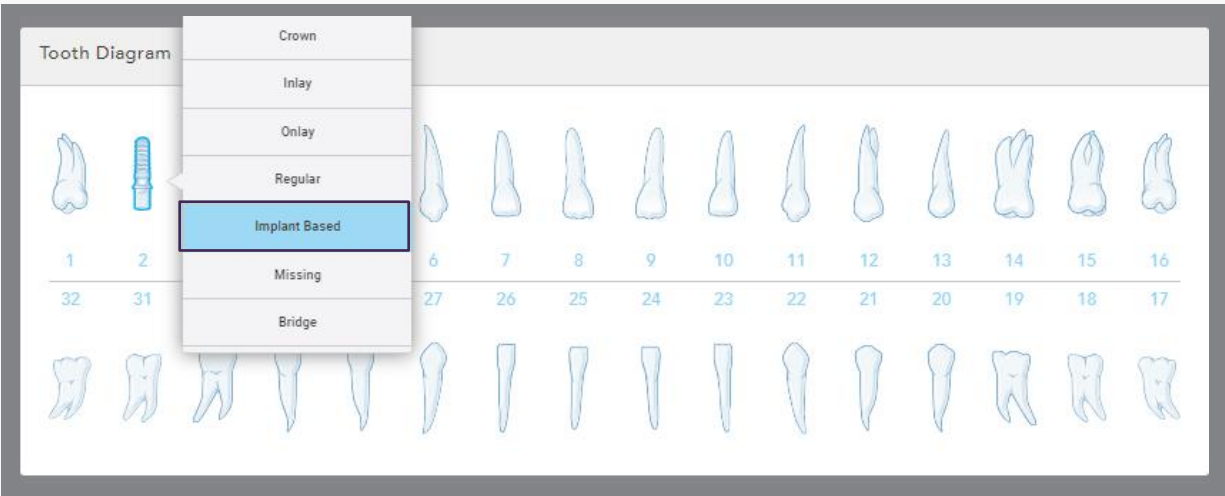
NIRI Capture: ☐

New Sleeve Attached: ☐

Pre-Treatment Scan: ☐

Multi-Bite: ☐

- 4 Tap the relevant tooth on the tooth diagram and select **Implant Based** from the drop-down menu.



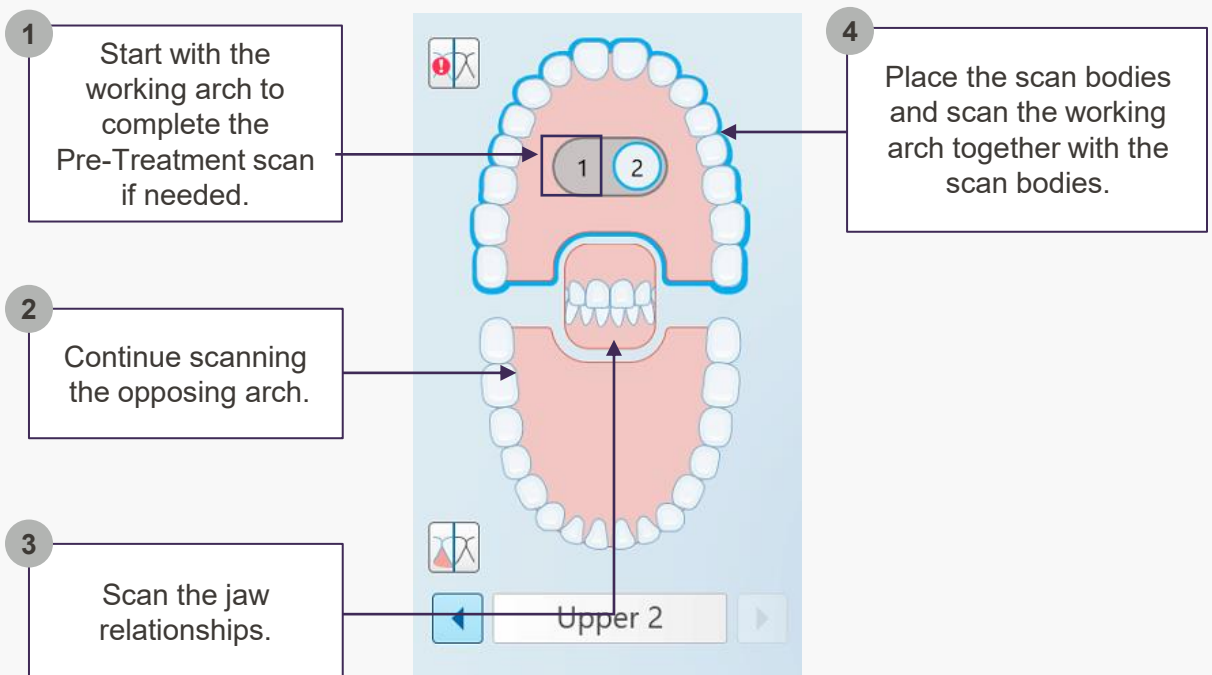
- 5 Select all the relevant information about the implant, including scan body manufacturer, restoration type, specification and additional information, if needed.

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03 Scan mode

Tap the wand icon  to move to the scan mode.

Scan the patient following the steps below. Tap each segment/jaw to move between the stages.



Notes:

- If adjacent scan bodies overlap and limit visibility, use the **Prep Editing** tool to adjust those areas and rescan.
- If any additional scans are needed to complete the implant case, use the **Duplicate scan** feature, rescan any segments and send.

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Scanning guidance

All-on-X treatments vary on the level of complexity. Depending on the level of complexity, the scanning may require specific strategies.

Low and moderate complexity cases:

- Stable ridge with moderate or minimal resorption.
- Adequate inter-arch spacing.
- Easy access and tissue control.

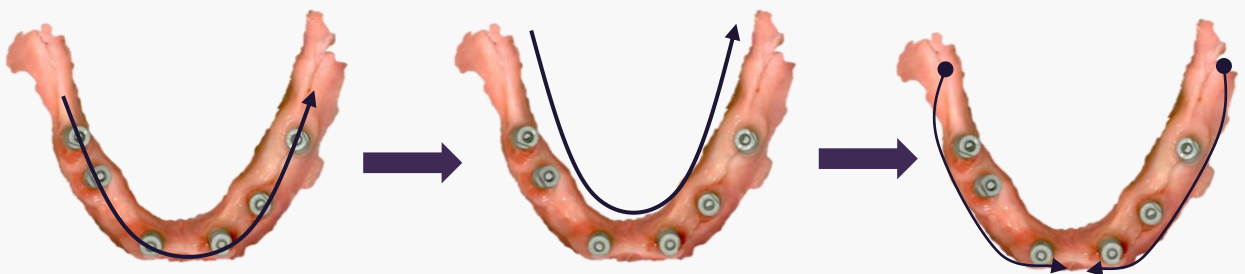
High complexity cases:

- Advanced ridge resorption.
- Highly mobile or dominant tongue.
- Challenging access to the lingual or floor of the mouth.

Scanning recommendations:

Low and moderate complexity cases:

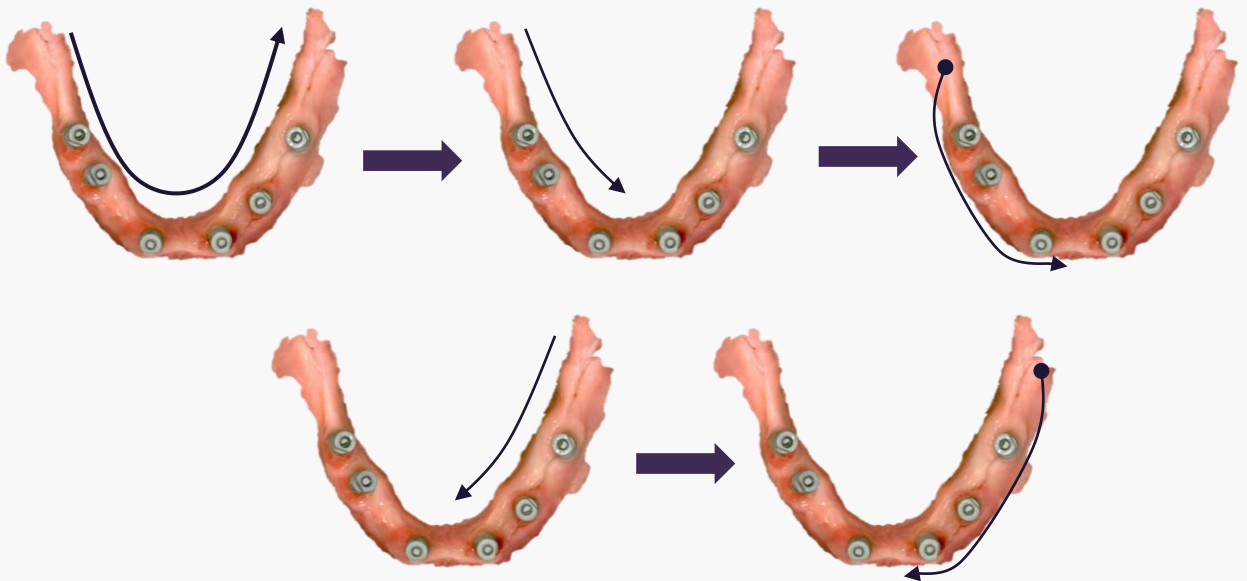
- Start from the occlusal plane, hovering to ensure **at least two scan bodies** are simultaneously building in the model.
- Continue scanning sequentially across the arch to establish the primary framework of the model.
- Once the structural connection between scan bodies is achieved, proceed to the lingual and the buccal sides to fill in any missing data.
- Scan the anatomy in one continuous segment, when possible, as excessive segmentation may reduce accuracy.



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High complexity cases:

- Start from the **occlusal plane**, hovering to ensure at least two scan bodies are simultaneously building in the model.
- Continue scanning sequentially across the arch to establish the **primary framework** of the model.
- To capture enough soft tissue for the case use the retraction method of choice.
- Start on one side of the mouth to stabilize the soft tissue and retract the tongue.
- Start scanning the **lingual surface** including the floor of the mouth, then continuing to the **buccal surface**.
- Once approximately half of the arch (or slightly more) is captured, stop the scan.
- Reposition retraction method of choice on the opposite side, ensuring proper tissue control.
- Resume scanning from the last reference point on the lingual surface and continue scanning to complete the buccal.
- Fill in any missing data in critical areas for the case.
- Always validate coverage and surface continuity before finalizing.



Note:

Consider drying intervals for improved capture while scanning.

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Jaw relationships:

- Use provisionals, an existing denture, or another appliance to establish the bite.
- If no suitable appliance is available, use a putty matrix as an occlusal jig. The putty should be shaped intraorally to establish the intended vertical dimension and maxillomandibular relationship. The scan should be performed following the same occlusal registration guidelines.
- Ensure comprehensive capture of all relevant soft-tissue landmarks, including the edentulous ridges, vestibular areas, and supporting mucosa, to enable accurate occlusal registration and reliable prosthetic fit.
- Clinical reference markings may be added directly to the putty matrix (e.g., midline, smile line, lip support reference) to preserve esthetic and functional orientation.
- When such markings are used, the putty matrix can be scanned extraorally as an additional scan under **Appliance Scan**, providing clear visualization of the reference lines while maintaining alignment with the intraoral scans.

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Use the **Prep editor** to adjust the prep, only if needed, by following these steps:

- 1 Tap the **Prep editor** icon  above the viewfinder.
- 2 Tap **Select**  and circle the area to be rescanned.
- 3 Rescan the area and make sure all the surfaces and the margin line have been scanned correctly. For multi preps, you can rescan prep by prep or select several preps and scan them simultaneously.

04 View mode

Tap the **View** icon  in the upper part of the screen to move to the view mode.

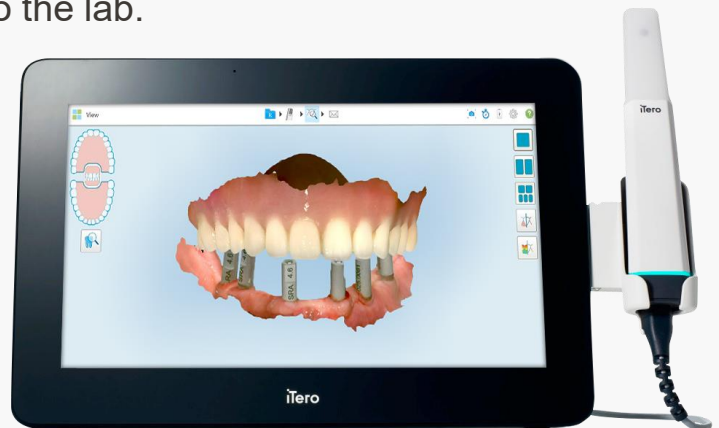


Check the occlusal relationship with iTero™ Occlusogram to make sure the patient bites down all the way.

05 Send mode



Send the completed scan to the lab.



Not all products and features are available in all markets. Availability is subject to regulatory approval.
For dental professionals only.



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