



ImageWorks

Generations of Imaging

**Panoura X-era
CBCT Operation Training
Quick Guide**

Summary

These instructions serve as supplemental guidance on the Panoura X-era. They are not meant to replace the installation manual, but rather serve to complement it.

If there are any questions, please do not hesitate to contact us

914-592-6100



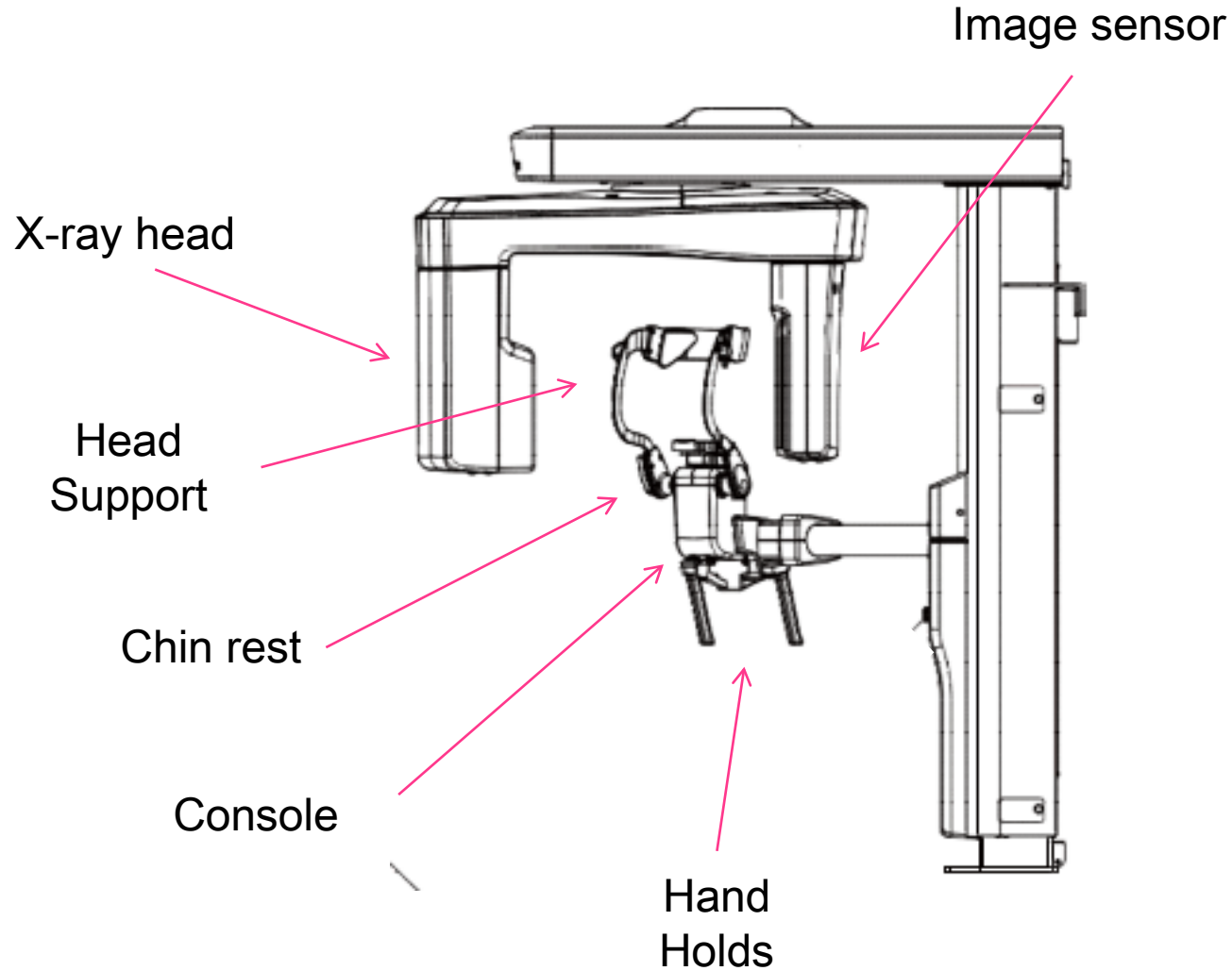
ImageWorks

Generations of Imaging

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1. Unit Overview



1. Unit Overview

Console

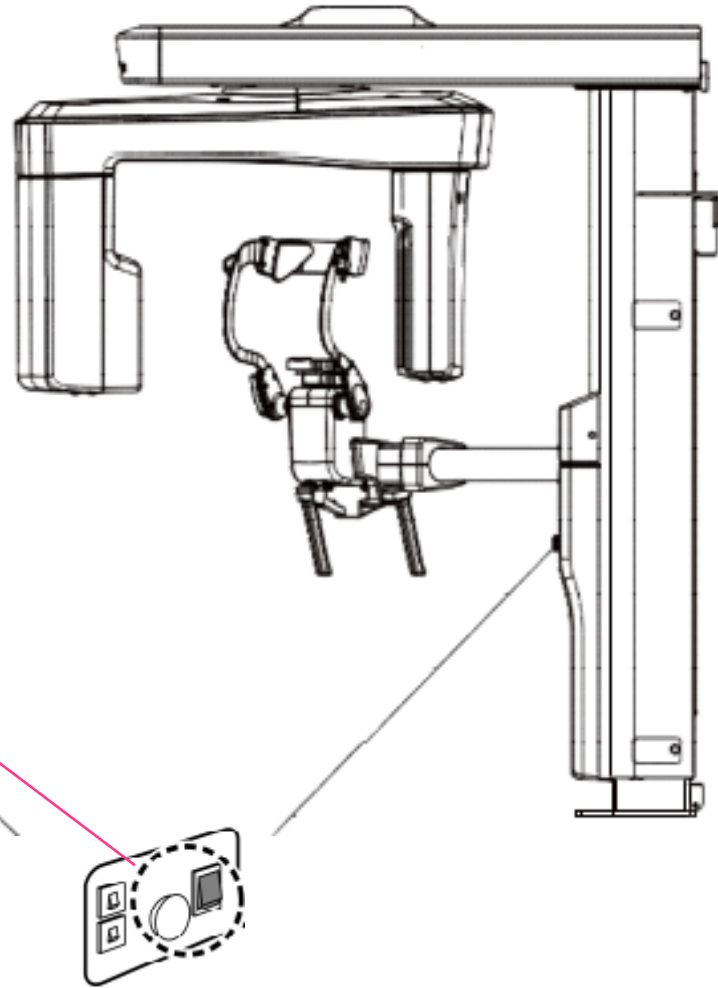
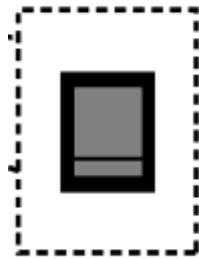


Handswitch



2. Power Switch

Power Switch



3. Pan - Prep Unit for Patient

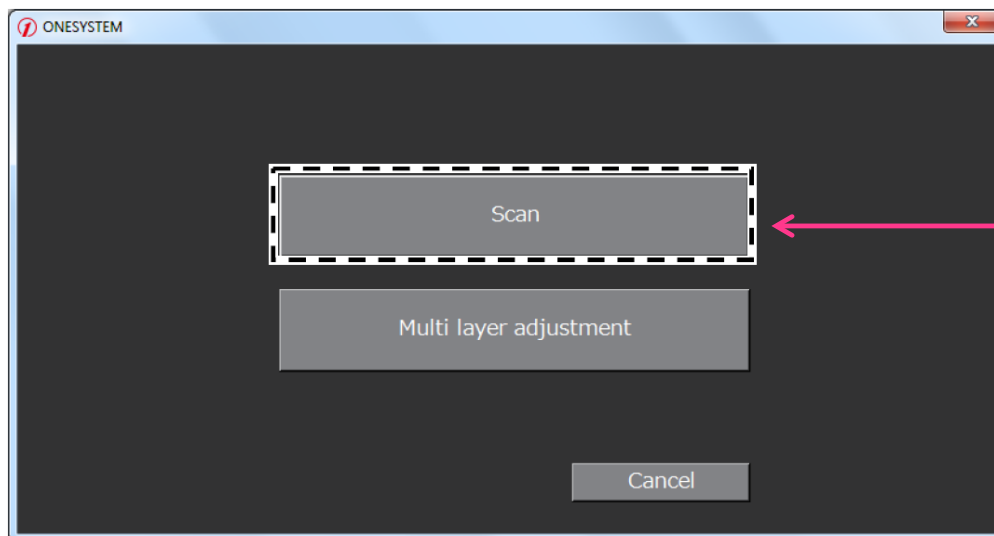
Before bringing patient to machine...

Confirm that unit is in Pan mode and sensor is in pan position.

In imaging software, make sure you are ready to acquire a panoramic x-ray with the correct device selected.

Initiate image acquisition process in imaging software.

Dialogue box appears.



Click on the “Scan” button to capture a new X-Ray scan.

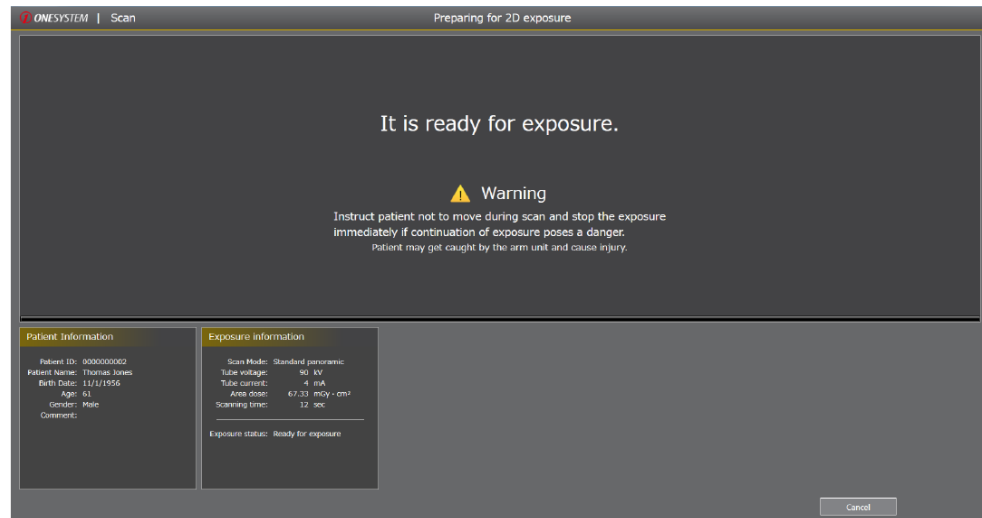
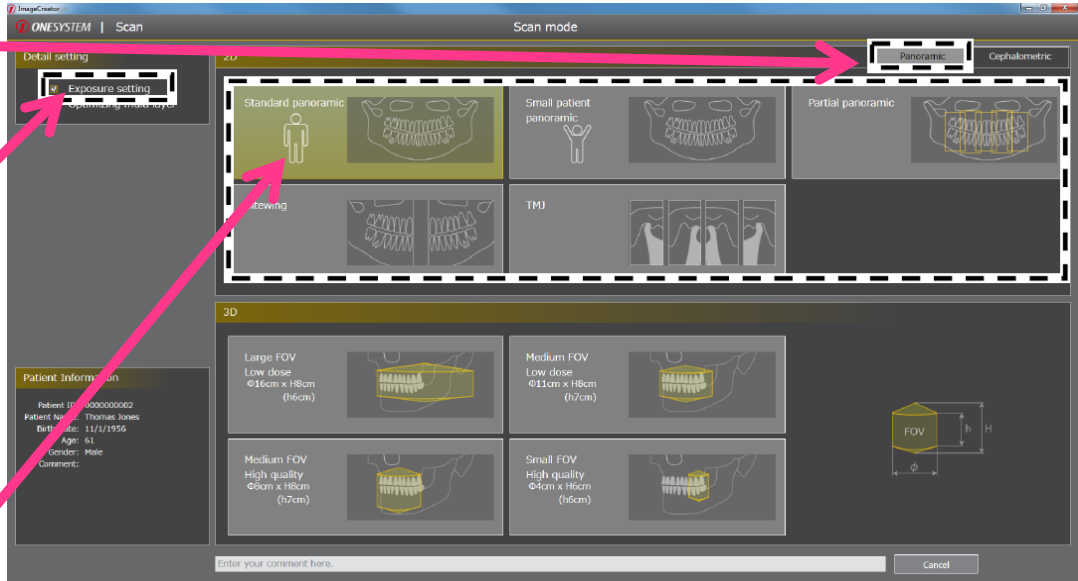
3. Pan - Prep Unit for Patient

Click “Panoramic” Button

Confirm “Exposure Setting is NOT checked (unless tailored parameter changes are desired)

Click “ Standard Panoramic” Button

Ready for Exposure Screen is displayed

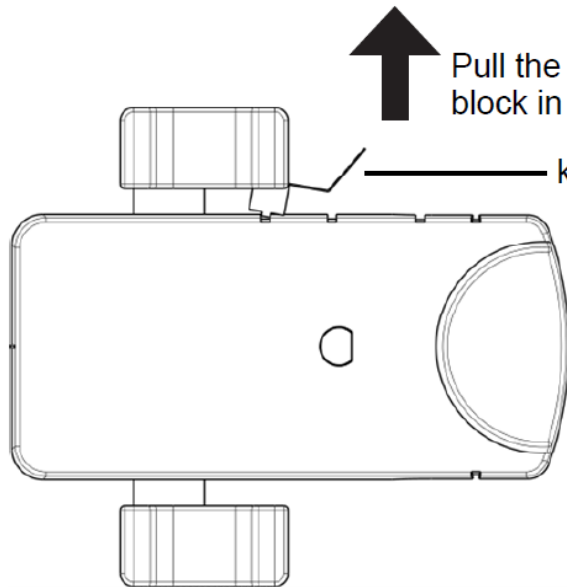


3. Pan - Prep Unit for Patient

Press "Reset" Button on the console

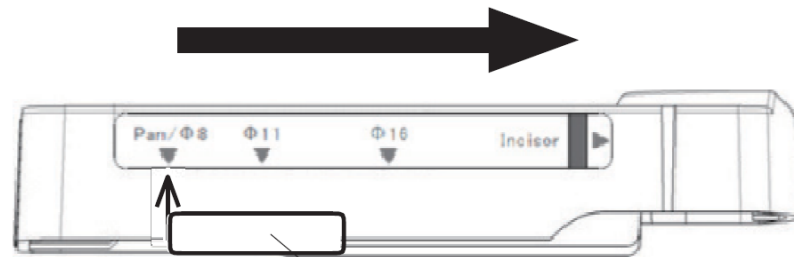


Move the chinrest to the panoramic position:



Pull the knob of the chin rest block in the direction of an arrow

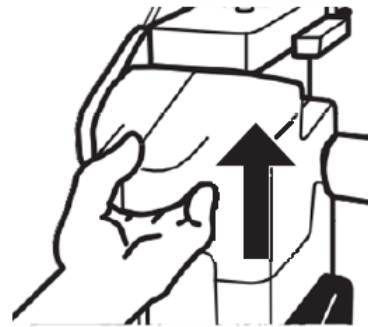
Slide the chin rest block so that the mark "Pan/Φ8 ▼" align with the edge of the push knob.



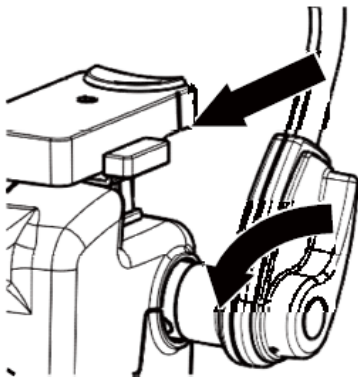
Push knob (stationary side)

3. Pan - Prep Unit for Patient

Move the chinrest to the highest position using button on front of chinrest



Chinrest should be set to “Pan” marker.



Loosen lever for head support, and rotate head support toward patient anterior

Move head rest to an approximate position of patient height by pressing Up/Down switch on the console.

4. Pan - Patient Positioning

Have the patient remove jewelry, eyeglasses, etc and place the apron on the patient.

Have patient step into machine and rest chin on chinrest.

Recommend patient cross arms and hold stabilizing bars. This drops the shoulders.

Bite bitestick with upper and lower teeth in grooves (place sleeve over bitestick).

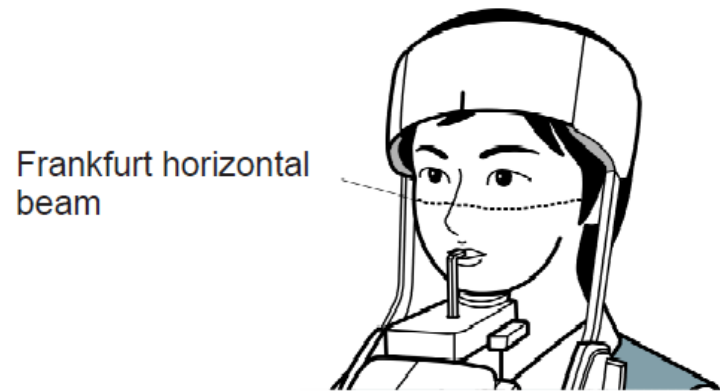
Align the patient's midsagittal line with the median marks on the forehead support and chinrest

Press Beam button. Laser lights will come on.



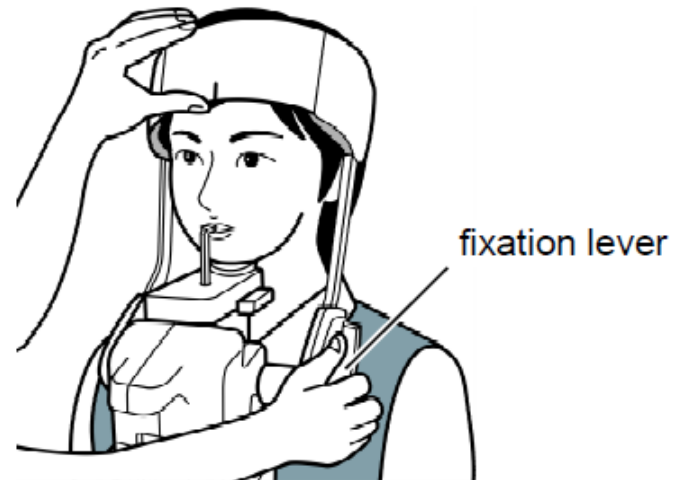
4. Pan - Patient Positioning

Elevate the movable column portion so that the Frankfurt horizontal beam and the patient's Frankfurt plane become parallel.



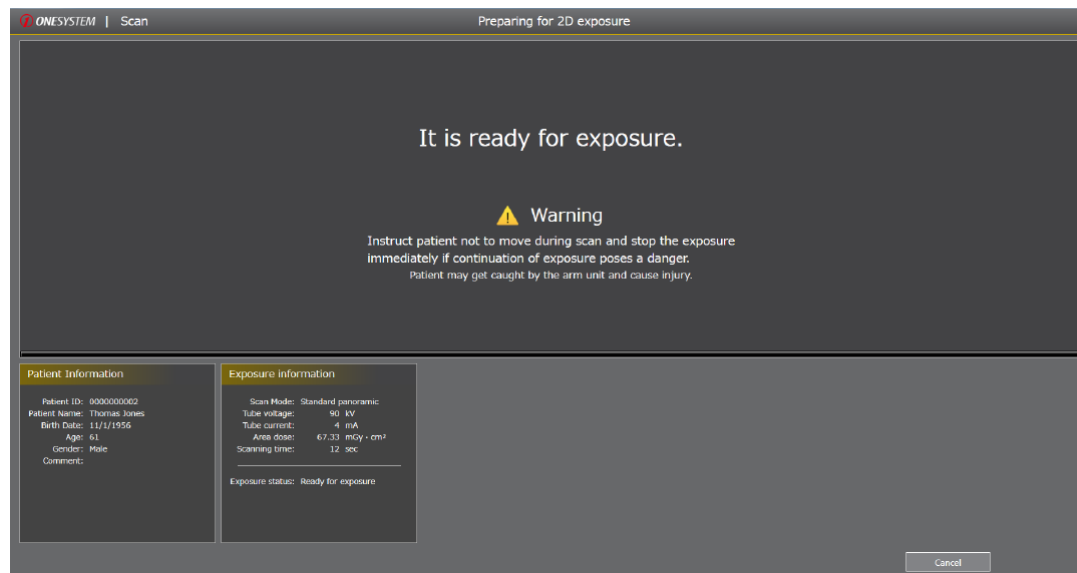
Instruct the patient to lean forward slightly

Lock the fixation lever at the position where the patient's forehead fits



5. Pan - Initiate Scan

Confirm ready for exposure screen still appears.



Press Reset button on unit.

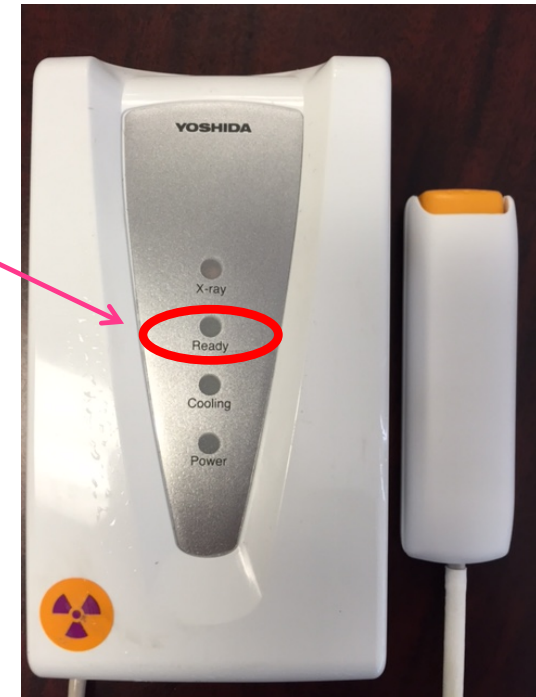
If possible the operator should stand where they can observe both the patient in the machine and the computer screen.

5. Pan - Initiate Scan

Confirm Ready LED is solid green
(not blinking)

Instruct the patient to swallow, place
the tongue on the roof of the mouth,
and hold still.

Press and hold switch during entirety
of scan.



Note:

If switch is released before exposure is complete, an error will be displayed.
These error codes can be cleared by pressing RESET on panel.

5. Pan - Initiate Scan

As scan is taken, preview screen will appear.

When preview screen shows completed image, system will process and construct the image.

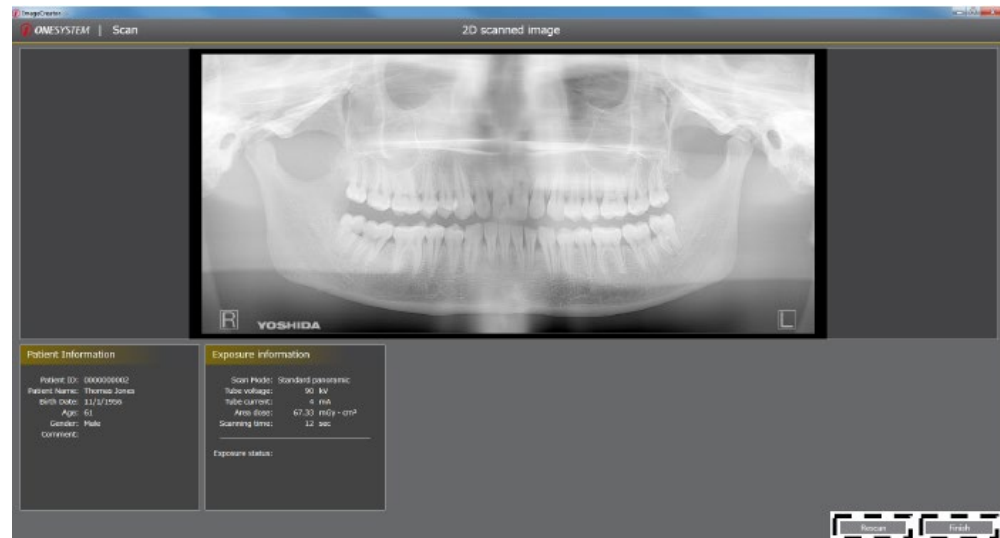
During this time, patient can step out of machine.



5. Pan - Initiate Scan

Acquired image appears in window.

Click “Finish” to transfer the image to the imaging software where it is permanently saved.

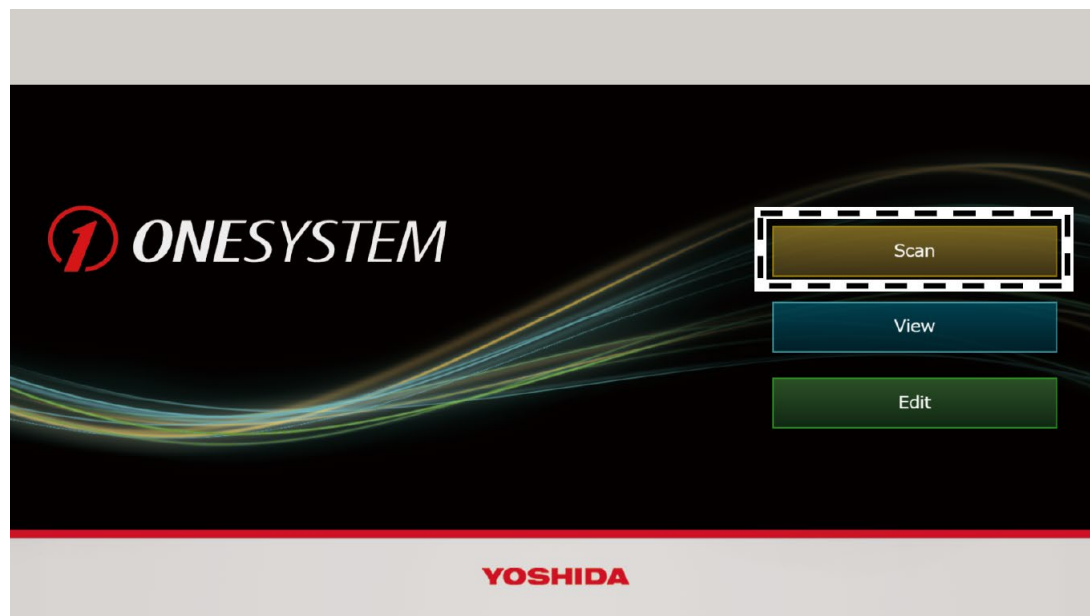


6. 3D - Prep Unit for Patient

Click “One System”
icon on the desktop



Click on “Scan” button



6. 3D - Prep Unit for Patient

Either add new patient or select existing patient

ONESYSTEM | Scan

Select Patient

Patient Search

Patient ID:

Patient Name:

Comment:

Search

Patient Information

Patient ID: 000000002
Patient Name: Thomas Jones
Birth Date: 11/1/1956
Age: 61
Gender: Male
Comment:

Patient List

ID	Name	Gender	Birth Date	Age	Last scan date	Comment
000000000	Mode Test	Other	9/11/2017	1		
000000001	Jiroh Yoshida	Male	5/5/2016	2		
000000002	Thomas Jones	Male	11/1/1956	61		
000000004	Duke Togo	Male	5/5/1942	76		
000000005	Kate Nicholas	Female	12/12/1978	39		
000000006	Jimping Lin	Male	6/30/1948	70		
000000007	Jackie Chun	Male	4/7/1954	64		
000000008	Mun-nam Kim	Male	7/13/1968	50		
000000009	Arbert Schneider	Male	7/22/2002	16		
000000010	Jeanne Pascal	Female	9/11/1974	44		
000000011	Cindy McPhee	Female	1/15/1998	20		
000000012	Ian Ford	Male	3/31/1937	81		
000000013	Mary Williams	Female	8/15/1945	73		

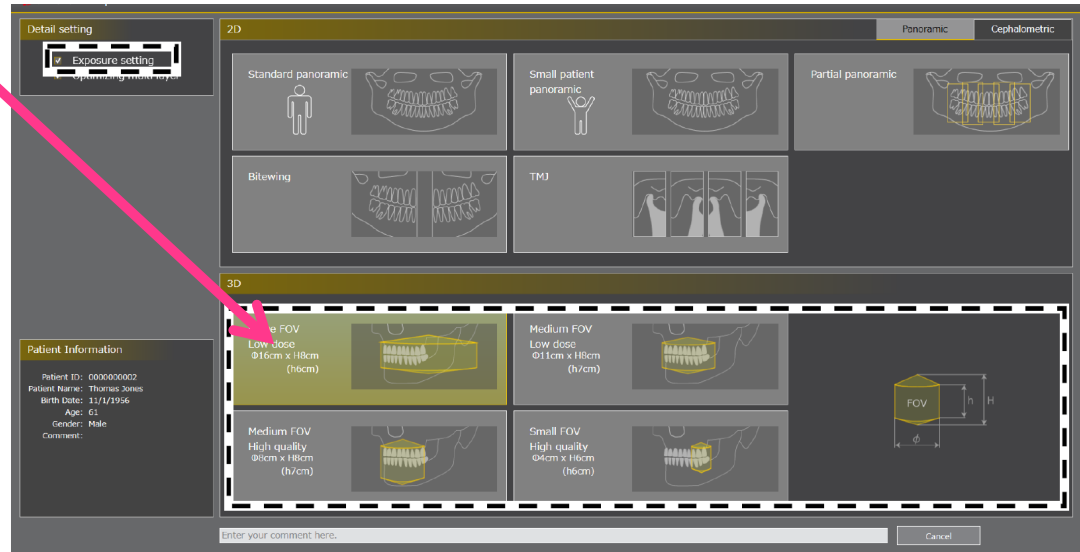
Add Patient Cancel Scan

Click "Scan"

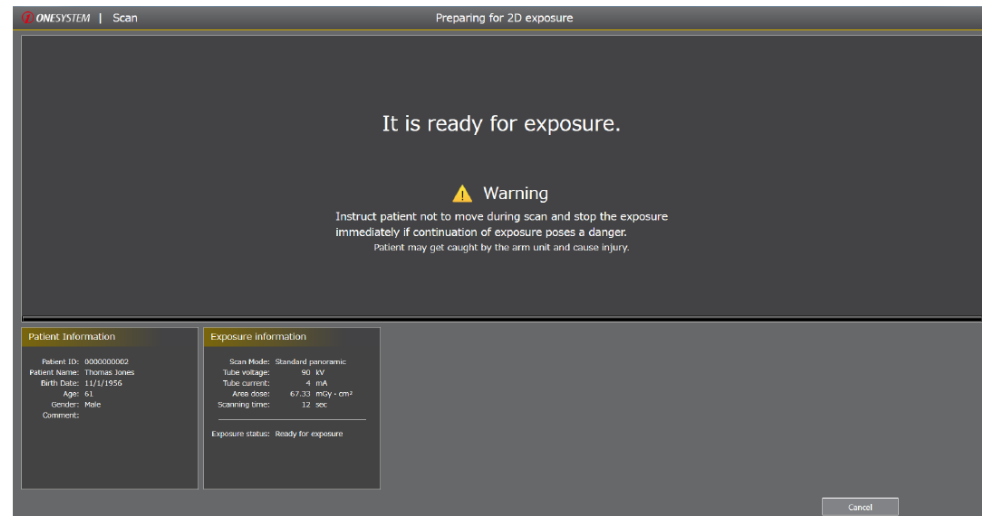
6. 3D - Prep Unit for Patient

Click 3D volume size

Confirm "Exposure Setting is NOT checked (unless tailored parameter changes are desired)

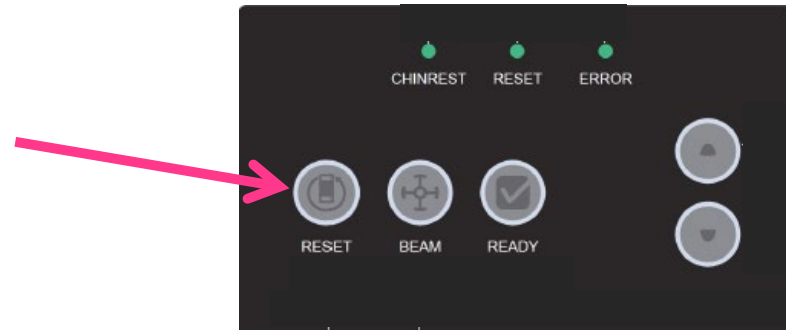


Ready for Exposure Screen is displayed

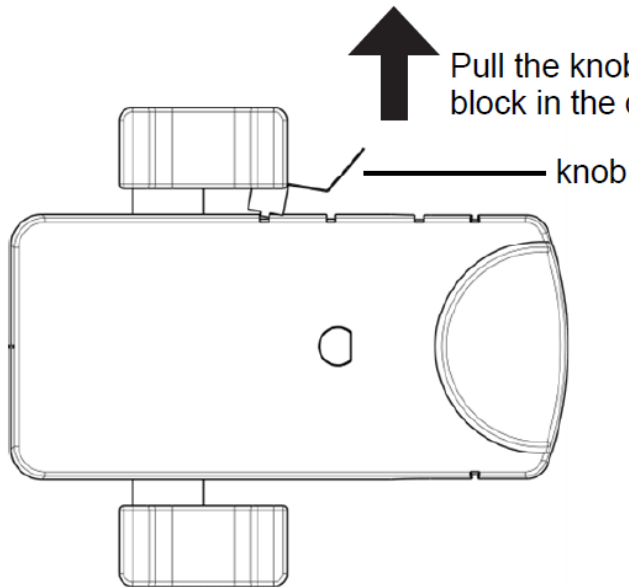


6. 3D - Prep Unit for Patient

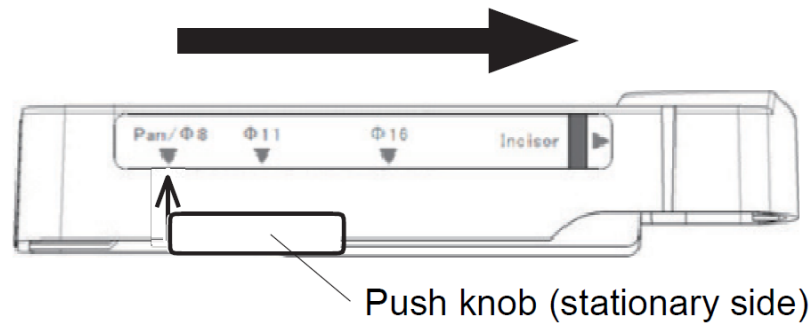
Press "Reset" Button on the console



Move the chinrest to the position for the volume selected:



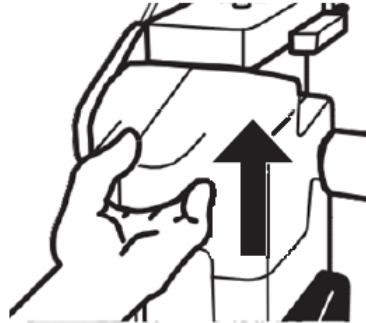
Slide the chin rest so the correct volume aligns with the edge of the push knob



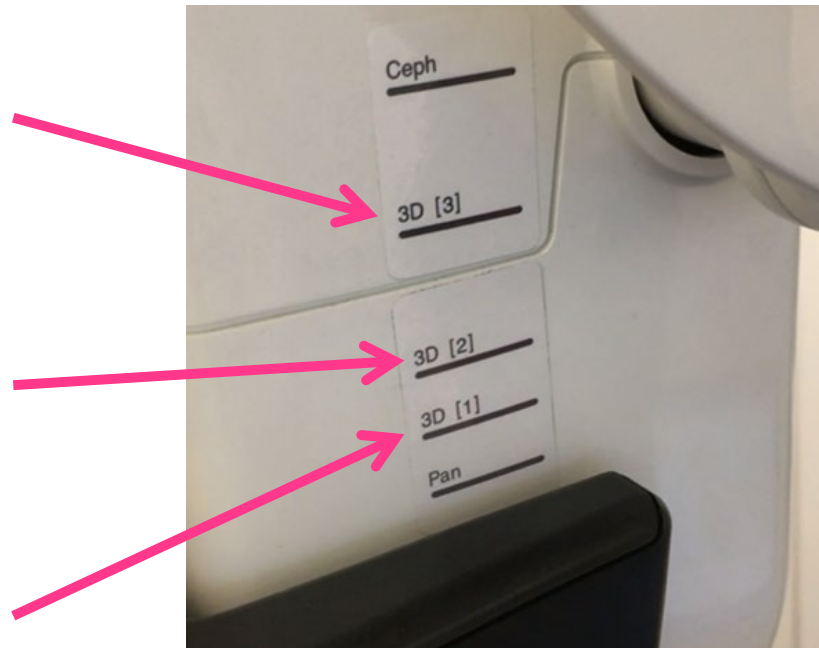
6. 3D - Prep Unit for Patient

Remove the bitestick from the chinrest

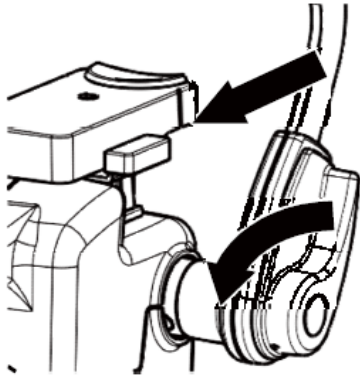
Move the chinrest to the position for the desired anatomy using button on front of chinrest



- Set chinrest to 3D [3] for focus on maxilla/sinus
- Set chinrest to 3D [2] for focus on both mandible and maxilla
- Set chinrest to 3D [1] for focus on mandible



6. 3D - Prep Unit for Patient



Loosen lever for head support,
and rotate head support
toward patient anterior

Move head rest to an approximate position of patient height by pressing Up/Down switch on the console.

7. 3D - Patient Positioning

Have the patient remove jewelry, eyeglasses, etc and place the apron on the patient.

Have patient step into machine and rest chin on chinrest.

Recommend patient cross arms and hold stabilizing bars. This drops the shoulders.

Align the patient's midsagittal line with the median marks on the forehead support and chinrest

Press Beam button. Laser lights will come on.



7. 3D - Patient Positioning

Elevate the movable column portion so that the Frankfurt horizontal beam and the patient's camper plane become parallel.

Frankfurt horizontal beam



Use Frankfurt laser to confirm top and bottom of FOV are correct. Slide beam to top marker to confirm top of FOV. Slide beam to bottom marker to confirm bottom of FOV.

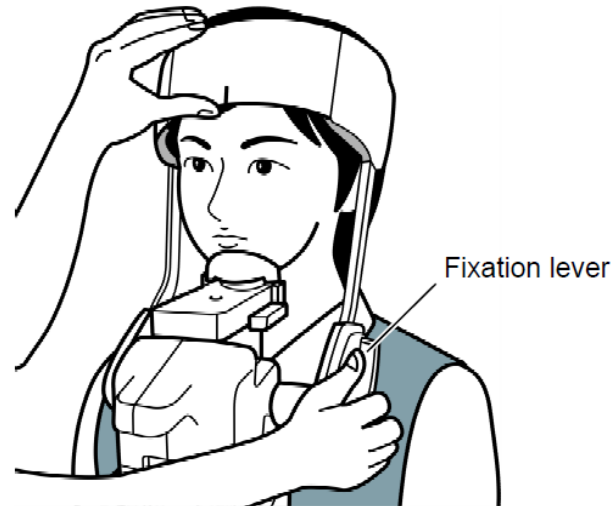


7. 3D - Patient Positioning

Make an final fine adjustments by moving unit up or down from the console

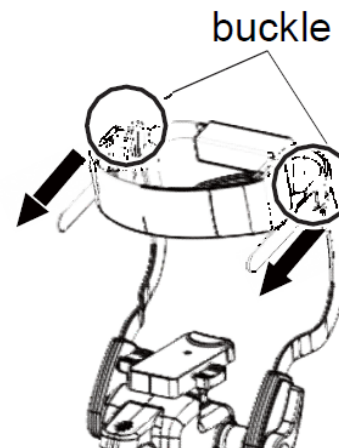
Instruct the patient to lean forward slightly

Lock the fixation lever at the position where the patient's forehead fits



Secure the head strap behind the patient's head

It's recommended to have patient bit of small roll of gauze to keep teeth slightly separated during the scan



8. 3D - Initiate Scan

Confirm ready for exposure screen still appears.



If possible the operator should stand where they can observe both the patient in the machine and the computer screen.

Note:

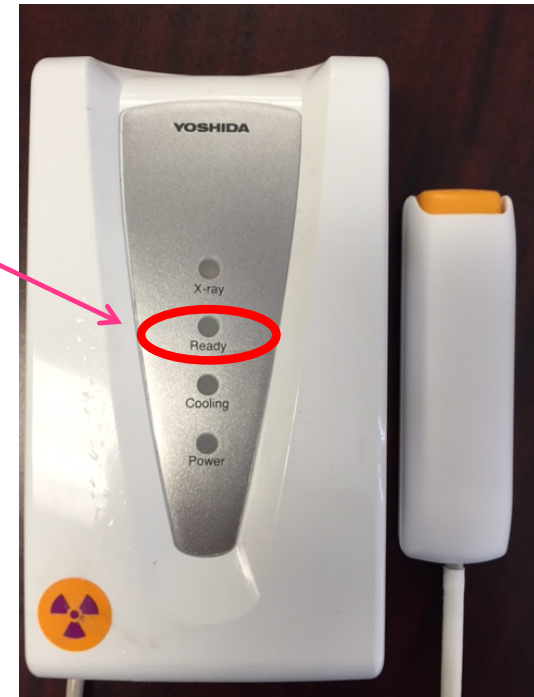
Unit will not scan when laser beams are on. Either wait until beam go off or press BEAM button to turn them off.

8. 3D - Initiate Scan

Confirm Ready LED is solid green
(not blinking)

Instruct the patient to swallow, place
the tongue on the roof of the mouth,
and hold still.

Press and hold switch during entirety
of scan.



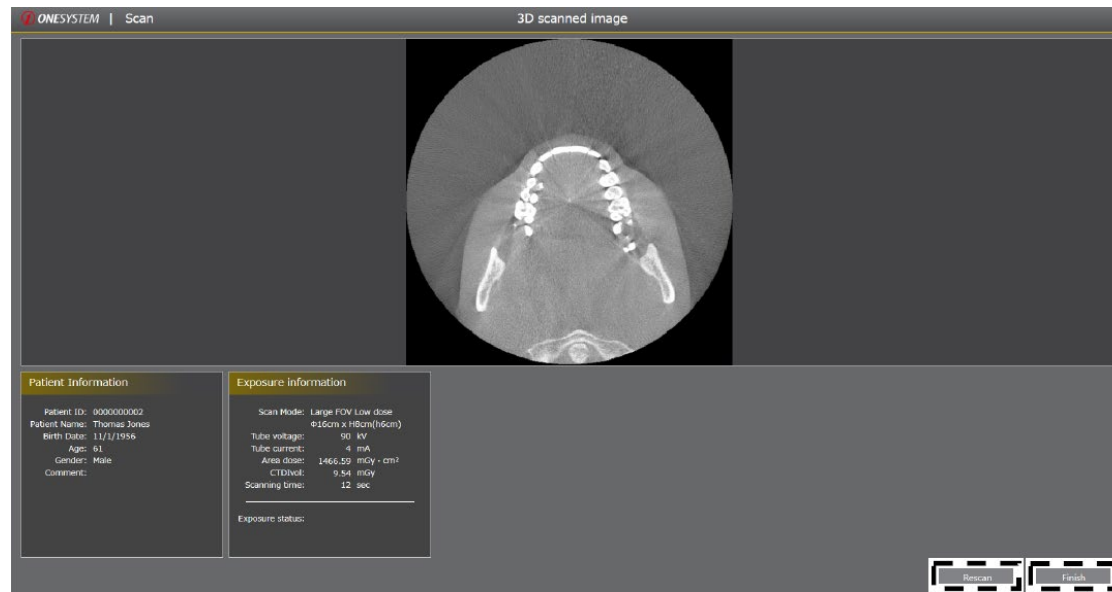
Note:

If switch is released before exposure is complete, an error will be displayed.

These error codes can be cleared by pressing RESET on panel.

8. 3D - Initiate Scan

After volume construction, an axial view of the volume will be displayed



Click Finish

You will be asked if you would like to display the image in the 3D Viewer

Summary

**These instructions serve as supplemental guidance of the Panoura.
They are not meant to replace the manual, but rather serve to
complement it.**

If there are any questions, please do not hesitate to contact us

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