



ImageWorks

Generations of Imaging

Panoura 18S
Panoramic X-Ray Operation Training
Quick Guide

Summary

These instructions serve as supplemental guidance on the Panoura 18S. 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



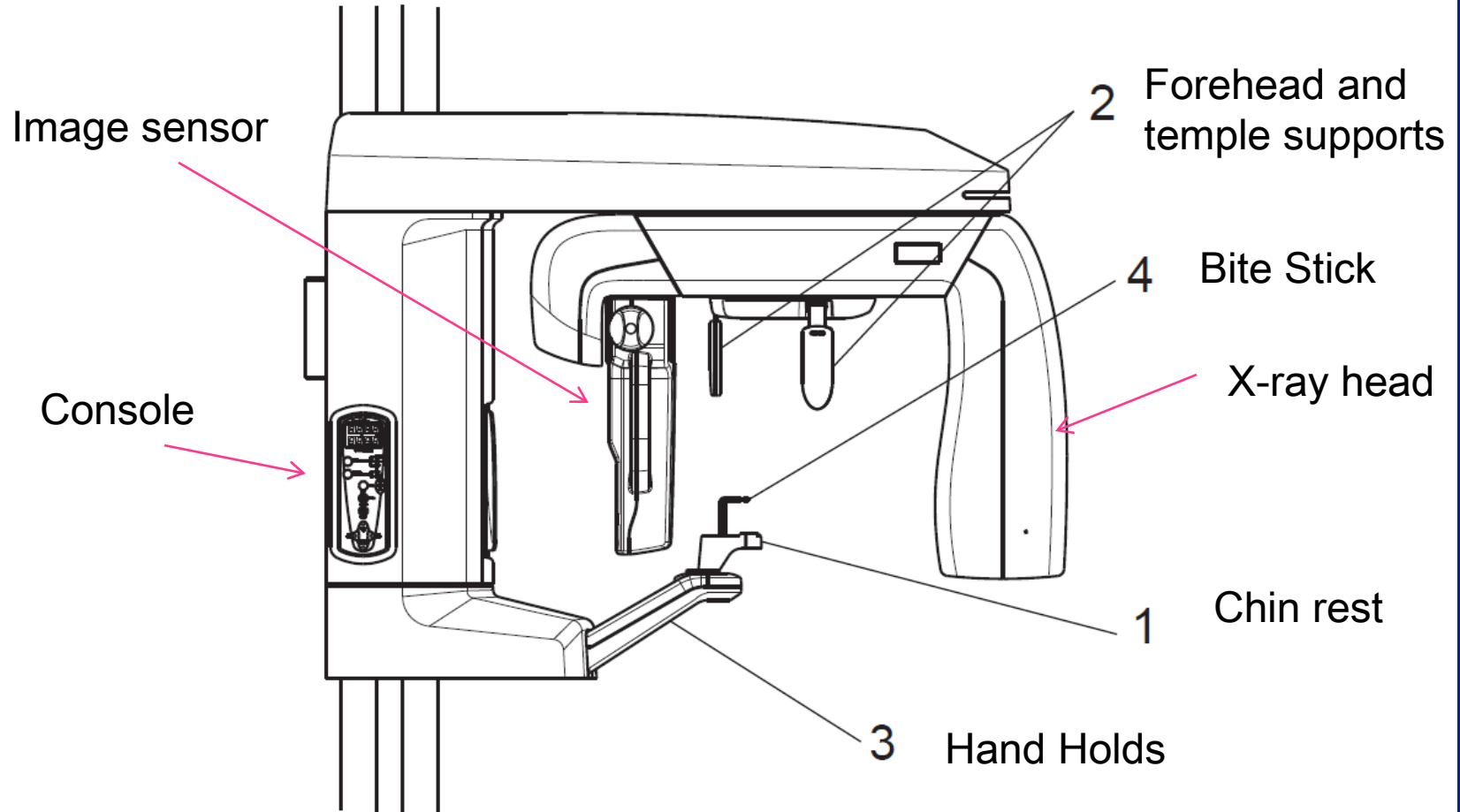
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1. Unit Overview



1. Unit Overview

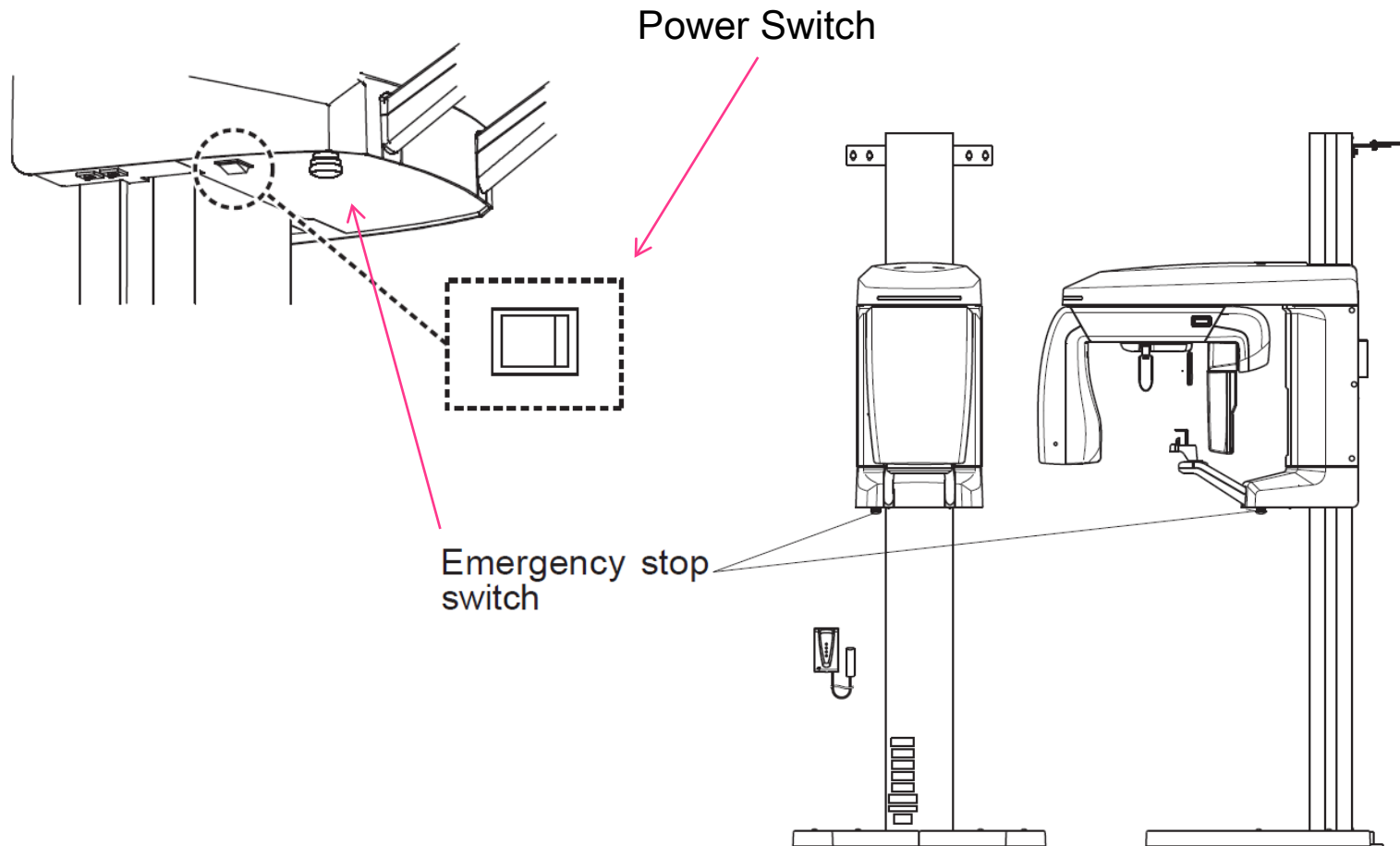
Console



Handswitch



2. Power Switch



3. Pan - Prep Unit for Patient

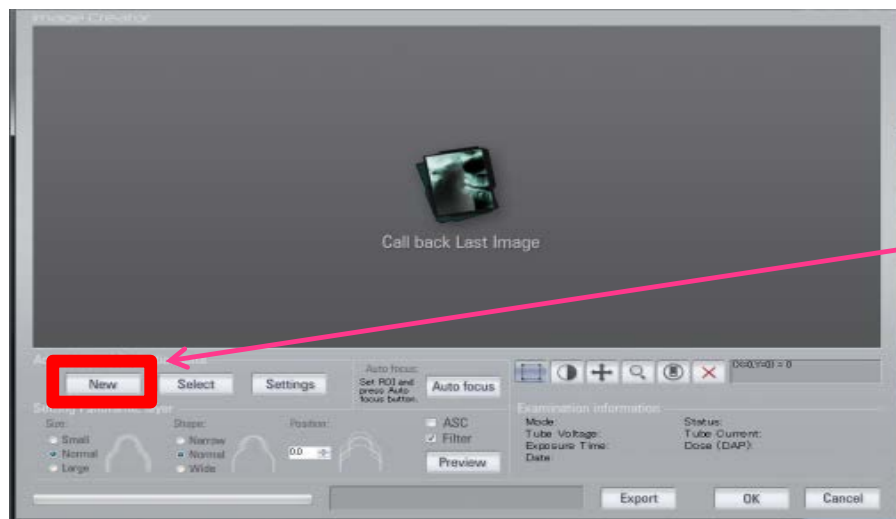
Before bringing patient to machine...

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 “NEW” button to capture a new X-Ray scan.

3. Pan - Prep Unit for Patient

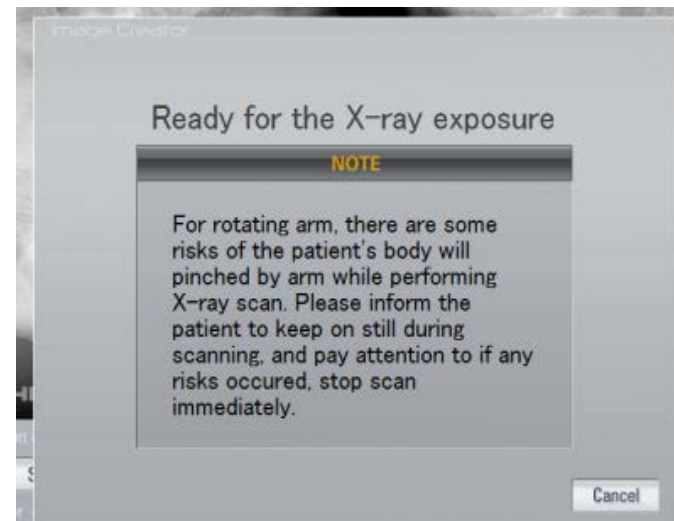
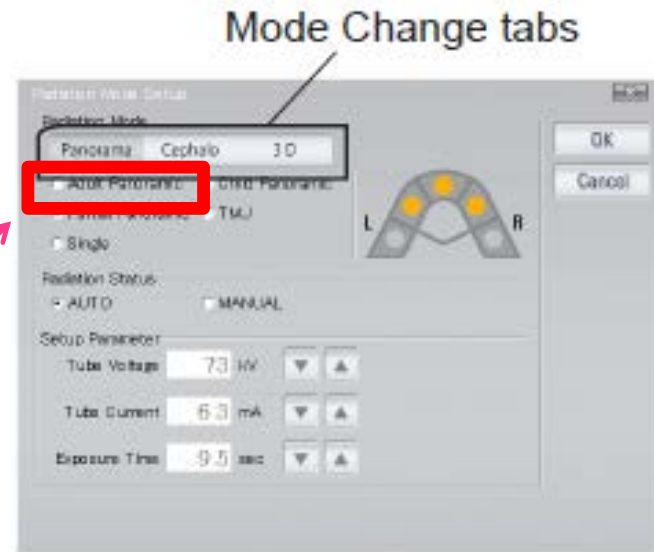
Ensure that the “Radiation Mode Setup” dialog shown below is displayed.

Click on “Panorama” Tab.

Click on Auto Panoramic.

Press Ok.

Ready for exposure screen will appear.



3. Pan - Prep Unit for Patient

Open the head supports before the patient enters the machine

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

Have patient step into machine and rest chin on chinrest.

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

Have patient step both feet forward about a foot from the post (holding on to stabilizing bars for support).

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

4. Pan - Patient Positioning

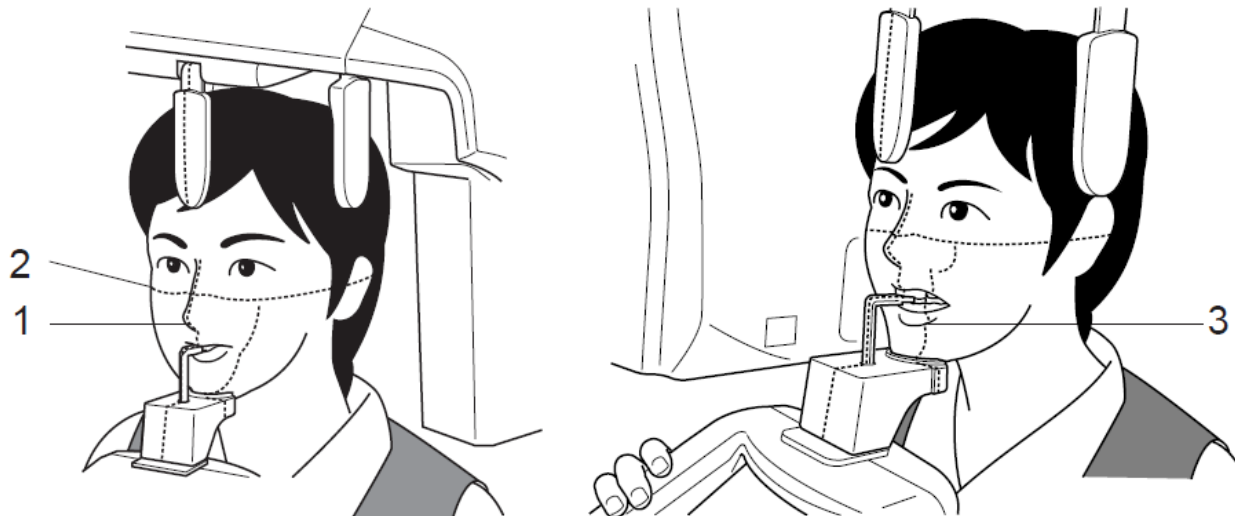
Have the patient remove jewelry, eyeglasses, etc and place the apron on the patient.

Press Beam button. Unit will reposition and laser lights will come on.

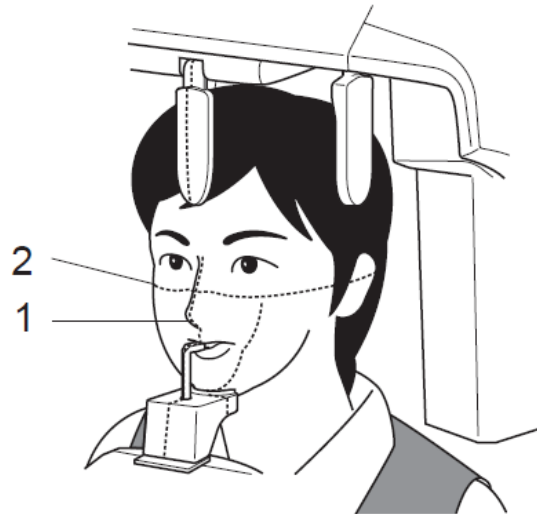
Close head supports around patient's head

Utilize the mirror to position the patient. There are 3 beams that must be aligned:

- 1) Medial/midsagittal ;
- 2) Frankfurt plane/Oculoauricular;
- 3) Anteroposterior Plan/Canine tooth.

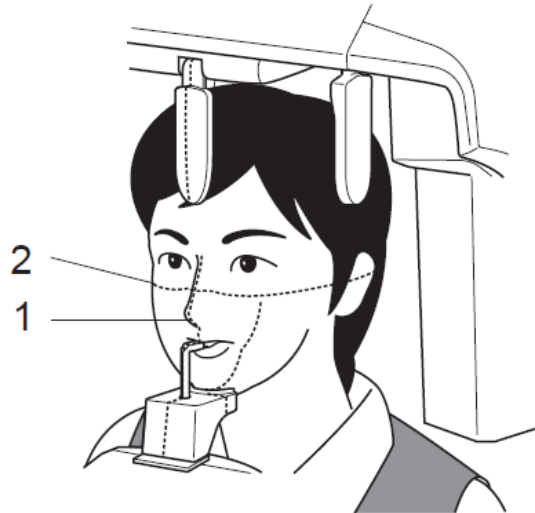


4. Pan - Patient Positioning



1. Medial/midsagittal line should run through the middle point between the left and right incisors and the nose ridge

4. Pan - Patient Positioning

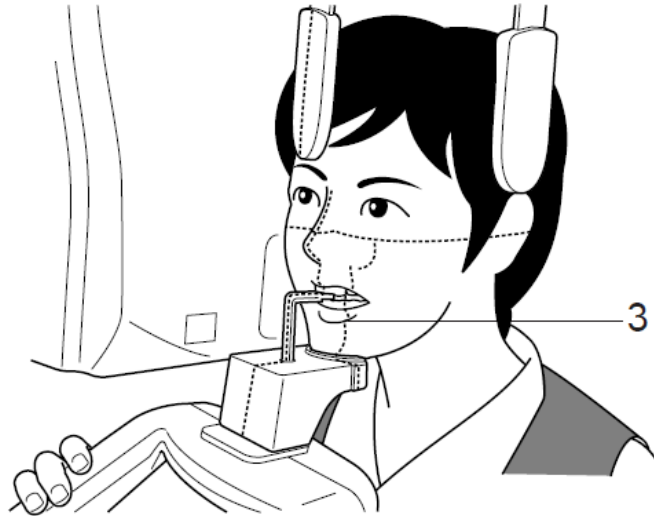


2. Frankfurt plane should run from base of eye orbitals to lower portion of ear opening.

If chin too high – flat occlusal plane. Pan will look like a frown

If chin too low – pan will look like smile

4. Pan - Patient Positioning



3) Anteroposterior Plan/Canine tooth line should align with mandibular third tooth (patient's left canine tooth).

To assist in showing the tooth, patient can be asked to smile. However, have patient close lips before scan.

5. Pan - Initiate Scan

Press RESET on the console

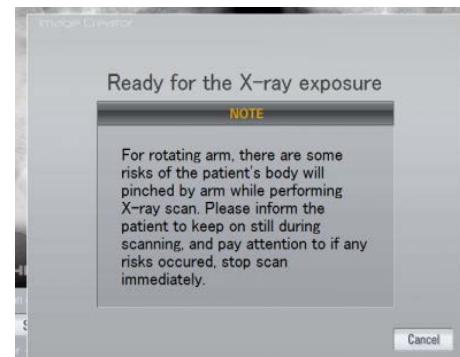
Turn beams off (if still on, BEAM button can be pressed)

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.



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 ER08 warning is displayed.

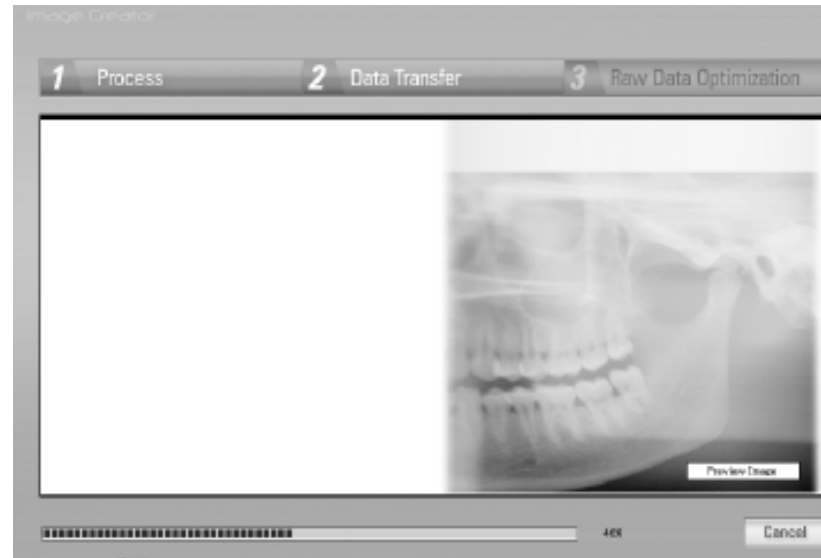
These error codes can be cleared by pressing RESET on panel.

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 OK to transfer the image to the imaging software where it is permanently saved.



Summary

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