

Planmeca ProMax® Mid 3D Face and Ceph Exposure

Step 1 - Setting up the Software and Imaging Unit

- Remove 2D temple supports and insert 3D head support system with chin cup.
- Open Romexis, then open or create a patient. If adding a new patient, select Save after entering patient data. Under Next Steps, choose Go to 3D Imaging then select 3D Capture.
- On the touchscreen select 3D Dental, then Face.
- Select both Lower and Upper.
- Press Forward (▶) to continue.
- Select the patient size and resolution. Enable **ULD** and **CALM**, as needed and if available.

Step 2 - Patient Positioning

- Have the patient remove glasses, jewelry, all removable appliances and hair accessories.
- Have the patient stand tall as possible, hold handles and walk close to the unit.
- Adjust height of unit until the chin rest is even with the patient's chin.
- Instruct the patient to be positioned using the chin cup; the chin cup will keep the patient in occlusion. (Patient may also be positioned using the bite stick.)
- With the patient's chin resting on the chin cup, verify the cervical spine is stretched by gently lifting up on the back of the patient's head.
- Raise or lower the unit until the posterior occlusal table is parallel to floor.
- Lower and tighten 3D head support securely.
- Align the mid-sagittal laser to the **dental** midline by moving the chin left or right.
- Press 90° to check shoulder clearance.

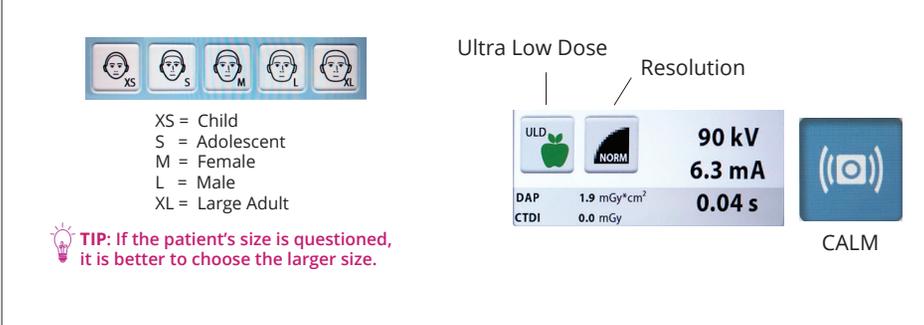
Step 3 - Exposure

- The ProMax will take 2 separate volumes. Hold your finger on the exposure switch until both rotations have been completed.
- After both volumes are captured and processed, the Romexis window will prompt the user to Stitch or Cancel. Always select Stitch. Once the image has processed, verify "Auto with Tilt" is the selected stitching mode and click Stitch.

 **TIP: If the exposure switch is released in between the two rotations, un-pause the touchpad to move forward.**

Step 4 - Create Virtual Ceph

- Open 3D Image in Romexis
- Choose Virtual Ceph from the top dropdown toolbar.
- Add ruler, adjust and save image.
- Enhance image, if necessary.



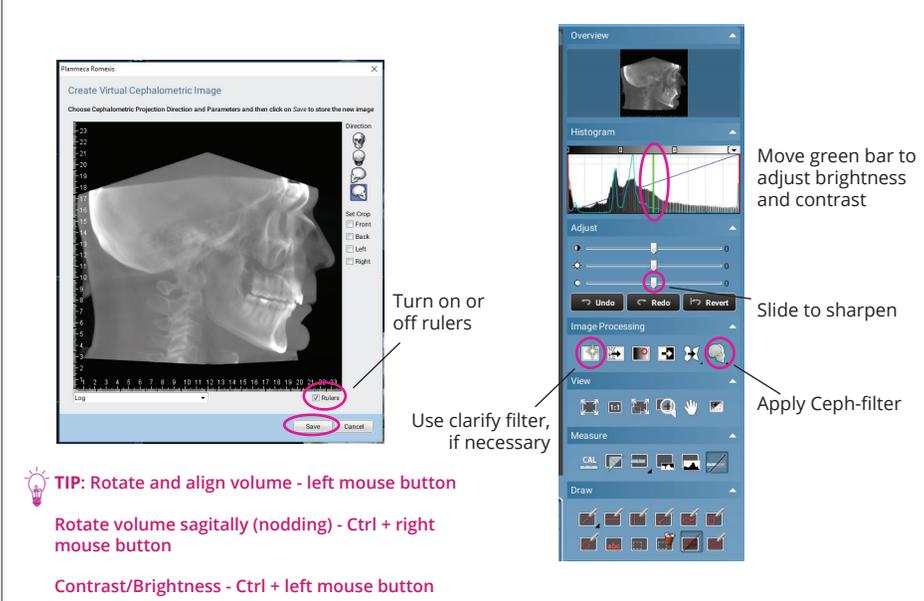
Ultra Low Dose Resolution

XS = Child
S = Adolescent
M = Female
L = Male
XL = Large Adult

ULD NORM 90 kV
6.3 mA
DAP 1.9 mGy*cm²
CTDI 0.0 mGy 0.04 s

CALM

 **TIP: If the patient's size is questioned, it is better to choose the larger size.**



Turn on or off rulers

Use clarify filter, if necessary

Move green bar to adjust brightness and contrast

Slide to sharpen

Apply Ceph-filter

 **TIP: Rotate and align volume - left mouse button**

Rotate volume sagittally (nodding) - Ctrl + right mouse button

Contrast/Brightness - Ctrl + left mouse button