

# Planmeca ProMax® Plus/Mid 3D Tooth with Scout

## Step 1 - Setting up the Software and Imaging Unit

- Remove 2D temple supports and insert 3D head support system.
- 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 Tooth.
- Select Target Area.
- Press Lower, Upper or Both.
- Select Patient Size.
- Press Forward (▶) to continue. (If selecting the upper arch, the ProMax will raise to the maxillary teeth after pressing Forward.)
- Select the resolution. Enable ULD and CALM, as needed and if available.
- Select Scout to capture a preview of the image.

## 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 bite on the bite stick and visually verify the anterior teeth are in the grooves. (Patient may also be positioned using the chin cup. The chin cup will keep the patient in occlusion. Use cotton rolls to open occlusion if needed.)
- Lower the bite stick so the patient's chin is resting on the chin rest. 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.
- Verify the volume bottom laser is below the region of interest. (To adjust the height of the bottom laser, press and hold the curved arrows until the laser is below the region of interest.)

## Step 3 - Exposure

- Press Forward (▶) to take Scout exposure.
- Hold down the exposure button until audible noise stops and until both scout images appear on capture computer.
- Once the scout image appears on capture computer, verify the area of interest is displayed on left of computer screen.
- To move image anterior (A) or posterior (P), move arrows on the touchpad up to 10mm.
- When the area of interest has been captured in the Scout image, select Volume on the touchpad.
- Press Forward (▶) to continue.
- Instruct the patient to remain still and breathe through nose.
- Hold down the exposure button until audible noises cease.

Lower Upper Both

XS S M L XL

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

Ultra Low Dose Resolution

ULD NORM 90 kV 6.3 mA 0.04 s

DAP 1.9 mGy\*cm<sup>2</sup> CTDI 0.0 mGy

CALM

Scout Volume

Scout Enabled

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

Midsagittal Laser

Volume Center Laser

Height Adjustment

Volume Up

Volume Down

Target Area

Posterior/Anterior image movement

17 mm 14 mm 90 mm

50 mm 50 mm

90°