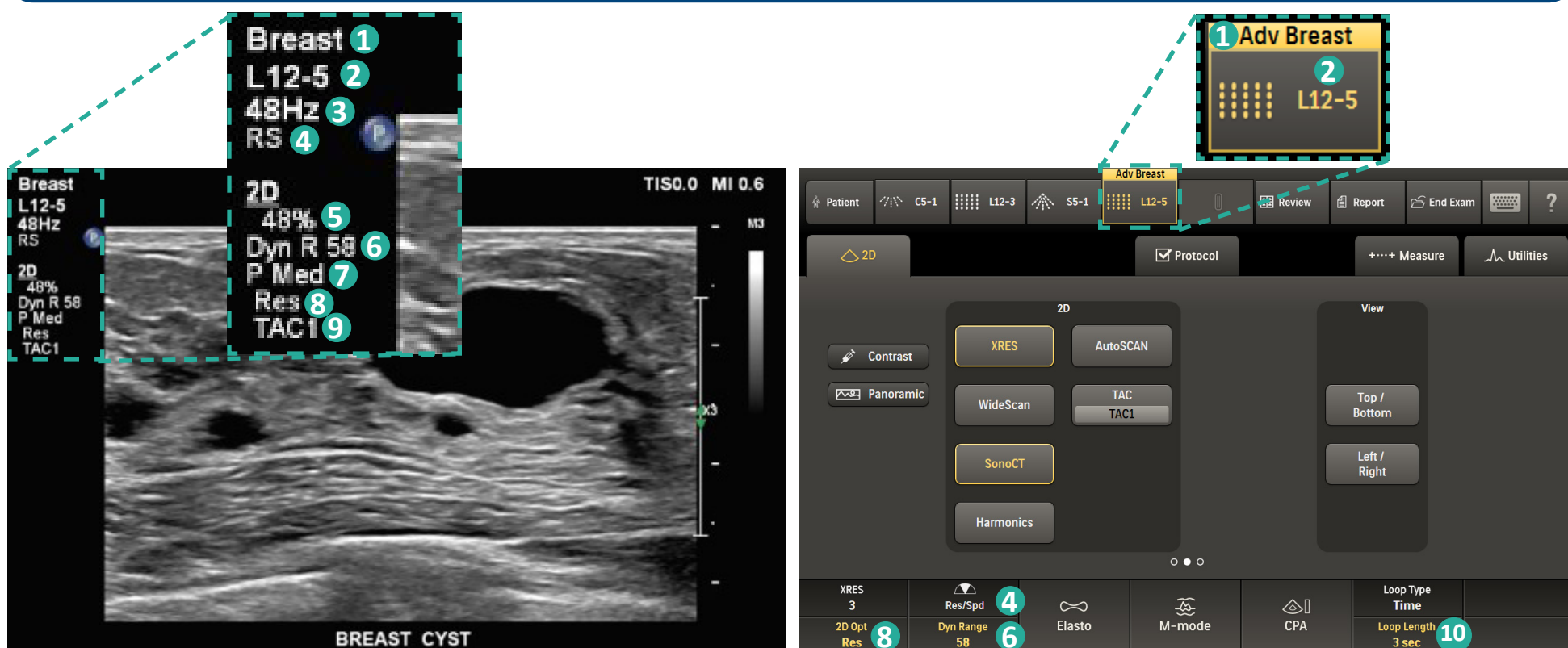


## Breast Imaging Controls

## QuickGuide

## Main Display and Touchscreen



- 1 Tissue Specific Preset (TSP):**
  - To change the TSP, press the transducer name on the touchscreen and choose from the list of available presets.
- 2 Transducer:**
  - To select a different transducer, press the name of any connected transducer on the touchscreen.
- 3 Frame Rate**
- 4 DRS (Dynamic Resolution System):** DRS provides one-button temporal vs. spatial resolution in 2D and 3D.
  - Controls the number of lines of sight per crystal.
    - R1 has 9 lines of sight, RS has 6 lines, and S1 has 3 lines of sight per crystal.
    - Most settings default to RS.
  - To change the DRS, press Res/Spd on the touch screen and then turn the corresponding soft key rotary knob.
- 5 2D Gain:** Controls the overall brightness of the image.
  - Controlled by turning the 2D knob on the control panel to the left to decrease or to the right to increase.
- 6 Dynamic Range (DR):** Also known as compression. Controls the number of shades of gray displayed.
  - To change the Dynamic Range setting, activate by pressing **Dyn Range** on the touchscreen (colored amber when activated). Rotate the soft key knob.
    - Turning up the DR will add more levels of gray to the image, making the image smoother.
    - Turning the DR down will remove the grays and increase contrast.
- 7 Persistence:** Persistence is frame averaging.
  - Persistence is located on the second page of the touchscreen. There are 4 setting options - Off, P Low, P Med, P High. Adjust by turning the soft key knob.
- 8 2D Opt:** 2D Opt allows the user to select more resolution versus penetration
  - Press 2D Opt on the touchscreen to active (amber color when active), then rotate the soft key knob to change the setting.
    - RES emphasizes higher frequency bandwidth for better resolution in the near field.
    - GEN balances resolution and penetration.
    - PEN emphasizes lower frequency bandwidth for deeper tissue penetration and less detail resolution.
- 9 TAC (Tissue Aberration Correction):** Adjusts the speed of sound in the tissue.
  - Two choices, TAC 1 and TAC2. The Adv Breast TSP defaults to TAC1.
- 10 Loop Length:**
  - All breast TSPs default to a 3 second loop length. Press **Loop Length** on the touch screen and rotate the soft key knob to change the loop length.
  - Press Acquire 2 on the control panel to save the loop.
  - The preferred loop length can be saved as the default in a custom preset.



# Soft Keys

The soft key controls are located along the top of the control panel. Corresponding soft key labels are at the bottom of the touchscreen. Labels indicate the available functions, which depend on the active mode, preset, and transducer.

- 1 Soft key controls
  - Pressing a soft key label selects a function. You can also press a soft key control to switch among the available functions.
  - Turning a soft key control knob selects a function's value.
- 2 Soft key labels
- 3 Touchscreen page indicator
  - Press the page indicator to display the next page of touch controls for a function, if another page is available. Swiping the touchscreen with the tip of a finger will also move between screens.



# Control Panel



- 1 Touchscreen
- 2 Power and Sleep Mode controls
- 3 TCG slide controls
- 4 Trackball
- 5 Soft key and mode controls
- 6 Philips SupportConnet
- 7 2D Knob (gain control)
- 8 Acquire 1 and 2 (Can be set to print or capture a loop)



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