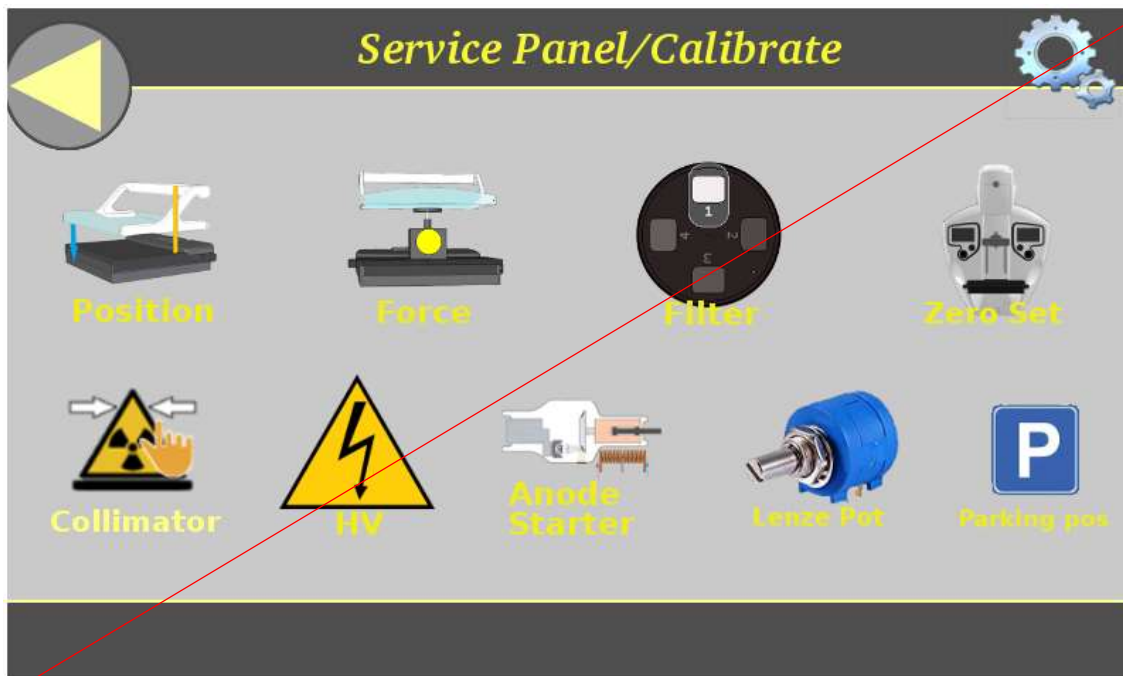
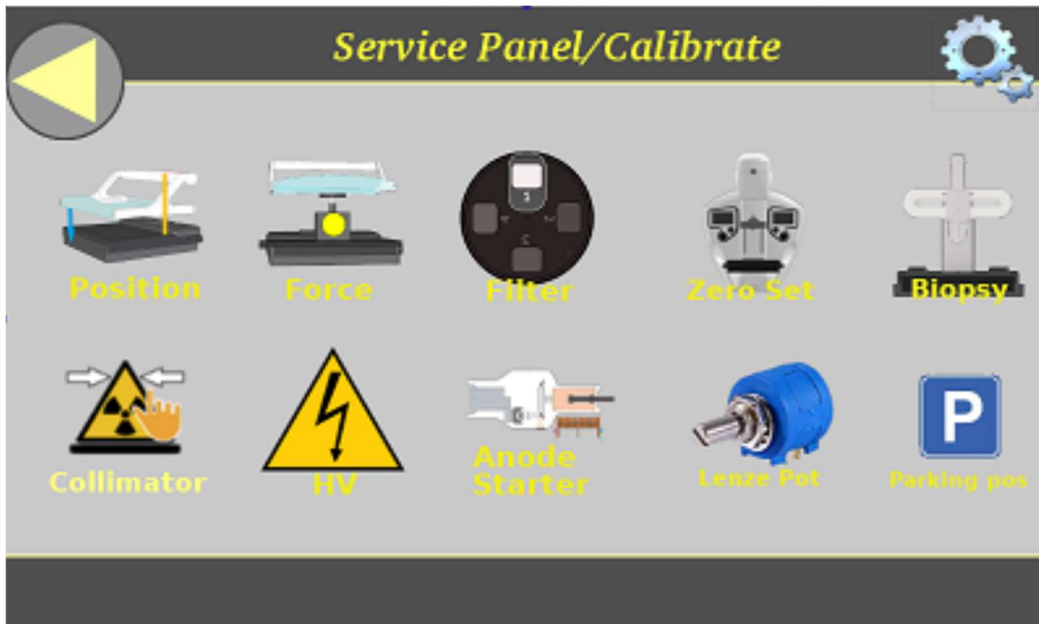


Reference	Section – Paragraph	Actions
MTHELIDMD-U04 chap05 SETTING TO WORK AND DETECTOR CALIBRATION	1.4 CALIBRATION FUNCTIONS	Replace red text/image with green text/image

### 1.4 CALIBRATION FUNCTIONS

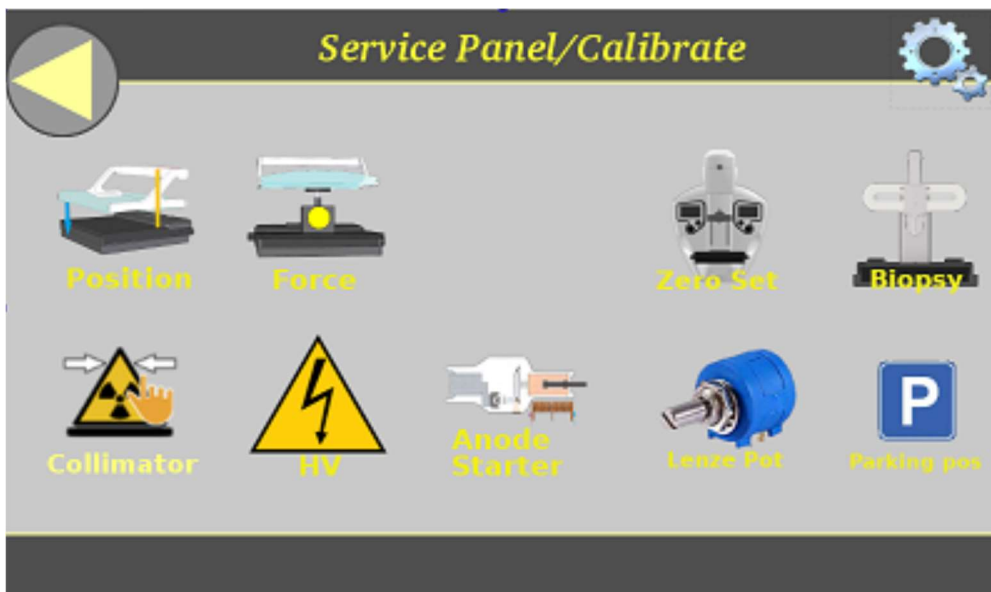
If the thickness value of compressed breast or force value are not correct, it is possible to calibrate their using a specific interface with service panel, directly accessible from MAMMO TSD. The service Panel shows a specific Menu to access to calibration functions.





- Position: position / thickness calibration;
- Force: calibration of the compression sensor;
- Filter: calibration of filter positions (if filter option is automatic);;
- ZeroSet: on-board inclinometer calibration;
- Collimator: setting the Manual Collimation;
- HV: power supply reading calibration;
- Anode Starter: (low speed starter option only) launch current calibration. This icon is not shown if the machine is configured with the high speed IAE starter;
- Lenze Pot: potentiometer reading calibration for detecting the vertical position of arm
- Parking pos: parking position calibration

When the filter option is FIXED the following image will appear:



Reference	Section – Paragraph	Actions
MTHELIDMD-U04 chap05 SETTING TO WORK AND DETECTOR CALIBRATION	2.3 ENHANCE tuning	Added green text/images

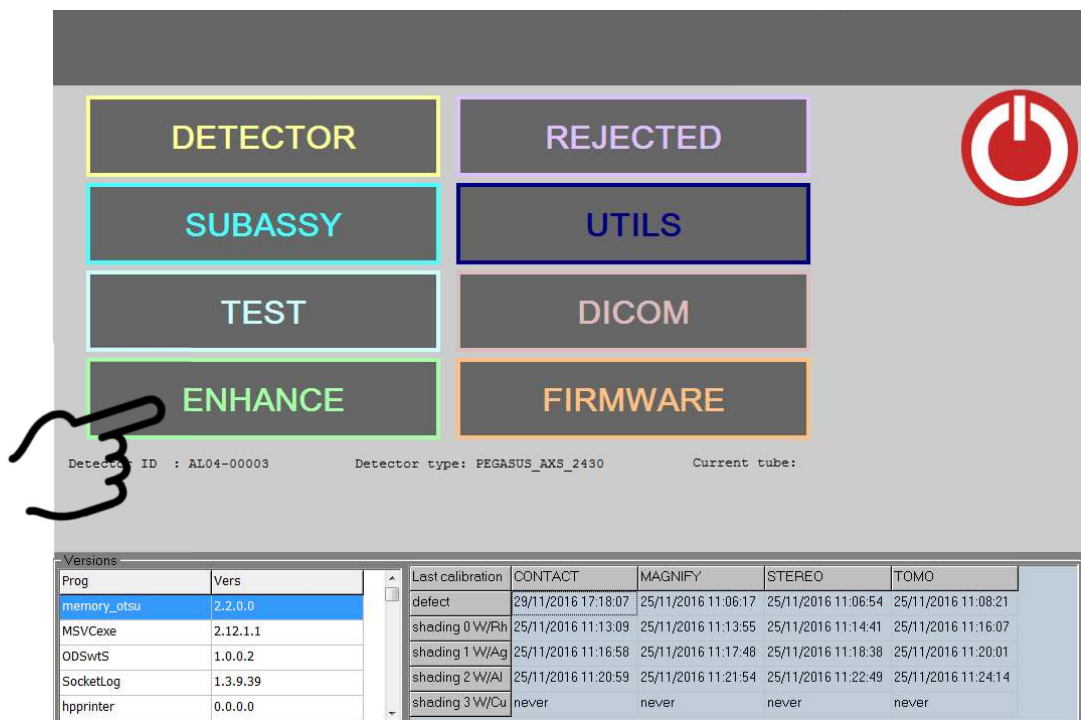
### 2.3 ENHANCE TUNING

The default parameters of post-processing image algorithm are optimized following suggestions of many radiologists.

It is offered also the possibility of tuning these parameters according to specific requirements of the medical radiologist

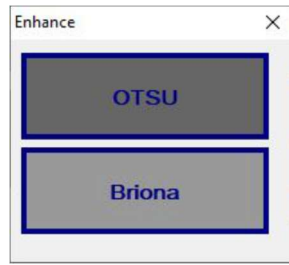
In DMMDToolkit home page:

1. Select Enhance icon on the GUI of the AWS DSP



The following menu will appear

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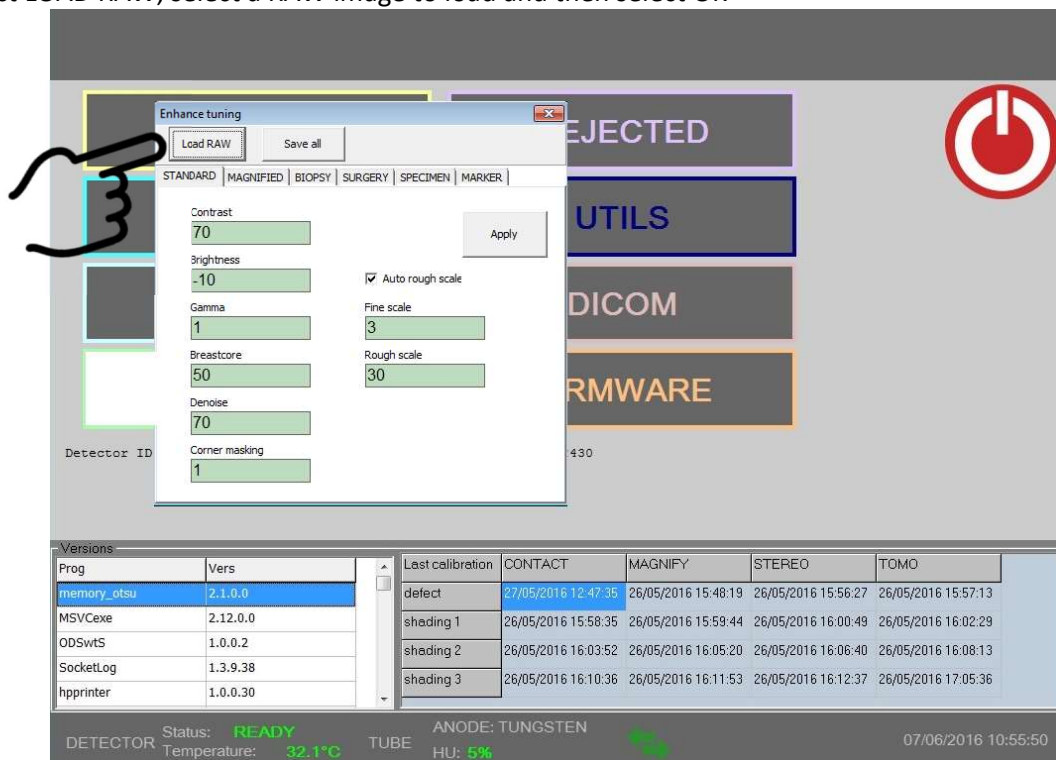


For 2D (OTSU) or 3D (Briona) images.

3D (image) is disabled by factory default.

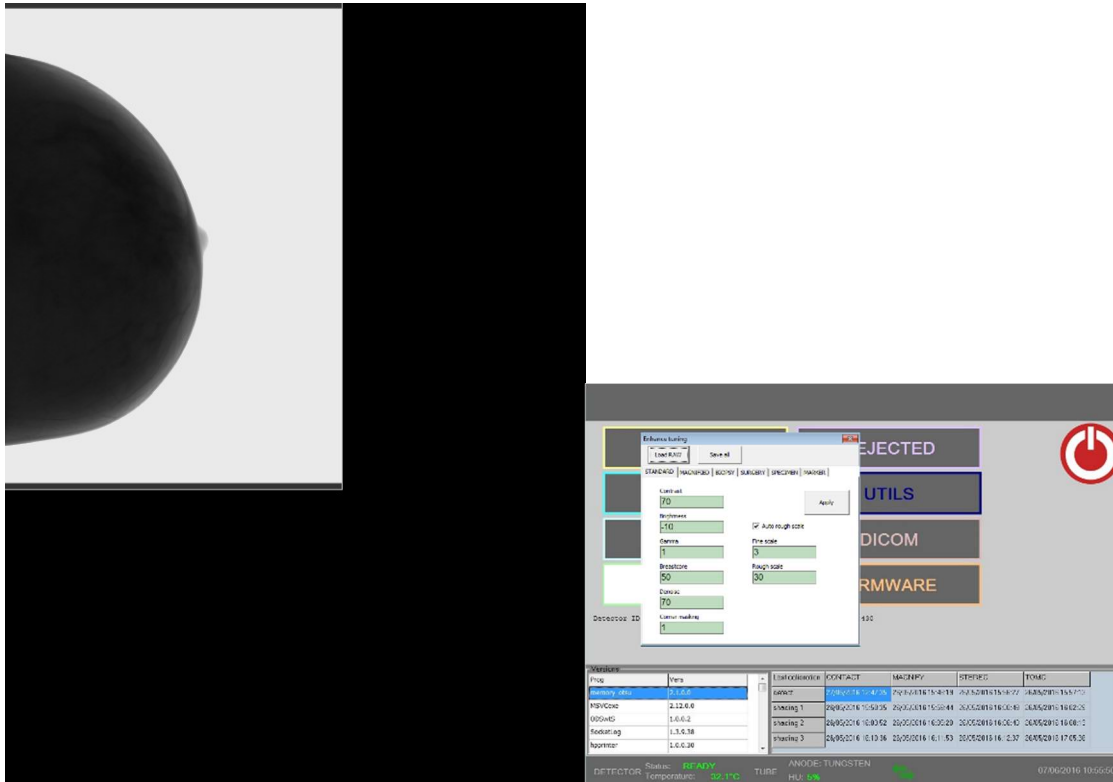
For 2D image Enhance:

1. Click on "OTSU" icon
2. Select LOAD RAW, select a RAW image to load and then select OK



3. Select Load raw and select a RAW image to load and the select OK

4. The Raw images will be displayed on the AWS HRD whereas the Enhance tuning window for the parameters modification will be displayed on the AWS DSP as follow:



AWS HRD

AWS DSP

5. Modify the parameters in the Enhance tuning window and then select Apply to apply the post processing algorithm.
6. If final image doesn't encounter the requirements requested from medical radiologist, the operator can change parameters according to the following note and, at the end, select apply again.

- *SegmMode parameter is no more used. If modified, no effect is obtained.*
- *In case of further modification on post-processed image, after choosing the proper parameter set, the operator can lightly modify first Gamma parameter and then Brightness and Contrast parameters.*
- *Changing Gamma parameter by increasing or by decreasing 0.1 step and then, eventually, modifying also the second decimal place.*
- *Decreasing Gamma parameter compresses the black values and expands the white values. It emphasizes the black/white effect. Increasing Gamma parameter makes the image*



**NOTE**

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*smooth. Acceptable value are : [0.5, 5.0]. Neutral value: 1.*

*Typical value range: [0.6, 1.2].*

- *Where necessary, changing Brightness parameter by increasing or by decreasing 10 and then changing units. Increasing Brightness parameter moves the image to the white, decreasing Brightness parameter moves the image to the black. \*If white values are saturated, decreasing of Brightness parameter is strongly suggested\*. Acceptable values: [-50, 50]. Neutral value: 0. Typical value range: [-20, 0].*