

## Articulating Arms

The articulating arms enable the detector to be positioned as appropriate for the imaging procedure. Simply push or pull on the arm to position the detector as desired.

**Safety Note:** The design maximum tip weight with the arm at full extension is 25 pounds.

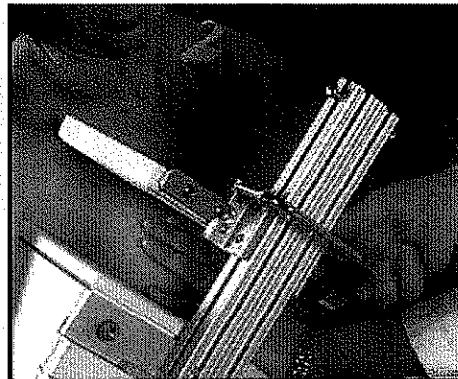
## Phantoms

A flood uniformity phantom (refillable) designed for use with the Dilon 6800 is included with the camera.

## SmartShield™

The SmartShield is used to insure that target organ gamma rays reach the detector without interference from scatter or from gamma rays from non-target organs. Using this shield will help improve the image quality. The gamma shield may also be used as a positioning device.

**Note:** The shield has a feature that insures patient safety. When the positioning clamp is released, the shield drops slowly. Skin or tender parts will not accidentally become pinched between the shield and the detector head.



## Securing the SmartShield to the Detector

1. Insure the retention clamp on the detector is loosened before attaching the shield to the detector head.
2. Carefully insert the shield mounting post into the hole in the detector, insuring that no other material is caught in-between.
3. Tighten the retention clamp on the detector head firmly but without over-tightening.
4. Loosen the positioning clamp on the shield so that it can easily be moved up and down.
5. Position the top portion of the shield to a medium high level and slightly tighten the bolts to keep it from moving downward. You are now ready to position the patient using the SmartShield.

**Warning:** Make sure that the SmartShield retention clamp is tightened. Failure to tighten the clamp may cause the shield to suddenly come loose from the detector and strike the patient or operator.



### **Removing the Gamma Shield from the Detector**

1. Rotate the detector so that the collimator is facing toward the ceiling.
2. Tighten both detector rotation locking handles.
3. Tighten the shield positioning clamp.
4. Loosen the retention clamp.
5. Carefully remove the device and store in a safe location.

### **Using the SmartShield for Breast Specific Gamma Imaging**

1. Insure there is enough space between the detector and the gamma shield to position the patient comfortably on the detector head.
2. Using the mammography technique of compression, bring the gamma shield in close proximity to the breast. It should be tight against the skin but not painful. Make sure the patient is comfortable enough to tolerate a 10-minute acquisition.
3. Tighten the shield positioning clamp to hold it in place.