Newly Installed or Reassembled Processor

According to the final regulations’ Section 900.12(e)(10) New processors, those that have been disassembled & re-assembled, and those undergoing major repairs, must be evaluated by a medical physicist before clinical use.

At a minimum, the following tests must be done on the processor:

1. processor testing as described in 900.12(e)(1)
2. phantom testing as described in 900.12(e)(2)
3. system artifact evaluation as described in 900.12(e)(5)(ix)
4. appropriate chemical solutions as described in 900.12(b)(13)
5. determination of dose as described in 900.12(e)(5)(vi)
The applicable medical physicist test are:

1. **Sensitometric testing** for processor
2. **Phantom Scoring** for phantom testing
3. **System Artifact test** for system artifact evaluation
4. **Verification** of appropriate processing solutions for chemicals
5. **Verification** of **dose changes** due increase of clinical techniques