
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\(e\)\(5\)\(vi\)](#)
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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