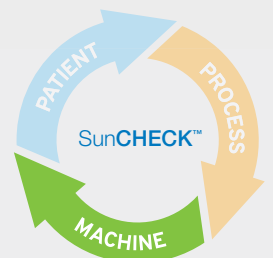


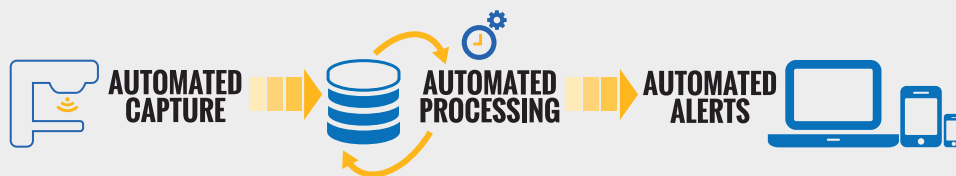
SNC Machine™

TG-142/VMAT Imaging and Mechanical QA



AUTOMATE YOUR MACHINE QA

SNC Machine™ listens for and captures your QA files, processes and analyzes the files, and saves the results to the database. Simply log in to the application and immediately view a dashboard of results. Accept results that pass, and drill down into the analysis details for results that fail. Trend any piece of data against any other piece of data. It is that simple, and that powerful.



TG-142 and VMAT Imaging and Mechanical QA

All image-based tests for TG-142 imaging and mechanical QA, plus VMAT QA, are included with SNC Machine. Simply deliver the test beam and SNC Machine does the rest. Accept or reject results on your terms and timeframe.

TG-142 Tests Include

- Image Quality
 - CBCT
 - kV
 - MV
- MLC
 - Picket Fence
 - Log File Positioning
 - Leaf Speed
 - Hancock MLC
- Winston-Lutz Isocenter
 - Radiation
 - Machine
 - Hancock Winston-Lutz
- Star Shot
 - Gantry
 - Couch
 - Collimator
- Light / Radiation Field Congruence
- Beam
 - Field Size
 - Flatness
 - Symmetry

All VMAT tests recommended by Varian are included with SNC Machine.

VMAT Tests Include

- Dose Rate versus Gantry Speed
- Leaf Speed
- Arc Point Dose
- DMLC Point Dose



SNC Machine in Action

19 different tests for TG-142 and VMAT QA

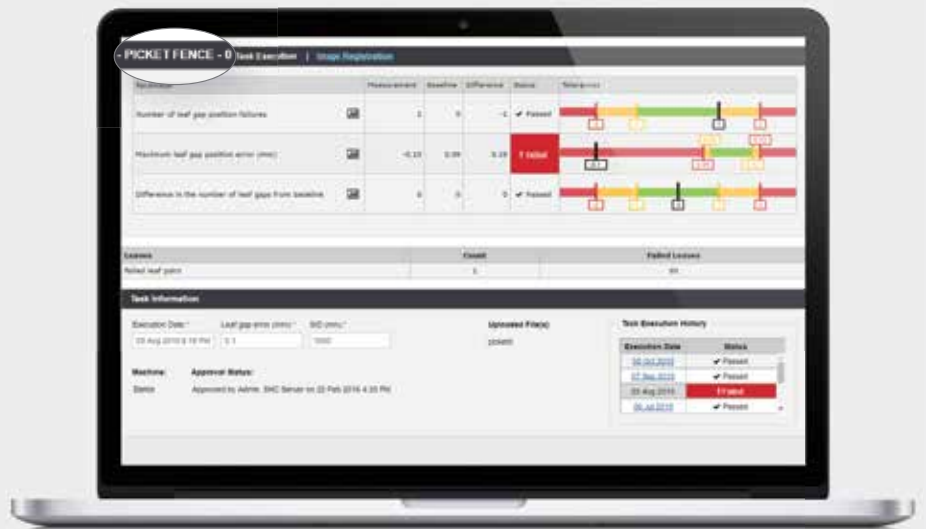
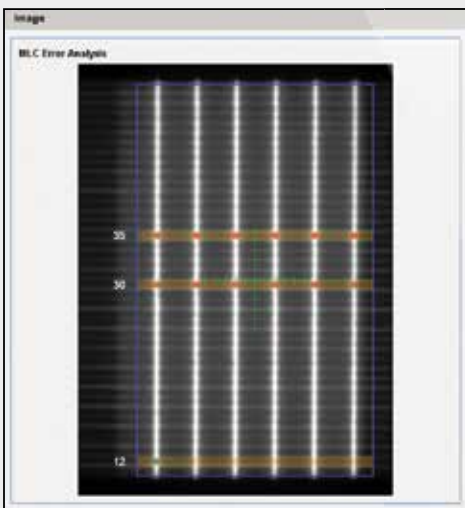


Dashboard

The SNC Machine Dashboard presents all recently executed tests. Failed tests are highlighted red. Approve the tests from the dashboard or click the test to drill down and scrutinize the results.

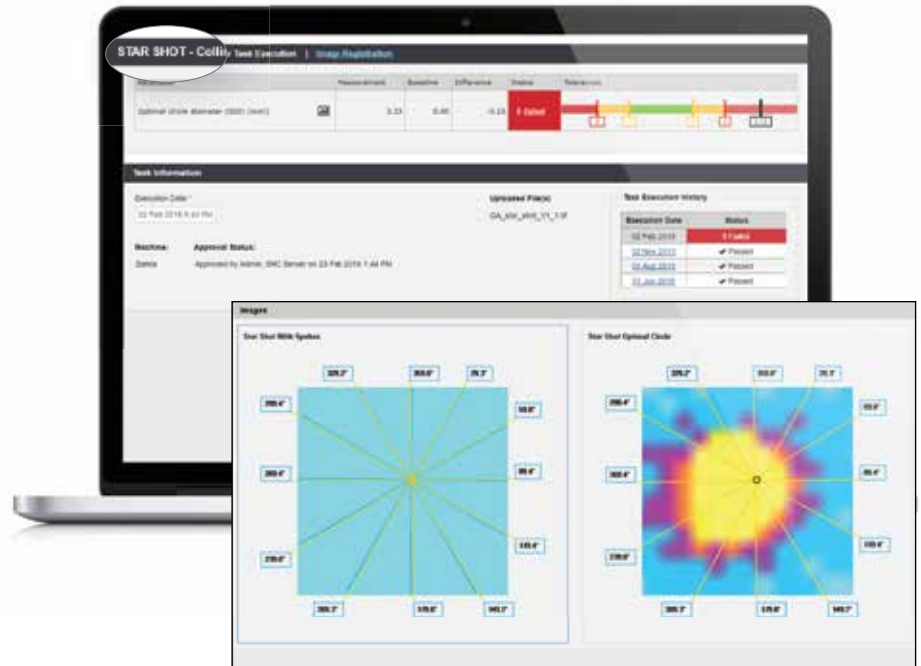
MLC Picket Fence

In this MLC Picket Fence test, failed leaves are highlighted, as are the pickets that failed.



Star Shot

Results and images of a Star Shot Test with automatically calculated circle diameter and spoke angles.



Winston-Lutz

Results and images of a Winston-Lutz Isocenter Test. View the 2D results for each image as well as the combined 3D results of all images. Additional Hancock Winston-Lutz test allows determination of couch and gantry contributions to Isocenter size.



SNC Machine Trending

Create trend graphs from any test result and easily compare trends using a single graph.



CBCT

Results and images for a CBCT Test. Roll over any thumb nail to see the parameters and the specific corresponding ROI's to ensure image registration was performed correctly.



Trending

Trend and compare the test parameter against other test parameters from any number of machines. Easy to read graphs display trend lines relative to custom tolerances.

More SNC Machine Highlights

- Web-based platform enables easy access and support from any networked computer
- Easy phantom baseline setup with automatic ROI registration
- Supports most common imaging and mechanical QA phantoms for TG-142
- Works with Varian and Elekta linear accelerators and ARIA® and MOSAIQ® oncology information systems
- Scalable SunCHECK™ platform allows seamless integration with the DoseCHECK™ and PerFRACTION applications, as well as future capabilities from the market leader in QA solutions

Specifications

Tests

TG-142 Imaging:	CBCT Image Quality, kV Image Quality, MV Image Quality
TG-142 Mechanical:	MLC Picket Fence, MLC Positioning & Leaf Speed, Hancock MLC, Winston-Lutz Radiation & Machine Isocenter, Hancock Winston-Lutz, Gantry/Couch/Collimator Starshot, Light/Radiation Congruence
Beam:	Field Size, Beam Flatness, Beam Symmetry
VMAT:	Dose Rate versus Gantry Speed, Leaf Speed, Arc Point Dose, DMLC Point Dose

Phantoms

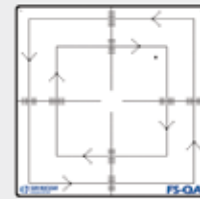
Sun Nuclear:	MV-QA, kV-QA, FS-QA, WL-QA
Standard Imaging:	PipsPro Phantoms
Phantom Laboratory:	CatPhan 503, 504, 600, 604
Leeds:	TOR 18FG
Varian:	Las Vegas Phantom
Gammex:	464
PTW:	EPID QC Phantom

Sun Nuclear Phantoms



WL-QA

Dimensions:	60 x 60 x 60 mm
Sphere size:	7.0 mm
Sphere center accuracy:	0.2 mm



FS-QA

Field sizes:	100 x 100 mm; 150 x 150 mm
Markers (±0.1mm):	56 - Field size (7 per field edge) 1 - Orientation
Dimensions: (L x W x D)	178 x 178 x 6 mm



MV-QA / kV-QA

MV Line pairs:	0.1, 0.2, 0.5, 1.0 ± 0.025 mm
kV Line pairs:	0.6, 1.2, 1.8, 2.4 ± 0.01 mm
MV ROI:	9 (4 spatial, 4 contrast, 1 center)
kV ROI:	28 (4 spatial, 23 contrast, 1 center)
MV Dimensions: (L x W x D)	127 x 102 x 25 mm
kV Dimensions: (L x W x D)	127 x 127 x 16 mm



**YOUR MOST VALUABLE QA &
DOSIMETRY TOOLS**

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