RadMachine

AUTOMATED MACHINE QA SOFTWARE

Perform QA View which test lists are due or coming of	due soon.				9 Incomp	lete Return to Service	All Assignments
Showing 1 to 24 of 24 entries							
L는 Test List/Cycle Q	1 Due Date Q	1 Site Q	追 Unit Q	$\downarrow_{\underline{L}}^{\underline{L}}$ Frequency Q	1 Assigned To Q	1 Completed Q	Pass/Fail Status
Daily QA	a 28 Apr 2022	Main Campus	TrueBeam 1 (3321)	Daily	Physicist	21 hours ago	 ○ 3 Not Done ○ 6 OK ● 2 Tolerance
DailyQA3 :: 15MV	a 20 Apr 2022	Main Campus	TrueBeam 1 (3321)	Daily	Therapist	1 week, 1 day ago	O 4 Not Done 01 OK
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Linac Output (Other Test List)	1 May 2022	Main Campus	TrueBeam 1 (3321)	Monthly, 1st	Physicist	2 weeks, 5 days ago	© 1 0K
Linac Output (Unit Attribute)	1 May 2022	Main Campus	TrueBeam 1 (3321)	Monthly, 1st	Physicist	2 weeks, 2 days ago	© 1 0K

Intelligent Automation in Radiation Oncology

RAD formation

Your data. Your way.

At Radformation, we understand the clinic. We've been there, and we know what machine QA looks like. In our experience, it typically involves a few expensive phantoms and way too many spreadsheets.

But we can do better.

RadMachine is an automated machine QA platform that allows you to access all your data on a unified, cloud-based platform. Regardless of workflow—from simple to complex—RadMachine allows users to perform, review, and track multiple QA data streams all at once.

Because no two departments are alike, we've included customization options—like Python scripting integration—for maximum flexibility in unique environments. Speaking of versatility, RadMachine is vendorneutral, and capable of managing virtually any combination of data and vendor solutions. With additional built-in features like test scheduling, asset management, and service tracking, RadMachine elevates the standard for QA.

Rethink your approach to QA. Bring it all together with RadMachine.

RadMachine

Comprehensive Machine QA Platform



Daily, Weekly, Monthly, Annual QA



Integrated Image Analysis





Cloud-based, No Hardware



Vendor and Device Agnostic



Trending



Event, Fault, and Service Logging

Convenient Platform Integrates Data Beyond Just Linacs

Say goodbye to spreadsheets and siloed data. RadMachine meets all your QA needs in a simple, centralized cloud-based hub. More than just a TG-142 platform, RadMachine is capable of integrating your data for anything worth tracking, from daily QA and CT simulator data to ancillary equipment such as ion chambers and GM meters. Keep tabs on the whole department's QA schedule with built-in scheduling and asset management functionality.

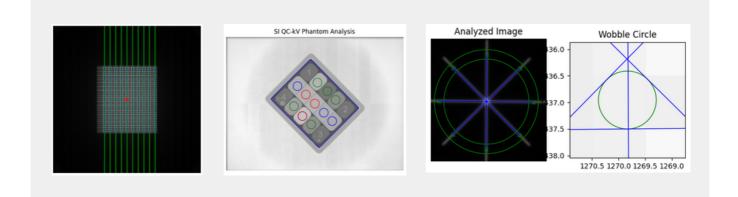
Come One, Come All

RadMachine is vendor agnostic. No matter the configuration, RadMachine is capable of bringing everything together in one location.

- ✓ Therapy Machines: Linacs, HDR, Tomotherapy, CyberKnife, and more
- ✓ Imaging Devices: CT, MR, Ultrasound, etc.
- Ancillary Equipment: Ion Chambers, Diodes, GM Meters, and more

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Inline Integrated Image Analysis

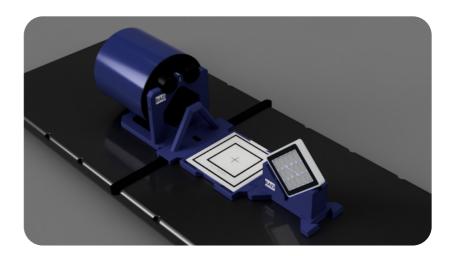


A full suite of image analysis tools makes short work of all your favorite tests, from picket fence and Winston-Lutz to MV and kV image quality, providing what you need to fulfill task group recommendations. Our analysis supports phantoms from all major vendors.

Can we automate it? Of course. RadMachine can automatically upload images from a file directory or ARIA® for touchless analysis, and can easily pull QA results from Daily QA[™]3 and Machine Performance Check.

Radformation's Modular Phantom Jig

Radformation's modular phantom jig is designed to streamline image acquisition by allowing you to set up multiple phantoms at once. Accommodating most major phantom types, the configuration shaves time from your QA regimen by reducing the number of trips into the vault.





QA Tests

RadMachine comes pre-loaded with TG-142 and TG-51 templates and is also capable of handling any tests or data to accommodate your department's unique needs.

Daily	Morning QA (Linac, CT, HDR, etc.), Machine Performance Check, Daily QA3, and more.
Monthly	Dose output, Image Analysis (Winston Lutz, Picket Fence, CatPhan, VMAT, etc.), MLC, Mechanical, CT, and more.
Annual	Profile Analysis, Starshots, TG-51 Output, Collimator/Couch/Gantry Rotation Isocenter, MU Linearity, MV/MeV Output Factors, and more.

Custom Schedules

With all that happens in the department, it's easy to lose track of important dates and deadlines. With RadMachine, it's easy to stay on track, with the ability to schedule QA tests, service events, device calibration, and more. By creating a testing schedule complete with reminders, organizing all the department's activities has never been simpler.

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yQA3 :: 15MV	20 Apr 2022	Main Campus	TrueBeam 1 (3321)	Daily	Therapist	1 week, 1 day ago	O 4 Not Done O 1 0K	C Reviewed
C Beam Check ::: 6 MV	26 Apr 2022	Main Campus	TrueBeam 1 (3321)	Daily	Therapist	2 days, 11 hours ago	© 3 OK	Reviewed
C Beam & Geometry	🖿 26 Apr 2022	Main Campus	TrueBeam 1 (3321)	Daily	Therapist	2 days, 11 hours ago	© 192 0K	Reviewed
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ac Output (Other Test List)	1 May 2022	Main Campus	TrueBeam 1 (3321)	Monthly, 1st	Physicist	2 weeks, 5 days ago	© 1 0K	O Unreviewed
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ac Output vs TG-51 vs DQA3	1 Jun 2022	Main Campus	TrueBeam 1 (3321)	Monthly, 1st	Physicist	22 hours ago	O 1 OK O 1 Tolerance X 1 Action	O Unreviewed
51 Output Calibration = 10 MV 21	30 Dec 2022	Main Campus	TrueBeam 1 (3321)	Annual, End of Year	Physicist	2 months, 2 weeks ago	© 6 OK	Reviewed
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a	1 Feb 2024	Main Campus	PTW 30014 (#3324)	Biennial	Physicist	1 week, 2 days ago		O Unreviewed
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Trending

RadMachine's interactive trending tools provide informative data and comparisons to keep your equipment in check.

Display data for individual tests or combine multiple data streams for insights into machine and device performance over time.

Reporting

Complete reports of all QA performed—including service events, image analysis, machine faults, and more—can be generated at scheduled intervals or created ad hoc.

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RadMachine provides physicists with up-to-date information for high-quality ongoing Machine QA.

With RadMachine, your department can...

- Consolidate all of your QA and device data into one centralized hub
- Customize testing and analysis to suit your unique needs
- ✓ Analyze routine image datasets to satisfy TG-142 recommendations
- Track machine faults, service maintenance and repairs, and more.

Schedule a Demo

RadMachine consolidates all of your QA data into one central location, accessible when and where you need it. With out-of-the-box functionality in addition to robust customization options, RadMachine is the QA platform that finally renders spreadsheets obsolete.

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