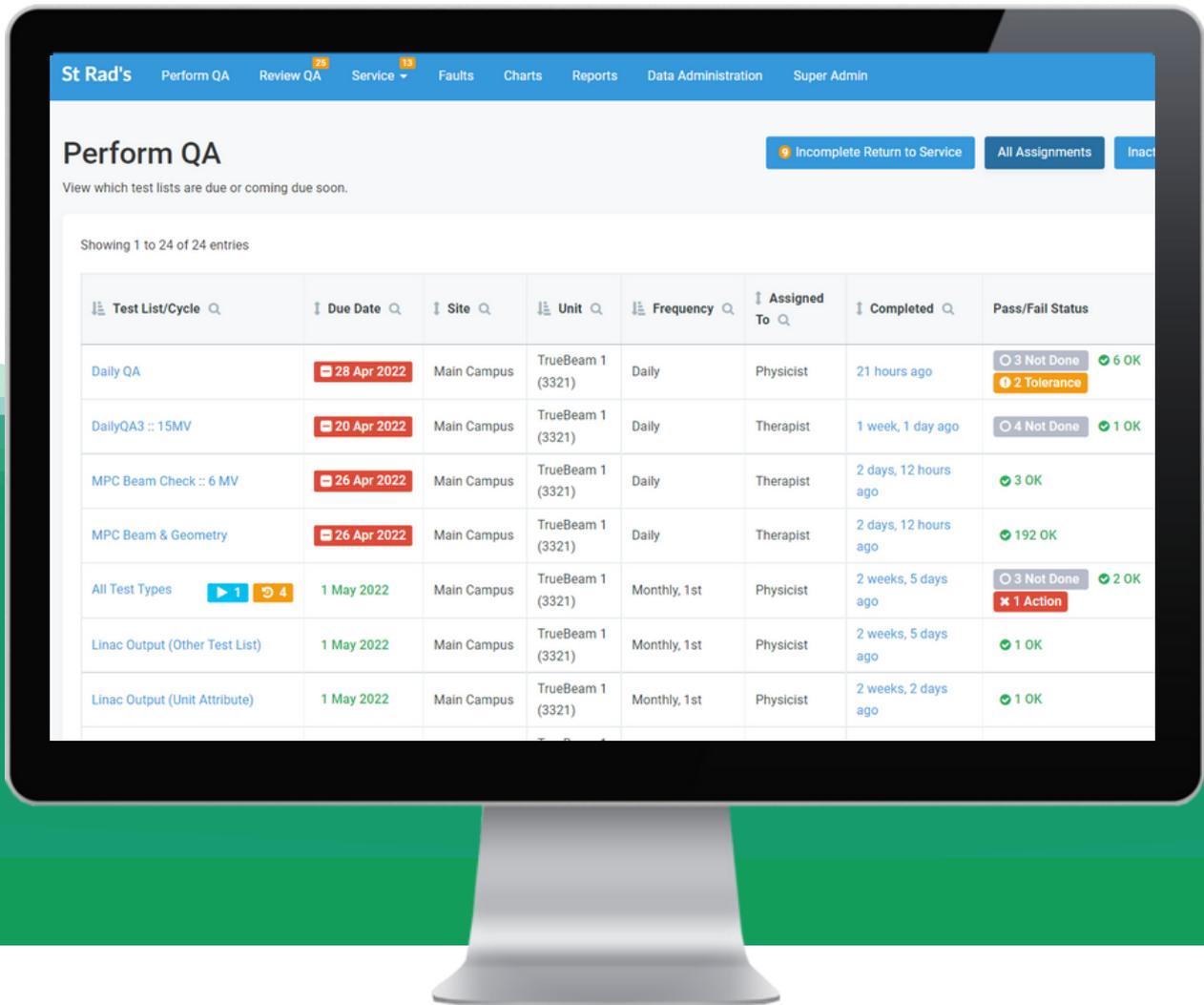




RadMachine

AUTOMATED MACHINE QA SOFTWARE



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 vendor-neutral, 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



Vendor and Device
Agnostic



Integrated Image
Analysis



Trending



Automated and
Scheduled Reports



Multidisciplinary



Cloud-based, No
Hardware



Event, Fault, and
Service Logging

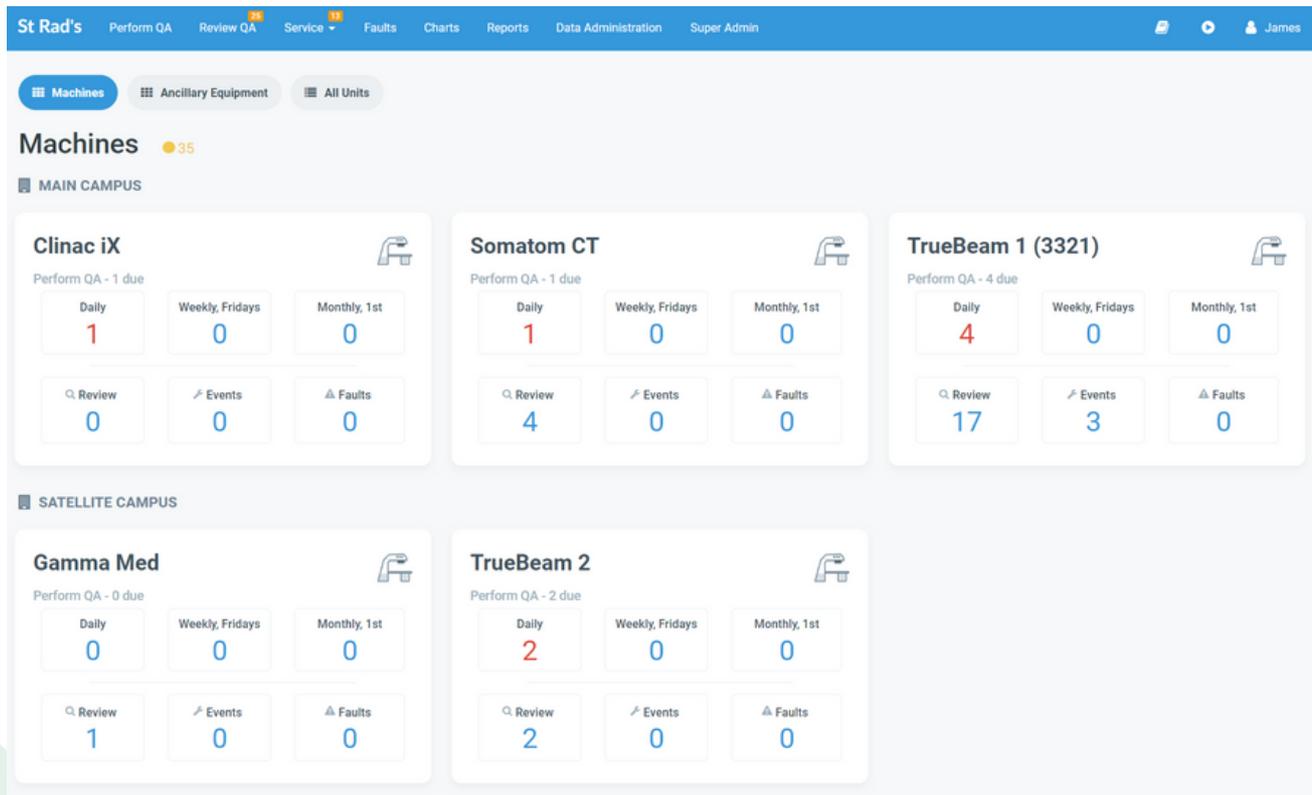
Convenient Platform Integrates Data Beyond Just Linacs

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.

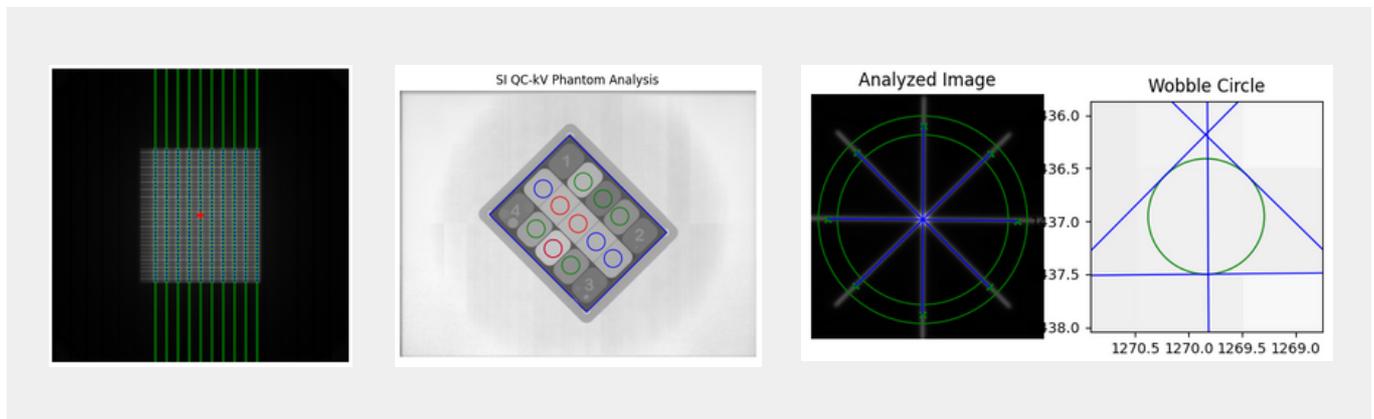
Come One, Come All

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**



Inline Integrated Image Analysis

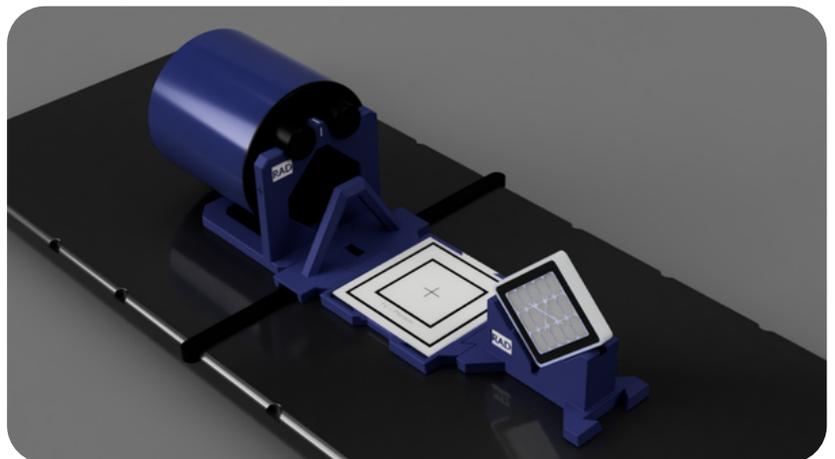


A full suite of image analysis tools makes short work of all your favorite tests, from picket fence and Winston-Lutz to MV and kV image quality, providing what you need to fulfill task group recommendations. Our analysis supports phantoms from all major vendors.

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.

Test List/Cycle	Due Date	Site	Unit	Frequency	Assigned To	Completed	Pass/Fail Status	Review Status
Daily QA	28 Apr 2022	Main Campus	TrueBeam 1 (3321)	Daily	Physicist	21 hours ago	2 Not Done, 6 OK, 2 Tolerance	Reviewed
DailyQA3 - 15MV	20 Apr 2022	Main Campus	TrueBeam 1 (3321)	Daily	Therapist	1 week, 1 day ago	4 Not Done, 1 OK	Reviewed
MPC Beam Check - 6 MV	26 Apr 2022	Main Campus	TrueBeam 1 (3321)	Daily	Therapist	2 days, 11 hours ago	3 OK	Reviewed
MPC Beam & Geometry	25 Apr 2022	Main Campus	TrueBeam 1 (3321)	Daily	Therapist	2 days, 11 hours ago	192 OK	Reviewed
All Test Types	1 May 2022	Main Campus	TrueBeam 1 (3321)	Monthly, 1st	Physicist	2 weeks, 5 days ago	3 Not Done, 2 OK, 1 Action	Unreviewed
Linac Output (Other Test List)	1 May 2022	Main Campus	TrueBeam 1 (3321)	Monthly, 1st	Physicist	2 weeks, 5 days ago	1 OK	Unreviewed
Linac Output (Unit Attribute)	1 May 2022	Main Campus	TrueBeam 1 (3321)	Monthly, 1st	Physicist	2 weeks, 2 days ago	1 OK	Unreviewed
Linac Output vs TG-51 vs DQA3	1 Jun 2022	Main Campus	TrueBeam 1 (3321)	Monthly, 1st	Physicist	22 hours ago	1 OK, 1 Tolerance, 1 Action	Unreviewed
TG-51 Output Calibration - 10 MV	30 Dec 2022	Main Campus	TrueBeam 1 (3321)	Annual, End of Year	Physicist	2 months, 2 weeks ago	6 OK	Reviewed
Excel	Not Due	Main Campus	TrueBeam 1 (3321)	Ad Hoc	Physicist	1 week, 2 days ago	1 OK	Reviewed
ADCL	1 Feb 2024	Main Campus	PTW 30014 (#3324)	Biennial	Physicist	1 week, 2 days ago		Unreviewed
Daily QA	6 Apr 2022	Main Campus	Somatom CT	Daily	Therapist	New List	New List	New List
TG-66 CT Monthly (CatPhan Analysis)	1 May 2022	Main Campus	Somatom CT	Monthly, 1st	Physicist	1 week, 2 days ago	10 OK	Unreviewed
HDR Afterloader Pre-patient	Not Due	Satellite Campus	Gamma Med	Ad Hoc	Physicist	1 week, 2 days ago	10 OK	Unreviewed
Daily QA	6 Apr 2022	Main Campus	Clinac IX	Daily	Therapist	New List	New List	New List
Daily QA	6 Apr 2022	Satellite Campus	TrueBeam 2	Daily	Therapist	New List	New List	New List
DailyQA3 Beam Check - 6MV	13 Apr 2022	Satellite Campus	TrueBeam 2	Daily	Therapist	2 weeks, 1 day ago	4 Not Done	Reviewed
MPC Beam Check - 6 MV	Not Due	Satellite Campus	TrueBeam 2	Daily	Therapist	New List	New List	New List



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.

The screenshot shows the 'Reports' configuration page on the left and a 'Report Preview' on the right. The configuration page includes fields for Title, Report Type, Report Format, Visible To, Signature, and Report Filters (Work Completed, Site, Unit, Frequency, Assigned To). The report preview shows 'RadMachine Reports' for 'Test List Instance Summary' with report information, filter details, and a table of results for 'Main Campus'.

Unit	Test List	Due Date	Work Completed	Pass/Fail Status
TB 1	Daily Linac QA	03 Nov 2020	01 Jan 2021	21
TB 1	Daily Linac QA	03 Nov 2020	02 Jan 2021	20
TB 1	Daily Linac QA	03 Nov 2020	03 Jan 2021	21
TB 1	Daily Linac QA	03 Nov 2020	04 Jan 2021	21
TB 1	Daily Linac QA	03 Nov 2020	05 Jan 2021	21
TB 1	Daily Linac QA	03 Nov 2020	06 Jan 2021	21
TB 1	Daily Linac QA	03 Nov 2020	07 Jan 2021	20
TB 1	Daily Linac QA	31 Oct 2020	08 Jan 2021	21
TB 1	Daily Linac QA	09 Jan 2021	24 Jan 2021	7
TB 1	Daily Linac QA	25 Jan 2021	01 Nov 2021	6
TB 1	Daily Linac QA	02 Nov 2021	06 Dec 2021	7

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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RAD formation

www.radformation.com

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