# 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	<ul> <li>○ 3 Not Done</li> <li>○ 6 OK</li> <li>● 2 Tolerance</li> </ul>
DailyQA3 :: 15MV	a 20 Apr 2022	Main Campus	TrueBeam 1 (3321)	Daily	Therapist	1 week, 1 day ago	O 4 Not Done 01 OK
MPC Beam Check :: 6 MV	a 26 Apr 2022	Main Campus	TrueBeam 1 (3321)	Daily	Therapist	2 days, 12 hours ago	<b>©</b> 3 0K
MPC Beam & Geometry	a 26 Apr 2022	Main Campus	TrueBeam 1 (3321)	Daily	Therapist	2 days, 12 hours ago	© 192 OK
All Test Types 🕨 1 🥑 4	1 May 2022	Main Campus	TrueBeam 1 (3321)	Monthly, 1st	Physicist	2 weeks, 5 days ago	O 3 Not Done 2 0K × 1 Action
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.

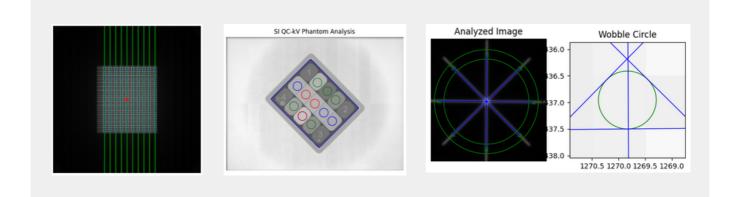
#### Come One, Come All

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

ii Machines ii	II Ancillary Equipment	I All Units						
achines	•35							
MAIN CAMPUS								
Clinac iX erform QA - 1 due		F	Somatom C	т	F	TrueBeam		F
Daily 1	Weekly, Fridays	Monthly, 1st	Daily 1	Weekly, Fridays	Monthly, 1st	Daily 4	Weekly, Fridays	Monthly, 1st
় Review	≁ Events	A Faults	Q Review	≁ Events	A Faults	۹ Review 17	≁ Events 3	A Faults
SATELLITE CAM	IPUS							
Gamma Me erform QA - 0 due	d	F	TrueBeam 2 Perform QA - 2 due	2	F			
Daily	Weekly, Fridays	Monthly, 1st	Daily 2	Weekly, Fridays	Monthly, 1st			
্ Review	≁ Events	A Faults	Q Review 2	≁ Events	A Faults			

#### **Inline Integrated Image Analysis**

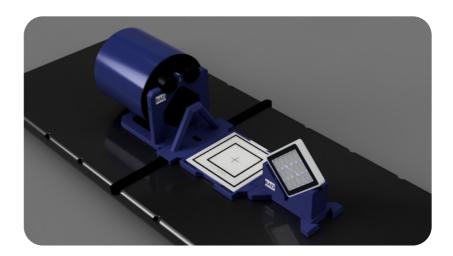


A full suite of image analysis tools makes short work of all your favorite tests, from picket fence and Winston-Lutz to MV and kV image quality, providing what you need to fulfill task group recommendations. Our analysis supports phantoms from all major vendors.

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<sup>™</sup>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.

( O )								
form QA ich test lists are due or coming due soon.							Incomplete Return to Service All Assi	gnments Inactive Assig
on rest lists are due or coming due soon.								_
ing 1 to 24 of 24 entries								Previous 1
Test List/Cycle Q	📱 Due Date 🔍	I Site Q	II Unit Q	II Frequency Q	1 Assigned To Q	I Completed Q	Pass/Fail Status	Review Status
ly QA	28 Apr 2022	Main Campus	TrueBeam 1 (3321)	Daily	Physicist	21 hours ago	O 3 Not Done 06 0K 02 Tolerance	C Reviewed
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
Test Types 🕨 1 😒 4	1 May 2022	Main Campus	TrueBeam 1 (3321)	Monthly, 1st	Physicist	2 weeks, 5 days ago	O 3 Not Done O 2 0K x 1 Action	O Unreviewed
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
ac Output (Unit Attribute)	1 May 2022	Main Campus	TrueBeam 1 (3321)	Monthly, 1st	Physicist	2 weeks, 2 days ago	© 1 0K	O Unreviewed
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
# <b>1</b>	Not Due	Main Campus	TrueBeam 1 (3321)	Ad Hoc	Physicist	1 week, 2 days ago	© 1 0K	C Reviewed
a	1 Feb 2024	Main Campus	PTW 30014 (#3324)	Biennial	Physicist	1 week, 2 days ago		O Unreviewed
y QA	🚍 6 Apr 2022	Main Campus	Somatom CT	Daily	Therapist	New List	New List	New List
66 CT Monthly (CatPhan Analysis) 31	1 May 2022	Main Campus	Somatom CT	Monthly, 1st	Physicist	1 week, 2 days ago	© 10 0K	O Unreviewed
R Afterloader Pre-patient	Not Due	Satellite Campus	Gamma Med	Ad Hoc	Physicist	1 week, 2 days ago	© 10 0K	O Unreviewed
y QA	🚍 6 Apr 2022	Main Campus	Clinac IX	Daily	Therapist	New List	New List	New List
aily QA	🖬 6 Apr 2022	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.

	OI analysis and many							
and run reports of	un, service events, and more.							
Configuration		Rej	port Preview					
oose a report type a ort you want to gen	nd then use the Report Filters to configure the wate.							
Currently Editing	Test List Instance Sumn 🗶 🛢							
* Title	Test List Instance Summary		RadN	lachine Re	ports		RAD	ormation
* Report Type	Test List Instance Summary 💡		Test List Inst	ance Summary				ormation
* Report Format	PDF +		Report Informa	tion ::		Filter Details ::		
Visible To	Therapists yet another group new group test Physics			Generated: 25 Mar 2022 View on site: Test List Ins Description: This report I Instances fr	tance Summary ists all Test List om a given time		Dec 202 Site(s): Unit(s): Main Ca Campus	mpus - TB 1, Main
	Select groups who will be able to view and run this report. Leave blank to keep it private.			period for se	ected sites, units,		encies: ned To:	
	Signature			frequencies,	and groups.	Assig		
Notes			Main C	ampus	and groups.	Assig		
	Signature Signature Field At End Of PDFs?		Main C		and groups.	Assig Due Date	Work Completed	Pass/Fail Status
	Signature Signature Field At End Of PDFs?			Campus	and groups.		Work	
Notes eport Filters Work Completed	Signature Signature Field At End Of PDFs?		Unit	Test List	and groups.	Due Date	Work Completed	Status
eport Filters	Spature Field At Ind Of PDFe?		Unit TB 1	Test List Daily Linac QA	and groups.	Due Date 03 Nov 2020	Work Completed 01 Jan 2021	Status © 21
eport Filters	Signature Hel Ad Ead of Porse  Add Note  Last Year  Dates to include QA data from		Unit TB 1 TB 1	Campus Test List Daily Linac QA Daily Linac QA	and groups.	Due Date 03 Nov 2020 03 Nov 2020	Work Completed 01 Jan 2021 02 Jan 2021	Status © 21 © 20 01
eport Filters Work Completed	Signature Signature Tell At Dod Of POPs*  Add Note  Last Year		Unit TB 1 TB 1 TB 1	Campus Test List Daily Linac QA Daily Linac QA Daily Linac QA	and groups.	Due Date           03 Nov 2020           03 Nov 2020           03 Nov 2020	Work Completed 01 Jan 2021 02 Jan 2021 03 Jan 2021	Status © 21 © 20 01 © 21
eport Filters Work Completed	Comparemental AF About Of FORUM  Sequence Table AF About Of FORUM  Add Noce  Last Year  Dates to include QA data from  Use this fiber to joint report to one or more sites		Unit TB 1 TB 1 TB 1 TB 1 TB 1	Campus Test List Daily Linac QA	and groups.	Due Date           03 Nov 2020           03 Nov 2020           03 Nov 2020	Work Completed           01 Jan 2021           02 Jan 2021           03 Jan 2021           04 Jan 2021	Status 21 20 01 021 021 021
eport Filters Work Completed Site	Signature     Signature     Transformed Ad topol (FIPIs's     Add Note      Add Note      Last Year  Dates to includer QA data from      Use this limit report to one or more afters      prever table to include at lating		Unit TB 1 TB 1 TB 1 TB 1 TB 1 TB 1	Test List           Daily Linac QA           Daily Linac QA	and groups.	Due Date           03 Nov 2020	Work Completed           01 Jan 2021           02 Jan 2021           03 Jan 2021           04 Jan 2021           05 Jan 2021	Status           0 21           0 20         01           0 21           0 21           0 21           0 21           0 21
eport Filters Work Completed Site	Add Note     Man Campus : 11 1		Unit TB 1 TB 1 TB 1 TB 1 TB 1 TB 1	Test List Daily Linac OA	and groups.	Due Date           03 Nov 2020	Work Completed           01 Jan 2021           02 Jan 2021           03 Jan 2021           04 Jan 2021           05 Jan 2021           05 Jan 2021           05 Jan 2021	Status           0 21           0 20         031           0 21           0 21           0 21           0 21           0 21           0 21
eport Filters Work Completed Site Unit	Beginser     Beginser     Beginser     Beginser     Add Noted CPDIN     Comparison     Add Note      Lett Vear      Deter to includer GA data from      Lett Vear      Man Compone 119		Unit TB 1 TB 1 TB 1 TB 1 TB 1 TB 1 TB 1 TB 1	Campus  Test List  Daily Linac OA	and groups.	Due Date           03 Nov 2020	Work           Completed           01 Jan 2021           02 Jan 2021           03 Jan 2021           04 Jan 2021           05 Jan 2021	Status           © 21           © 20           © 21           © 21           © 21           © 21           © 21           © 21           © 21           © 21           © 21
eport Filters Work Completed Site	Compared and At the of OFOre's     Compared and At the ofOre's		Unit 181 781 781 781 781 781 781 781 781	Test List Test List Daily Linac DA	and groups.	Due Date           03 Nov 2020	Work           Completed           01 Jan 2021           02 Jan 2021           03 Jan 2021           04 Jan 2021           05 Jan 2021           06 Jan 2021           07 Jan 2021	Status           © 21           © 20         0.1           © 22           © 31
eport Filters Work Completed Site Unit	Signature     Industry held for dif (FIG):     Add hote      Add hote      Lest Year      Dates to include QA data from      Lust Signature (Add atta from      Lust Signatta from      Lust Signature (Add atta from      Lu		Lunit T8 1 T8 1 T8 1 T8 1 T8 1 T8 1 T8 1 T8 1	Test List Dely Linac OA	and groups.	Due Date           03 Nov 2020           03 Nov 2020           03 Nov 2020           03 Nov 2020           04 Nov 2020           05 Nov 2020           00 Nov 2020           00 Nov 2020           01 Nov 2020           02 Nov 2020           03 Nov 2020	Work           Completed           01 Jan 2021           02 Jan 2021           03 Jan 2021           04 Jan 2021           05 Jan 2021           06 Jan 2021	Status           Ø 21           Ø 20         Ø 31           Ø 21         Ø 21           Ø 21         Ø 31           Ø 21         Ø 31

# 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.

info@radformation.com



www.radformation.com

RMLPT220427