

## SunCHECK Platform

Select Features	Practical Application
Action-oriented dashboard	<ul style="list-style-type: none"> <li>Overview of Patient and Machine QA actions                             <ul style="list-style-type: none"> <li>Results/review for patient data</li> <li>Due, pending and approved Machine and Patient QA tasks</li> </ul> </li> <li>Easy approval mechanisms, right from the dashboard</li> </ul>
Common navigation mechanisms between Patient and Machine workflows	<ul style="list-style-type: none"> <li>Consistent user experience across the platform</li> </ul>

## SunCHECK Patient

Select Features	Practical Application
PlanCHECK Module <ul style="list-style-type: none"> <li>Physics Checks</li> <li>Dosimetric Checks</li> </ul>	<ul style="list-style-type: none"> <li>Automated workflows for treatment plan validation and rules-based checks</li> <li>Easy identification of deviations with user-defineable pass/fail results</li> <li>Automated, comprehensive structure-based checks, including dose/volume metrics compared to user-definable constraints</li> <li>Complete patient QA record in a single platform</li> </ul>
ArcCHECK direct device integration	<ul style="list-style-type: none"> <li>Array based Pre-Treatment QA support, complementing phantomless offerings -- and providing optimal, unmatched flexibility for Patient QA</li> <li>Efficient audit QA</li> <li>Improved root cause analysis</li> </ul>
Independent Patient QA for Varian Medical Systems® Halcyon™ System	<ul style="list-style-type: none"> <li>First commercially-available solution for secondary dose calculations</li> <li>Log file-based Pre-Treatment QA</li> <li>Log file-based In-Vivo Monitoring</li> </ul>
Transit Dosimetry <ul style="list-style-type: none"> <li>2D absolute dose for Fraction N</li> <li>Streamlined calibration process</li> </ul>	<ul style="list-style-type: none"> <li>Fully independent absolute dosimetric QA of patient treatments, using only calibrated EPID data</li> <li>Ability to verify setup and first fraction against plan (74% of errors occur in first fraction – Bojchko et al, Med Phys)</li> <li>Patient position, movement and anatomy inherently included in analysis</li> <li>Makes true dosimetric In-Vivo Monitoring clinically feasible</li> <li>For European Union, supports required compliance with 2013/59/ EURATOM – Article 83</li> </ul>
Universal Metrics <ul style="list-style-type: none"> <li>“Plug and Play” metrics - no customization needed</li> <li>Use for each phase of Patient QA</li> <li>May apply &gt;1 metric set to QA simultaneously</li> </ul>	<ul style="list-style-type: none"> <li>Simpler, more automated assessment of all Patient QA results</li> <li>Works relative to approved treatment plan, eliminating the need for adjustment or customization for each patient</li> <li>Instantly analyze the impact of different metric criteria sets, including dose coverage and limits, and quickly switch criteria</li> </ul>

## SunCHECK Patient (cont.)

Select Features	Practical Application
Consistent Event Summary Display <ul style="list-style-type: none"> <li>Target and OAR gamma dose metrics displays in a single view</li> <li>Across all phases of Patient QA</li> </ul>	<ul style="list-style-type: none"> <li>View Points, Beams, Targets, OARs, Overall Gamma, DVH, and Images in a single navigable view</li> <li>Auto identification of Targets and OARs</li> </ul>
3D secondary dose calculations for conventional linacs, Varian ICVI and BrainLab Stereotactic Cone Systems, Varian Medical Systems® Halcyon™ System and Monte-Carlo based TomoTherapy® and Radixact® support	<ul style="list-style-type: none"> <li>Complete 3D secondary dose calculations for Varian Medical Systems® Halcyon™ System and TomoTherapy in the same system used for conventional linacs                             <ul style="list-style-type: none"> <li>Eliminate need for standalone solution</li> </ul> </li> </ul>
3D TG-43-compliant HDR Brachytherapy secondary dose calculation support	<ul style="list-style-type: none"> <li>Complete 3D secondary dose calculations for HDR brachytherapy in the same platform used for conventional linacs, bore-based, and TomoTherapy systems</li> </ul>

## SunCHECK Machine

Select Features	Practical Application
Comprehensive Daily, Monthly and Annual QA <ul style="list-style-type: none"> <li>Standard and complete TG-142 and DIN templates for Daily, Monthly, Annual QA</li> <li>User-friendly editing or creation of customized QA templates/tasks</li> <li>Share QA templates across machines and centers</li> <li>Automated imaging, MLC, and VMAT QA task integration</li> </ul>	<ul style="list-style-type: none"> <li>Get up and running quickly with complete and detailed templates</li> <li>No need for spreadsheets!</li> <li>Reduce QA delays, contributing to increased Patient Safety</li> <li>Set QA to standards, or customize to your own specific requirements</li> <li>Ensure consistency across your enterprise</li> </ul>
Daily QA 3, IC PROFILER and IC PROFILER™- MR direct device integration	<ul style="list-style-type: none"> <li>Perform beam measurements for certain Daily, Monthly and Annual QA tasks with a quick one-step process</li> <li>Operate and save results in real-time--no uploads or file transfers</li> <li>Custom measurements supported with advanced mathematical formulae</li> </ul>
Fully TG-142/MPPG8 compliant	<ul style="list-style-type: none"> <li>Demonstrate compliance for accreditation purposes</li> </ul>
Flexible data trending	<ul style="list-style-type: none"> <li>See if a given parameter is moving towards an out-of-tolerance condition</li> <li>Opportunity for pro-active machine management</li> </ul>
Centralized data storage and flexible reporting	<ul style="list-style-type: none"> <li>Easy report retrieval for accreditation/compliance audits</li> <li>Meet documentation needs</li> <li>Embed images and files directly to QA tasks, standardizing data collection</li> </ul>

Visit [sunnuclear.com/suncheck](https://www.sunnuclear.com/suncheck) to request your demonstration.