

# Module: Automated Phantom QC for CT

Always Inspection Ready™

- Meet the latest TJC and ACR QC requirements
- Track key parameters, like water mean and standard deviation
- Improve fleet-wide consistency and QC sensitivity with optional phantom-based QC

## Centrally Manage CT QC with QC-Track<sup>®</sup>

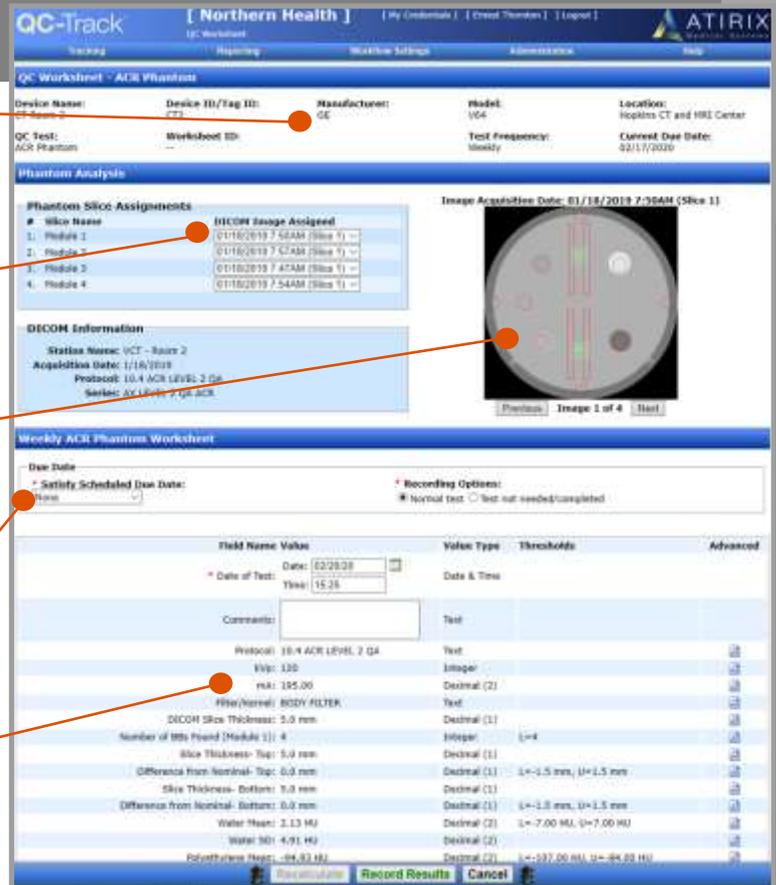
#1 Flexibly handles ACR, manufacturer, and custom phantoms

#2 Saves time by automatically assigning images to appropriate device and test based on DICOM header fields

#3 Ensures consistent ROI size and placement with automated, objective analysis

#4 Ensures QC is done on time every time with detailed scheduling and reminder emails

#5 Controls protocols and standardizes workflows across all imaging units



The screenshot shows an 'ACR CT Equipment QC' report. It features a table with columns for 'Date of Test', 'Technologist', 'QC Test', and 'Status'. The table contains multiple rows of test results, with some cells highlighted in green and others in red. Below the table, there is a 'Summary' section with various statistics and a 'Remarks' section with a detailed description of the test results.

## Reporting Capabilities

- ACR-format reports for ongoing physicist oversight, inspection, and accreditation renewal
- Dynamic reporting to support custom workflows
- Trend reporting to analyze performance over time
- Electronic sign-off to capture annual medical physicist sign off, as required by ACR

## Automated Phantom Analysis



- Phantom templates with ROIs and built-in functions
- DICOM tag analysis to pre-process images
- Automatically inserts phantom and DICOM data into QC-Track worksheets
- More sensitive to subtle equipment performance changes than visual assessment
- Supports range of phantoms, including manufacturer, ACR/Gammex 464, and Catphan

**Accurate:** manual data entry is substantially reduced

**Fast:** phantom processing in seconds

**Consistent:** same analysis and scoring used for all imaging units

**Powerful:** multi-slice operations

**Flexible:** built-in editor makes it easy to make phantom-specific and site-specific changes

## QC-Track: Complete Paperless QC Solution

With QC-Track, CT teams now have a system to help meet tracking, trending, and security requirements.

### Communication

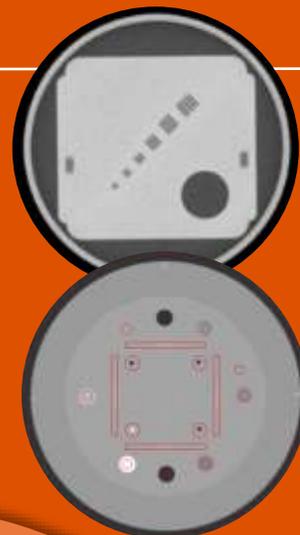
Emails keep the whole team aware of failed or overdue tests and warn if tests are approaching overdue status. Credential emails alert clinical staff to deficiencies and approaching renewal dates. Event and Document tracking centralize scheduling and emailing for physicist surveys, preventive maintenance, and service.

### Accountability

QC Dashboards clarify expectations, highlight issues, and encourage proper QC workflows, including full-circle failure follow-up.

### Security

On-prem packaging meets ever-stricter IT security requirements.



Interested? Contact us to learn more about Atrix QC solutions.

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Atrix products are covered by issued and pending patents, including US 8,478,610 "Medical Imaging Device Quality Control System and Method" and US 8,428,969 "System and Method for Tracking Imaging Quality"  
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## Upgrade to an Enterprise QCIS™

Start with QC-Track for CT, and then enhance your investment and be Always Inspection Ready™ across modalities, including modules for Mammo/FDA EQUIP and Ultrasound HLD/Exam traceability.