iba

Complete Machine QA

myQA Machines

# Your natural selection

## Platform based Machine QA

- ✓ Protocol based machine QA (including TG-142)
- ✓ Generic tests and customizable protocols
- ✓ Full coverage of tests with a flexible scheduling tool to manage your tasks, resources & time
- ✓ Comprehensive analysis, archiving, and reporting tools
- ✓ Interface to myQA Cockpit for quick and easy access to all QA results and trends

All results can be exported to reports, saved in the

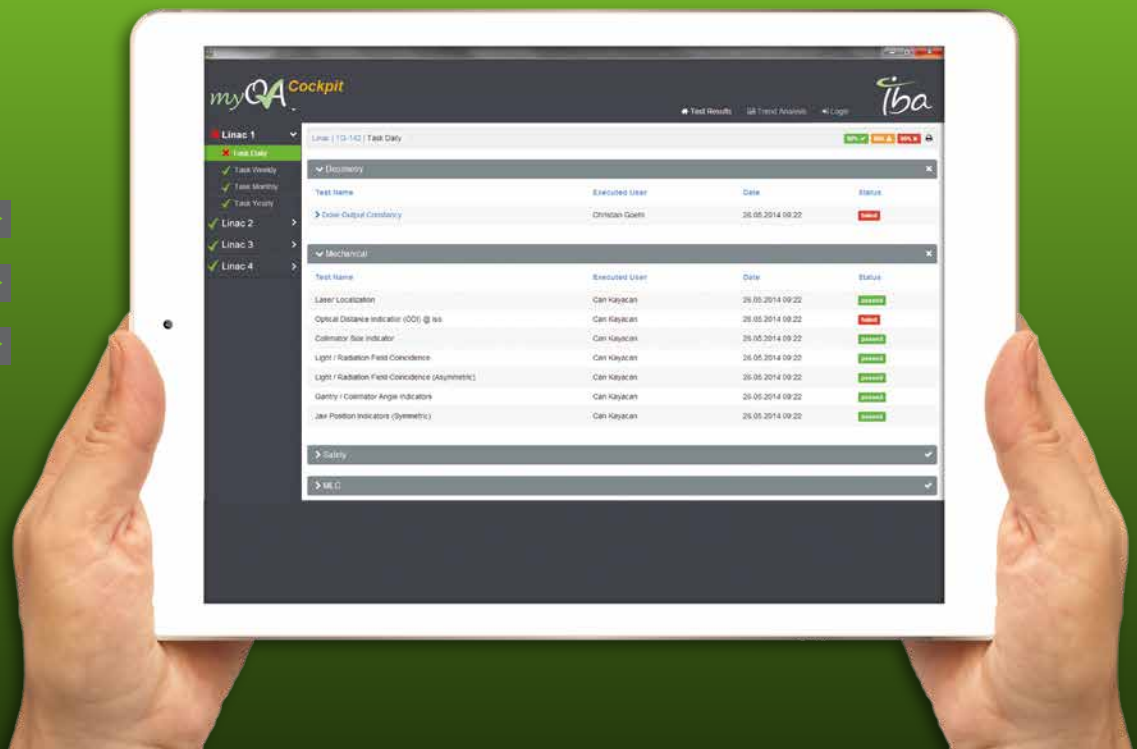
myQA **Central Database**

benchmarked in the

myQA CLOUD *

and are displayed in the

myQA Cockpit




1 **Test Setup**

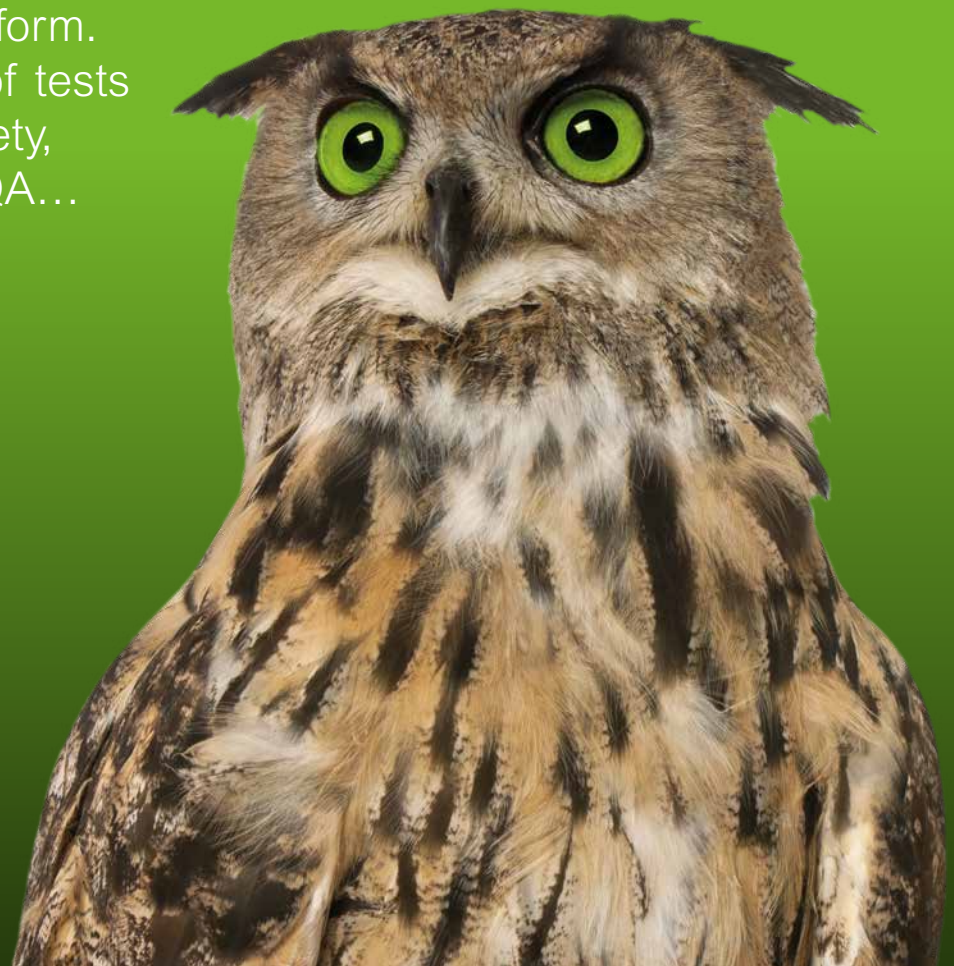
2 **Test Run**

3 **Test Archive**

*To be released mid-2015

# Your complete Machine QA solution

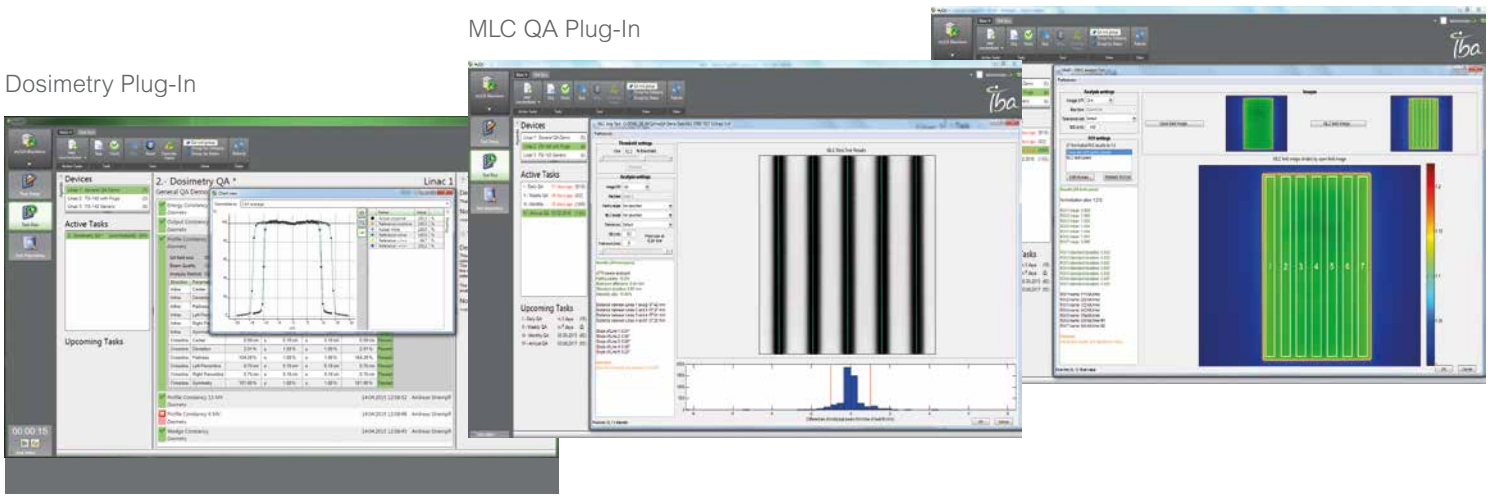
**myQA Machines**
is your complete protocol based machine QA on one platform. It offers a full coverage of tests related to dosimetry, safety, medical imaging, MLC QA… and more!



Dosimetry Plug-In

MLC QA Plug-In

VMAT QA Plug-In



myQA Machines offers plug-ins for all of your QA needs:

## Dosimetry Plug-In

- ✓ Perform automated dosimetry tests with the Star*Track** or MatriXX detectors
- ✓ Acquire all key beam parameters in just one shot (dose output, profile analysis, energy verification)
- ✓ Analysis of main axis and diagonals (field size, symmetry, flatness, center, penumbra, light field)

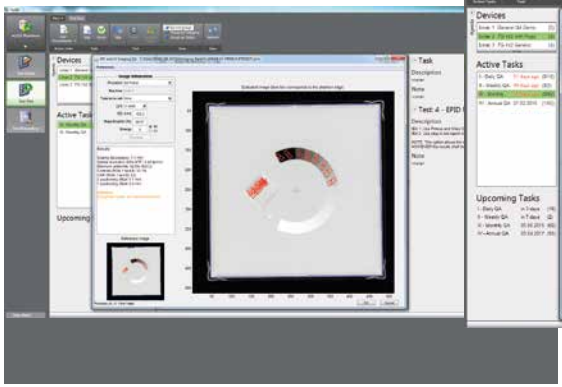
## MLC QA Plug-In

- ✓ Perform automated MLC stripe tests ('picket fence test')
- ✓ EPID images & films can be analyzed to determine leaf position accuracy & MLC transmission characteristics
- ✓ Identifies whether any leaf is not in tolerance and which leaf number failed
- ✓ Every pixel of every strip is fitted to a modified Lorentzian curve

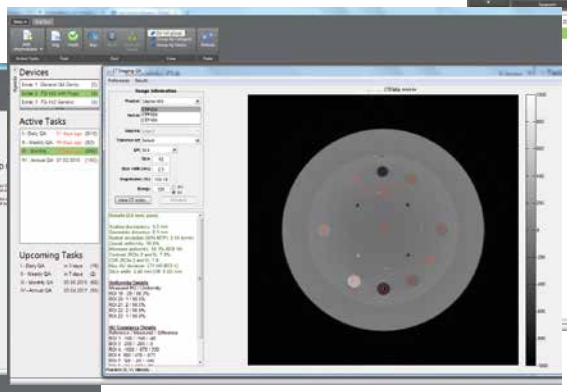
## VMAT QA Plug-In

- ✓ Perform automated dynamic MLC QA and VMAT QA
- ✓ Automatic test analysis to verify accurate dose delivery using different dose rates, gantry speeds, and MLC leaf speeds
- ✓ Ensures that the changing rates and speeds during delivery do not adversely affect the delivered dose

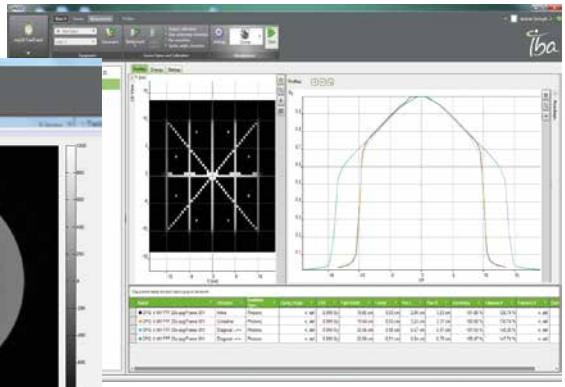
EPID QA Plug-In



CBCT QA Plug-In



Fast Track



## EPID QA Plug-In

- Perform automated imaging QA for planar imaging (kV and MV)
- Fully automatic with all calculations performed in 5 seconds or less
- Compatible with all common imaging phantoms

## CBCT QA Plug-In

- Perform automated imaging QA for CT and CBCT, including contrast, contrast to noise ratio, uniformity, HU deviation, spatial resolution, imaging scaling, and more!
- Compatible with all common imaging phantoms

## PLUS

myQA FastTrack

Measurement Application for Star*Track** and MatriXX

- Instant display of results and real-time analysis (e.g.For beam steering, start-up behavior)
- Allows the Linac technician to setup unscheduled tests
- Import and export of measurements (ASCII)
- Profile comparison

*“myQA has given me the ability to have full control of my data by connecting all QA applications onto one platform and into one central database.*

*This platform allows me to cross-check data from within the various softwares, and offers the unique opportunity to connect with peers from around the world and benchmark QA data using the myQA Cloud. With myQA, the quality assurance becomes schedulable - in every sense of the word. For example, right now I am programming QA activities after Linac interventions using subgroups from periodic QA tasks, according to technical service recommendations. Another highlight for me is the myQA Cockpit. This web-based dashboard will allow us to quickly retrieve machine QA status updates anywhere in the department. myQA is truly an all-in-one solution.”*

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