

The Iba logo is a white stylized script font on a green square background.

myQA<sup>®</sup>  
StarTrack<sup>3</sup>

# myQA StarTrack<sup>3</sup>

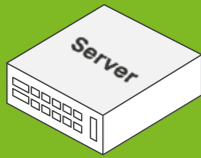
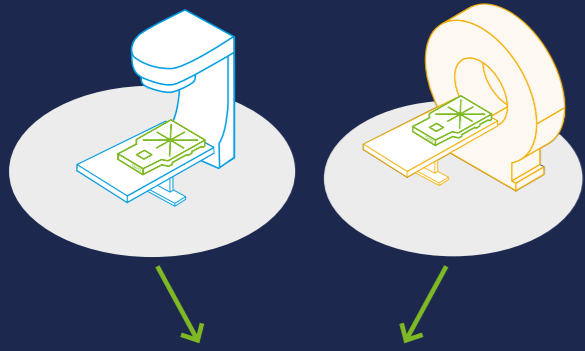
One setup. One detector. Complete beam insight.

- ✓ Water tank confidence, powered by a high-definition array
- ✓ Real-time beam steering with comprehensive field coverage
- ✓ Optimized QA workflow

# Efficiency & Accuracy

## Workflow simplicity

myQA StarTrack<sup>3</sup> is optimized for your workflow efficiency. Maximize productivity with fast, reliable results delivered in under five minutes, from setup to measurement and verification.



Easy comparison with commissioning data

Weekly, monthly, and annual Machine QA measurements

Real time measurements for beam tuning

Web-browser user interface



## Energy verification

and consistency ensured with delivered electron and photon energy verification plates

- Photon energy verification plate provides  $TPR_{20,10}$  value
- Electron energy verification plate provides R50 value
- In less than a minute

## RW3 build up material

41x41 cm<sup>2</sup> build-up plates available in 1-50 mm

## Machine QA measurements up to 34x34 cm<sup>2</sup> field size

Integrated energy check chambers for photon and electron beams

## Laser markers

for ease of device alignment and setup

## High resolution penumbra enabled for precise measurements

2.5 mm resolution center-to-center on field edges at 10x10, 20x20, and 30x30



- 9 central chambers for accurate dose reading
- 509 ionization chambers
- 5 mm center-to-center chamber distance on primary axes and 7.1 mm on diagonals

## myQA StarTrack<sup>3</sup> Software

provides a centralized, web-based repository for trendable QA data, accessible anytime, anywhere. Built-in Machine QA tests — such as automatic energy validation, light/radiation field coincidence, output constancy, and profile constancy — are available by default. Flexible analysis protocols allow beam profiles to be reviewed in relative, counts, or absolute modes.



## Light field check

QA test for quantitative results available in software

## Cutouts

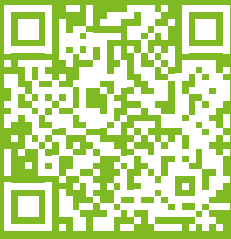
for convenient and secure device handling

## Wireless data exchange

for convenient cable-free workflow, and optional Ethernet LAN connection possible

## Rechargeable battery

ensures a fast setup between linacs



## myQA StarTrack<sup>3</sup> detector array

### Specifications

Field size / active measurement area [cm]	34 × 34
Number of ion chambers	509
Resolution [center-center distance] [mm]	<ul style="list-style-type: none"> <li>• 5.0 [main axes]</li> <li>• 2.5 [field edges]</li> <li>• 7.1 [diagonals]</li> </ul>
Detector / sensor type	Vented parallel plate ion chamber
Detector size / chamber size [mm]	3.2 × 2.0
Total chamber volume [mm <sup>3</sup> ]	16.08
Outer dimensions [L×W×H] [mm]	666 × 430 × 40
Array weight [kg]	9.8 [including battery]
Supported energies	Photons [FF/FFF] [MV]: 6/6 FFF, 10/10 FFF, 15, 18 Electrons [MeV]: 6, 9, 12, 15, 18
Power	Rechargeable battery incl. battery charger 9V power supply
Data transfer	Wireless or Ethernet

## myQA StarTrack<sup>3</sup> web-based application

### Specifications

Server installation [recommended]	<ul style="list-style-type: none"> <li>• Deployment on physical or virtual servers</li> <li>• Supported server operating system: Windows server 2022<sup>1</sup></li> <li>• HW resources: CPU: 4 cores/2 GHz recommended</li> <li>• Recommended operating system of the client machine is Windows 11<sup>1</sup></li> </ul>
Personal computer installation	<ul style="list-style-type: none"> <li>• Supported operating system: Windows 11<sup>1</sup></li> <li>• CPU: 2 cores/2 GHz recommended</li> </ul>
Server installation and personal computer installation	<ul style="list-style-type: none"> <li>• Disk space: 0.5 MB/measurement [200 GB recommended in typical cases]</li> <li>• RAM: 16 GB recommended.</li> <li>• Installation of MSSQL server [2022] is required</li> <li>• Supported transmission speed for network interface card: 10/100/1000 Base T</li> </ul>
The application is accessed with a web browser	<ul style="list-style-type: none"> <li>• Supported browsers: Microsoft Edge<sup>1</sup> [version 140 or newer], Google Chrome™ [version 140 or newer] and Mozilla Firefox<sup>2</sup> [version 143 or newer]</li> <li>• Recommended display resolution: 1920x1080, 100% scaling</li> </ul>

<sup>1</sup> Windows 11, Windows Server 2022 and Microsoft Edge are trademarks of the Microsoft group of companies.

<sup>2</sup> Firefox is a trademark of the Mozilla Foundation in the U.S. and other countries.

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