

MatriXX^{FFF}

Advanced QA Solution for Conventional
& Flattening-Filter-Free (FFF) Linacs

NEW

MatriXX^{FFF}

- ✓ **Flattening-Filter-Free proven**
- ✓ **Flexible**
- ✓ **Fast**



Key Benefits

➤ **FFF proven**

MatriXX^{FFF} supports currently available and anticipated high-dose-rate delivery systems including Varian, Elekta, Siemens

➤ **Flexible**

Dedicated for high-dose-rate (FFF) and conventional measurements.
Supports IMRT, rotational patient plan verification as well as Machine QA

➤ **Fast**

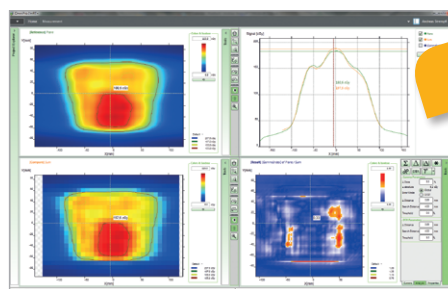
Optimized design for workflow efficiency from setup to measurements and analysis

MatriXX^{FFF}

Superior Design for Superior Performance



FFF Plan
Verification

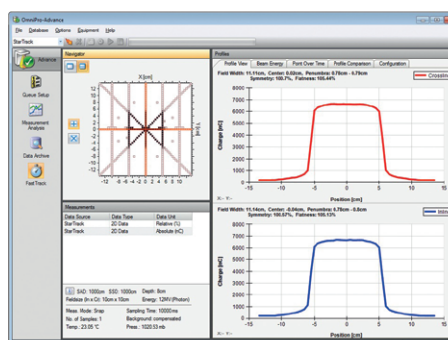


NEW

OmniPro-I'mRT+

- Central database
- Network-wide access
- Single / composite fields
- Global & local gamma

FFF
Machine QA



OmniPro-Advance

- Profile analysis
- Energy & dose output
- Wedge factor
- Trend analysis

Gantry Angle Sensor

Precise measurements of
Linac rotation for RapidArc™ / VMAT

- Measure dose per frame as a function of the gantry angle
- Automated correction of the angular dependency



Key Features

- Charge collection efficiency greater than 99% at 1.0 mGy/pulse (10MV FFF at 100cm SDD)
- Ready for the future: Supports today's and anticipated FFF applications
- Gantry Angle sensor for high accuracy in rotational cases

Specifications MatriXX^{FFF}

Number of Chambers and Type:	1020 vented pixel ionization chambers
Active Area:	24.4 x 24.4 cm ²
Sensor Layout:	Matrix in a plane arranged in a 32 x 32 cm grid
Pixel Distance:	7.62 mm center to center
Chamber Size:	4.5 (Ø) x 2 (h) mm, chamber volume 0.032 cm ³
Nominal Sensitivity:	1.4 nC/Gy
Minimum Dose Rate:	0.02 Gy/min
Maximum Dose Rate:	48 Gy/min
Effective Point of Measurement:	6 mm from surface
Water Equivalent Value:	6.4 mm
Accuracy of Gantry Angle Sensor:	+/- 0.6°

CONTACT

dosimetry-info@iba-group.com

Europe, Middle East, Africa | Tel.: +49 9128 607 0

North America, Latin America | Tel.: +1 901 386 2242

Asia Pacific | Tel.: +86 10 8080 9288

www.iba-dosimetry.com

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enhance
and save
lives

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