

# MatriXX<sup>FFF</sup>

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

NEW

## MatriXX<sup>FFF</sup>

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



### Key Benefits

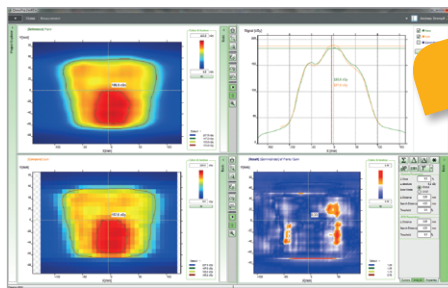
- **FFF proven**  
MatriXX<sup>FFF</sup> supports currently available and anticipated high-dose-rate delivery systems including Varian, Elekta, Siemens
- **Flexible**  
Dedicated for high-dose-rate (FFF) and conventional measurements.  
Supports IMRT, rotational patient plan verification as well as Machine QA
- **Fast**  
Optimized design for workflow efficiency from setup to measurements and analysis

# MatriXX<sup>FFF</sup>

## Superior Design for Superior Performance



FFF Plan Verification

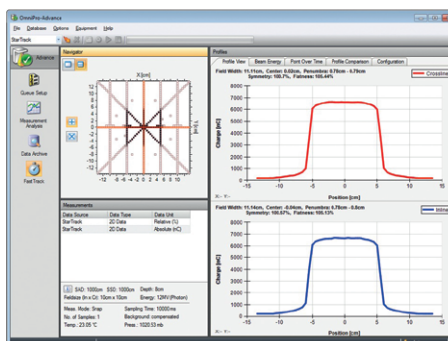


**NEW**

### OmniPro-l'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<sup>FFF</sup>

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

### CONTACT

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