Replaces Pre-Treatment Verification by introducing Efficient Online Monitoring and In-vivo Dosimetry

The innovative Delta⁴ Discover transmission detector provides confidence and patient safety based on real time measurements. Its outstanding accuracy and ease of use assures the highest efficiency in your patient QA.

The ultra-thin Delta⁴ Discover detector uniquely gives you:

- Highest resolution: independent verification of the MLC leaf position with sub-millimeter accuracy
- Uniquely low increase in skin dose to the patient ~ 1%*
- Beam attenuation very small, ~1%*, no change in characteristics and no need to recommission TPS data
- All parameters are obtained independent (logfile-free) from therapy machine
- Very high accuracy in dose measurements, accuracy better than 1.5%, very sensitive to finding errors (gamma at 1.5%, 1.5mm) better than 99%
- Maintained clearance. The detector fits within the anti-collision zone resulting in no reduced clearance
- Integrated dose delivered to the patient
- Interaction–free and verifies 3D dose and DVH in patient anatomy
- Light field and ODI visible

*6MV, 10 x 10 cm field
Delta⁴ Discover for Varian

Technical Specifications for Varian TrueBeam:

**Accuracy**
Dose measurements in prescription point Within 1.5%
MLC Positioning Determination (static MLC within the area covered by the detector) 95% within 1 mm

**Beam Attenuation**
Beam Attenuation About 1%¹
Increase of skin dose About 1%¹

**Detectors**
Total Number 4040
Diameter 1 mm (disc shaped)
Spacing 2.5 mm* (along MLC trajectories); 5 mm* (transverse to MLC trajectories)
Area Covered 195 x 250 mm²*
Type p-Si
Sensitivity Decrease (6MV beam) 1% / 25kGy

**Weight, Dimensions – Varian Version**
Dimension Diameter: 790 mm (Disc shaped); 23 mm from collimator surface
Weight 8.7 kg without batteries (0.5kg / battery)

¹6MV, 10 x 10 cm field
*When projected down to isocenter plane

Communication and Compatibility Matrix
Compatible with: Varian linacs with Millenium MLC™ and HD MLC, OPTIMIZED FOR Millenium collimator (5 mm spacing between detector arrays across the MLC)

Reduced Linac Clearance When Mounted It is within the zone of Varian’s laser guard collision detection system which means that the clinical clearance is maintained.
Varian TrueBeam: 6 mm from the top of the accessory pins, 23 mm from collimator surface

Linac’s Light Field Delta⁴ Discover can be extracted so that the linac’s light field is completely visible

Optical Distance Indicator The optical distance indicator is visible both when Delta⁴ Discover is extracted and in the normal position

Battery Operational Capacity >6 hours; Rechargeable Li ion battery – Charger is included

Technical specifications are subject to change without notice
™ Delta⁴ Discover is a trademark of ScandiDos AB (publ)
® TrueBeam is a registered trademark and Millenium MLC is a trademark of Varian Medical Systems, Inc.

*Not compatible with HyperArc.

Delta⁴ Discover and Varian Compatibility

<table>
<thead>
<tr>
<th>Detected</th>
<th>Compatible with Delta⁴ Discover</th>
<th>ADI Connection</th>
<th>Compatible Versions</th>
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</thead>
<tbody>
<tr>
<td>Truebeam</td>
<td>Yes*</td>
<td>Varian configuration needed</td>
<td>2.0 2.5 2.7</td>
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<tr>
<td>Truebeam STx</td>
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<tr>
<td>Edge</td>
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<td>VitalBeam</td>
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<tr>
<td>Clinac HE</td>
<td>Custom coding Interface needed</td>
<td>Varian configuration needed, Proper firewall needed (MICAP)</td>
<td>C-Series 9.1 4DITC v.13</td>
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<tr>
<td>Unique Trilogy</td>
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