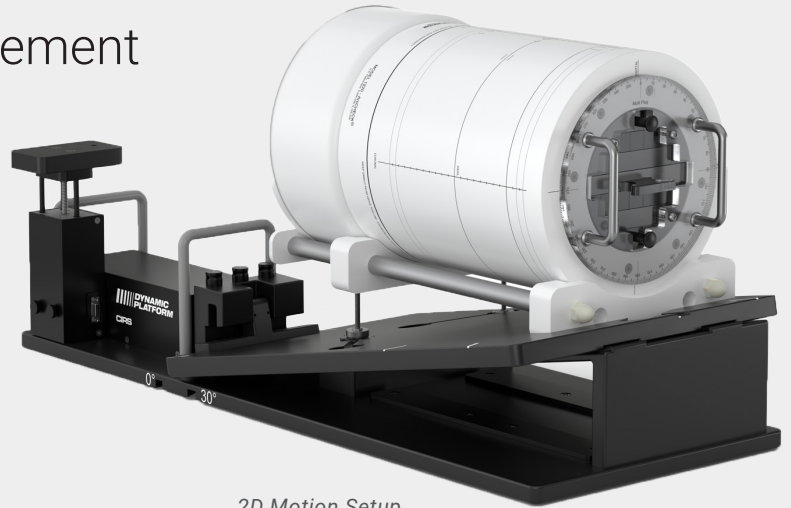


# MotionCHECK™ 3D

## Accurate QA of Motion Management Capable Delivery Systems

MotionCHECK 3D combines the Enhanced Dynamic Platform with the ArcCHECK® for quality assurance of systems that perform tumor tracking and gating, such as the Accuray Radixact® system with Synchrony®.



2D Motion Setup

### Features and Benefits

Enhanced Dynamic Platform:

- Easily set up for 1D, 2D or 3D motion QA
- Proven motion platform design and technology for sub-millimeter accuracy
- Lock-bar locations for 0- and 30-degree rotation setups
- Multiple machined pockets for positioning the ArcCHECK
- 11.3° inclined plane provides +/- 5.0 mm (10 mm total) of motion in posterior-anterior direction
- 30° rotation provides +/- 12.5 mm (25 mm total) of lateral motion
- Surrogate platform simulates posterior-anterior chest wall motion
- Surrogate and phantom motion are independently programmable
- Motion software enables breathing waveforms with different cycles, amplitudes, start positions and phase shifts

ArcCHECK:

- The only true 4D array specifically designed for QA of today's modern rotational deliveries
- 1,386 SunPoint Diode Detectors (0.019 mm<sup>3</sup>)
- Consistent Beams Eye View (BEV) for all gantry angles measuring entrance and exit dose
- MultiPlug inserts with fiducials and tissue mimicking 'tumor' for easy tracking

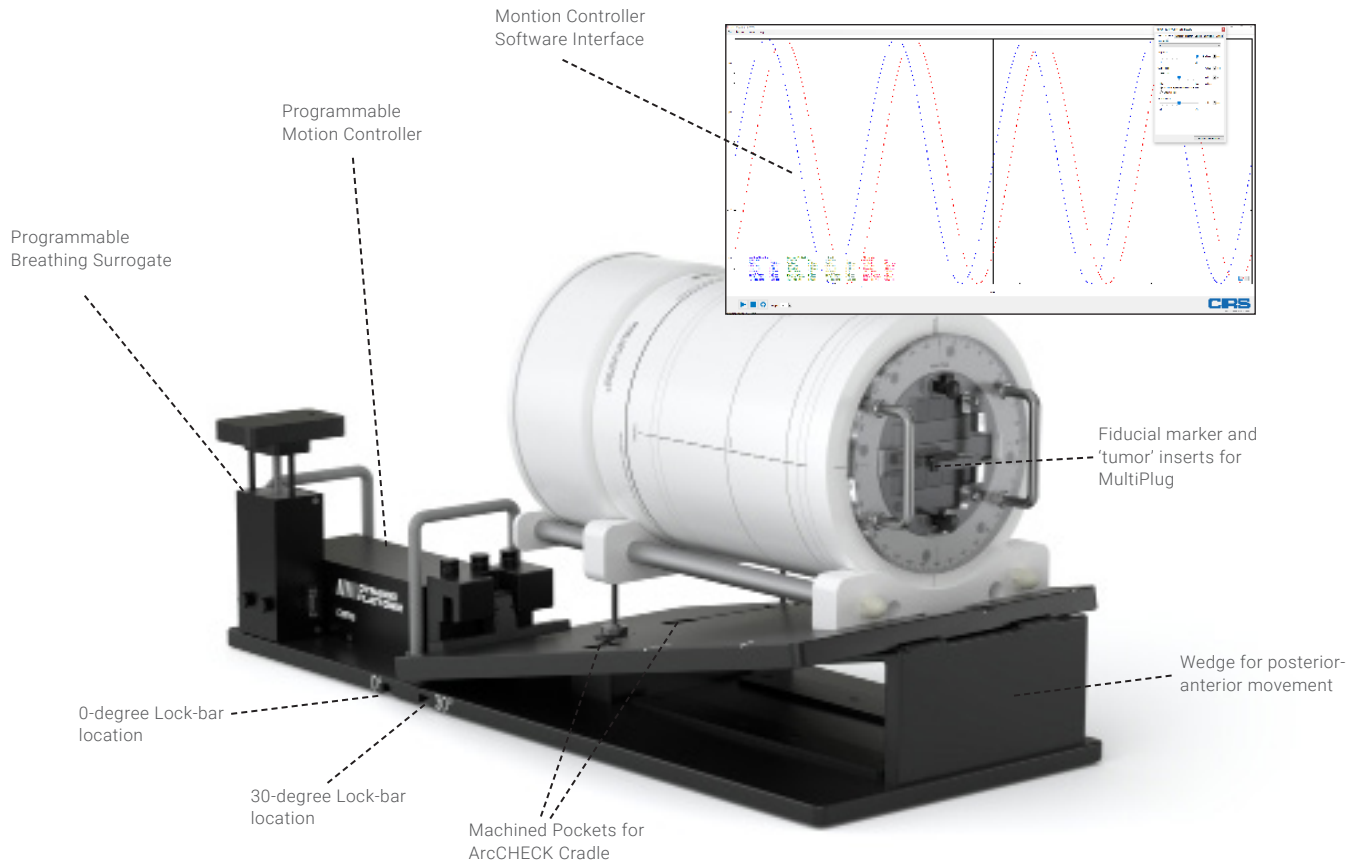


1D Motion Setup



3D Motion Setup

## Features



## Specifications

<b>Dimensions (platform only) (cm)</b>	92.3(L) x 37.5(W) x 24.8(H)
<b>Weight (platform only) (kg)</b>	18.4
<b>Weight (with ArcCHECK)(kg)</b>	33.8
<b>Position Accuracy (mm)</b>	+/- 0.1
<b>Maximum Amplitude Inf/Sup (mm)</b>	+/- 25.0 (50 total)
<b>Maximum Amplitude Lateral (mm)</b>	+/- 12.5 (25 total)
<b>Maximum Amplitude Pos/Ant (mm)</b>	+/- 5.0 (10 total)
<b>Maximum Amplitude Surrogate (mm)</b>	+/- 25.0 (50 total)
<b>Editable Built-In Waveforms</b>	sin(t), 1-2cos4(t), 1-2cos6(t), sawtooth, sharkfin
<b>Power</b>	110-250 VAC, 50/60 Hz

For ArcCHECK specifications, visit: [sunnuclear.com/products/arccheck](http://sunnuclear.com/products/arccheck)