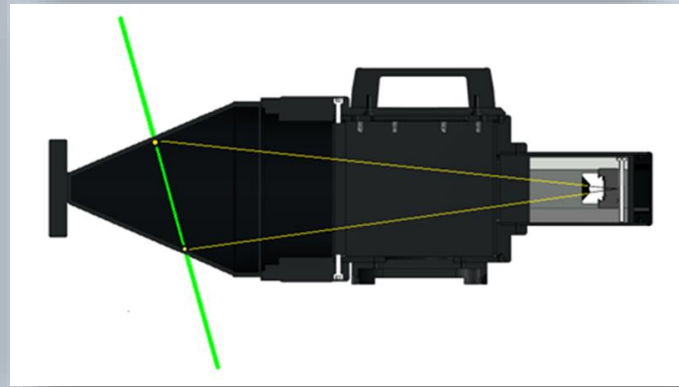
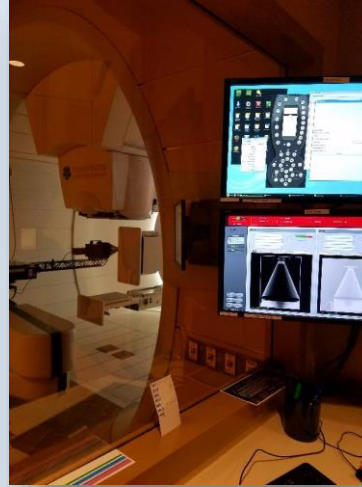
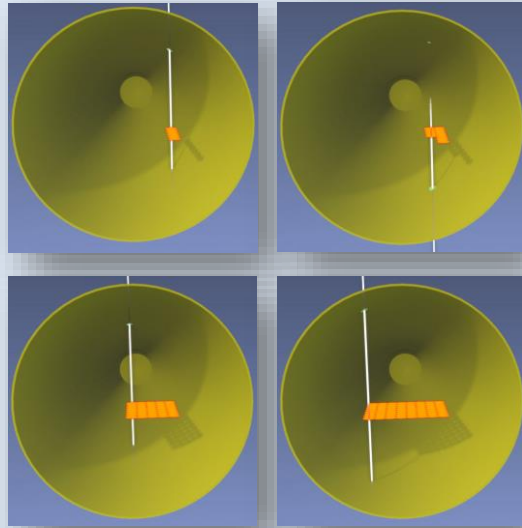


**Proton PBS
Energy Layer
Quality Assurance**

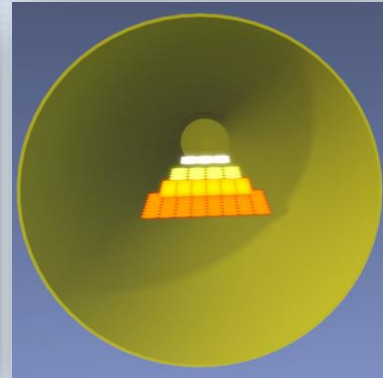
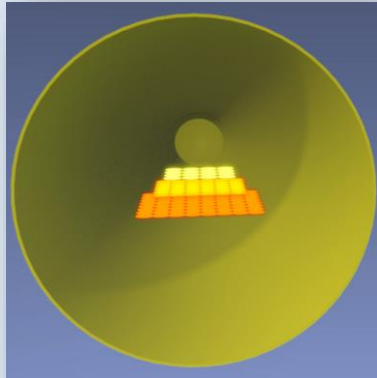
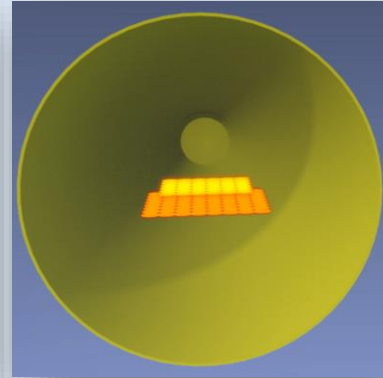
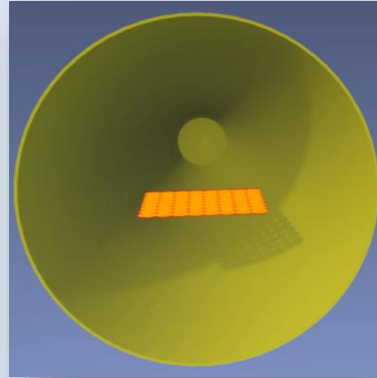
XRV-124 3D Phantom





Pencil Beam Scanning paints the proton beam energy layers using fiducials for image guidance while the XRV-124 captures images to memory in real-time

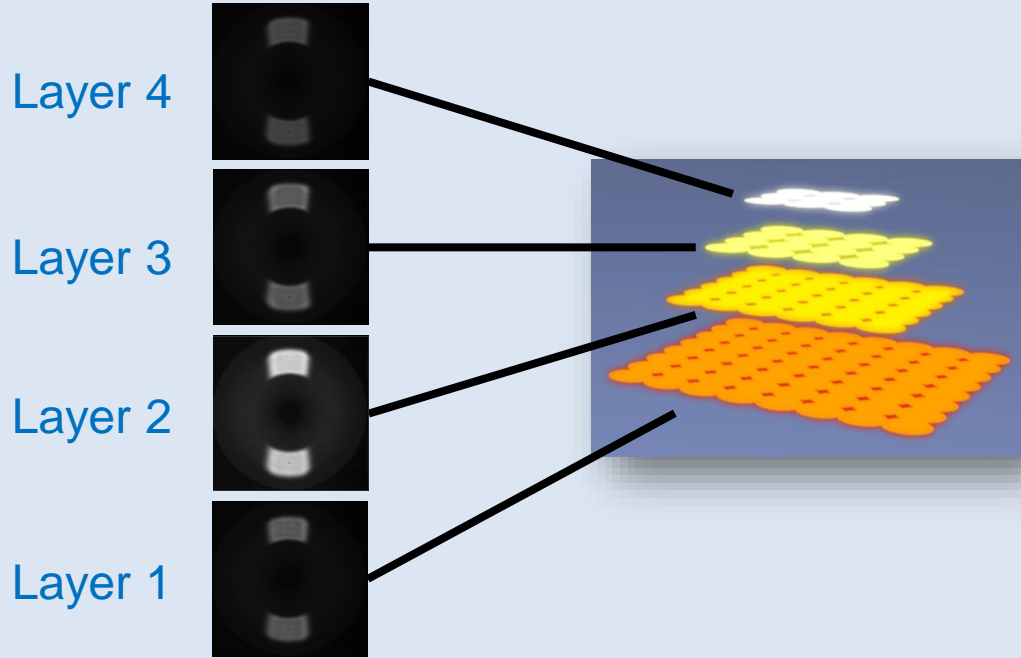
Bottom layers
are delivered
first using
higher MeV
proton beam
energies



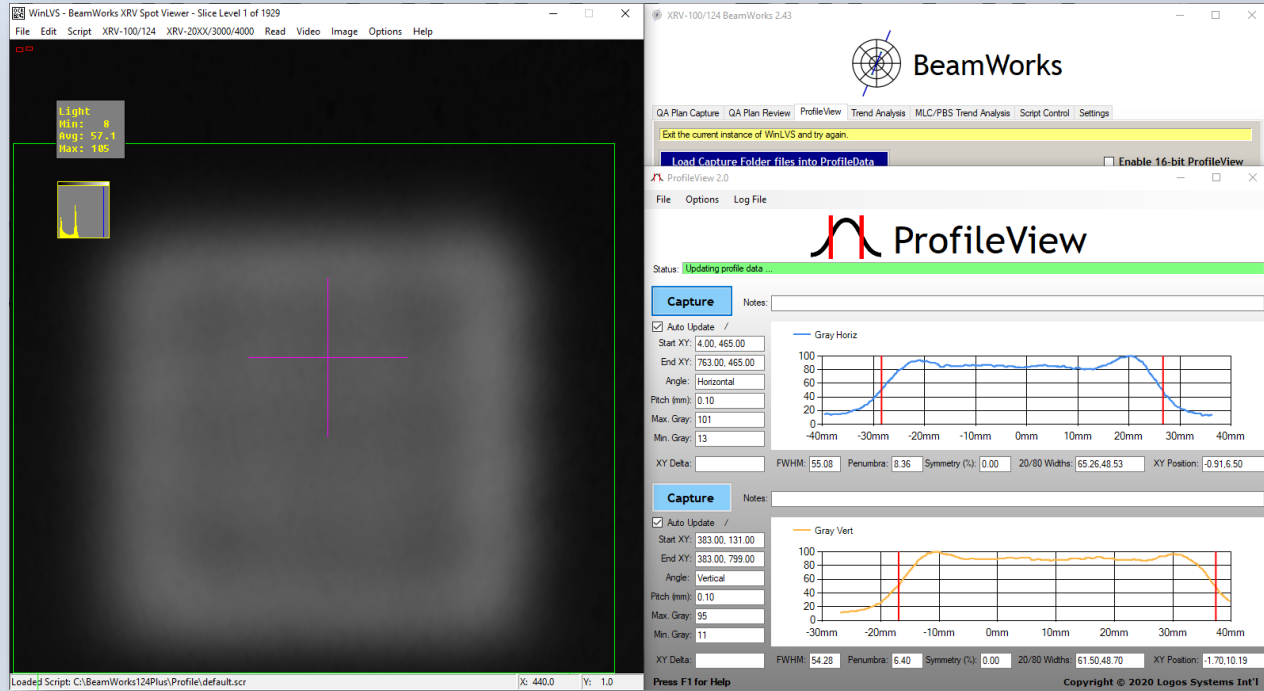


The images captured by the XRV-124 are grouped and assembled into a single composite image for each energy layer

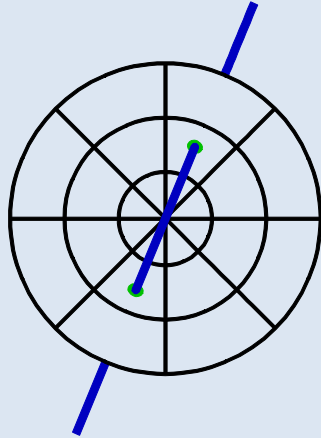
BeamWorks separates, dewarps, and transfers the layer images



The horizontal and vertical dimensions of each energy layer can then be precisely measured



Digital Real-Time Proton and X-ray Beam Metrology Solutions



Logos Systems

LogosVisionSystem.com