



PATIENT POSITIONING SYSTEM

Delivering smooth, precise positioning of radiotherapy patients

When designing a patient positioning system for life-saving radiotherapy, a major machine OEM relied on Aerotech to deliver smooth motion and precise positioning.



CHALLENGE

When integrating the system's motion control, this OEM needed customized servo motors and controls that met patients' needs, including:

- ◆ The smoothest motion possible for patient comfort & confidence
- ◆ High-precision motion to ensure only targeted areas are irradiated
- ◆ Safety-rated components that meet stringent regulatory requirements for patient safety

SOLUTION

Aerotech's engineering team created a successful solution by:

- ◆ Delivering a power-dense, cog-free (slotless) servo motor with an integrated, safety-rated absolute encoder, incremental encoder & power-off brake
- ◆ Providing a control solution that supports multiple feedback sources from high-precision encoders
- ◆ Producing cost-effective, high-quality motor & control solutions for volume manufacturing that meet strict quality standards necessary for patient safety



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Smooth, Precise Motion

Pairing Aerotech's Automation1 motion controller with custom BMS servo motors ensures a smooth experience —plus comfort and peace of mind—for patients being positioned for radiotherapy sessions. Because these servo-driven solutions are built for precision, therapy is applied to the appropriate area—and nowhere else.



By leveraging Aerotech servo and motion control solutions, radiotherapy machine producers precisely deliver targeted therapies.



Quality at the Source

A quality machine is built from quality products. Aerotech is certified to ISO 9001:2015, which means our products and services are held to the highest quality standards. All products undergo rigorous testing and burn-in prior to shipment, so we know they will perform to your standards out of the box. We'll take your critical requirements and perform acceptance testing to ensure products meet or exceed those standards.

Support Where You Need It

In today's global healthcare environment, we understand your products may ship anywhere in the world. Our service and support engineers are located across the globe—and ready to help when you need it.

