



TOMOTHERAPY® SYSTEM PERFORMANCE UPGRADES

TomoTherapy performance upgrades are designed to enhance the overall customer experience through improved uptime and more efficient serviceability.

Dose Control System (DCS)

INSTALLED SCHEDULED >

Minimizes system interruptions and improves uptime by reducing system adjustments. The dose control system maintains dose rate consistency, virtually eliminating dose rate variations due to gantry rotation, during the treatment delivery, and over the entire course of treatment.

Extended Life Magnetron

INSTALLED w/NEXT REPLACEMENT

Significantly extends the life of the previous magnetron design. The new optimized magnetron design reduces intermittent arcing, minimizes machine interruptions and improves system uptime through less frequent magnetron replacements.

MLC Enhancements

INSTALLED w/NEXT REPLACEMENT

Reduces MLC interruptions and minimizes part replacements. Improves the uptime of your existing MLC by reducing overheating (improved air cooling) and monitor failure (new radiation-hardened leaf position monitor).

Fixed Target LINAC (FTL)

INSTALLED w/NEXT REPLACEMENT

Improves uptime through reduced LINAC service and physics validation. The newly designed LINAC contains fewer moving components for greater efficiency. The target is no longer directly water cooled, eliminating corrosion and reducing target replacements.

"The DCS upgrade has really reduced the amount of errors we were having. We are seeing overall system performance improvement."

- John Gibbons, Ph.D.
Chief of Clinical Physics
Mary Bird Perkins Cancer Center



Purchasable Options

VoLO™ Planning

Create complex treatment plans up to 10x faster

VoLO Planning dramatically accelerates plan calculation times, and makes planning truly interactive, reducing the duration from patient intake to first treatment.

- Adds the flexibility to change all parameters at any point in the process.
- Allows for evaluation of different treatment approaches, finding the best plan parameters with the fastest delivery times.
- Powered by a high-end graphics processing unit (GPU) hardware that speeds calculation time by performing multiple complex mathematical operations simultaneously, rather than sequentially.

TomoEDGE™ Dynamic Jaws

Sparses more healthy tissue while increasing throughput

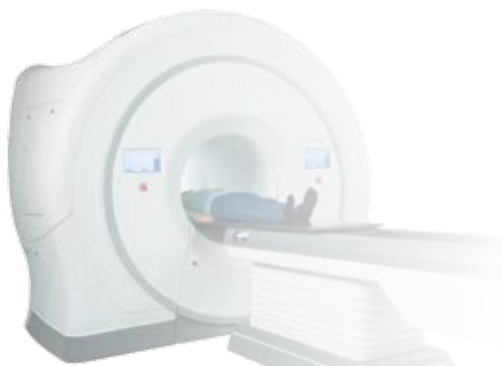
TomoEDGE Dynamic Jaws provide sharper dose sculpting and additional normal tissue sparing than with Fixed Jaws alone. When coupled with VoLO to achieve well-optimized plans, treatment times can be reduced by up to 50%.

TomoDirect™ Delivery

Expands versatility with static-angle treatment capability

TomoDirect adds a discrete-angle delivery with both IMRT and 3D conformal radiation therapy (3DCRT) planning modes. With TomoDirect, users can:

- Choose up to 12 discrete angles for optimal target coverage.
- Define a modulation level, or opt for tissue-compensated 3DCRT delivery.
- Deliver all beams for each target with a single turn of the operator console key.



**For an overview of TomoTherapy® System performance upgrades,
please contact your Accuray representative.**

TomoTherapy®

RADIATION THERAPY