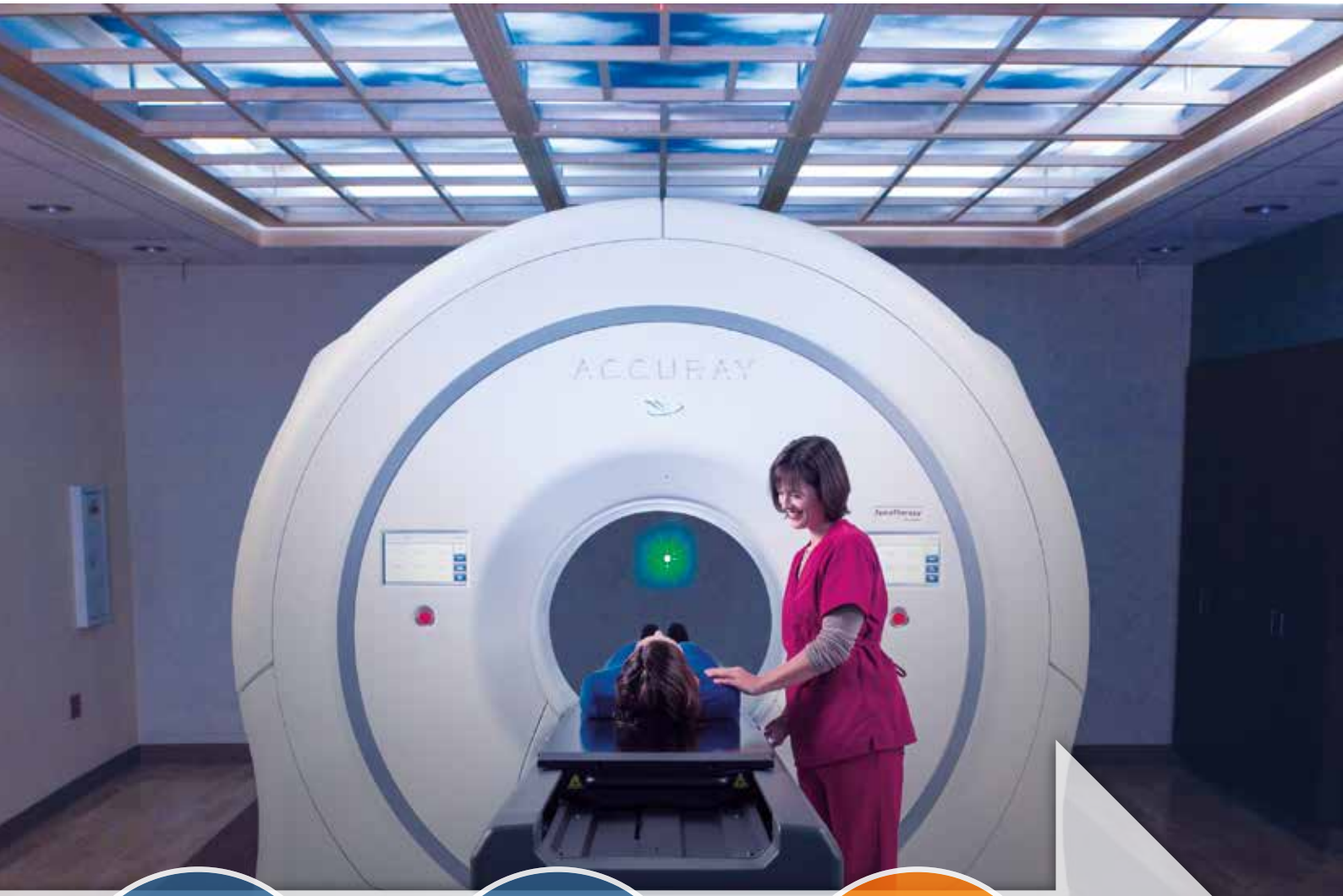
CATALYST™ TOMO

IMPROVED POSITIONING WORKFLOW FOR TOMOTHERAPY™



SIMULATION

PLAN

TREATMENT

Innovative SIGRT Solution

Image courtecy of Accuray.

C-RAD

CATALYST™ TOMO

The complex nature of TomoTherapy Treatments emphasizes the importance of accuracy of the target position and maintaining the position during the entire treatment.

With its unique capacity for real-time image acquisition and visual gidance, the Catalyst™ Tomo is the ideal solution for addressing these challenges.

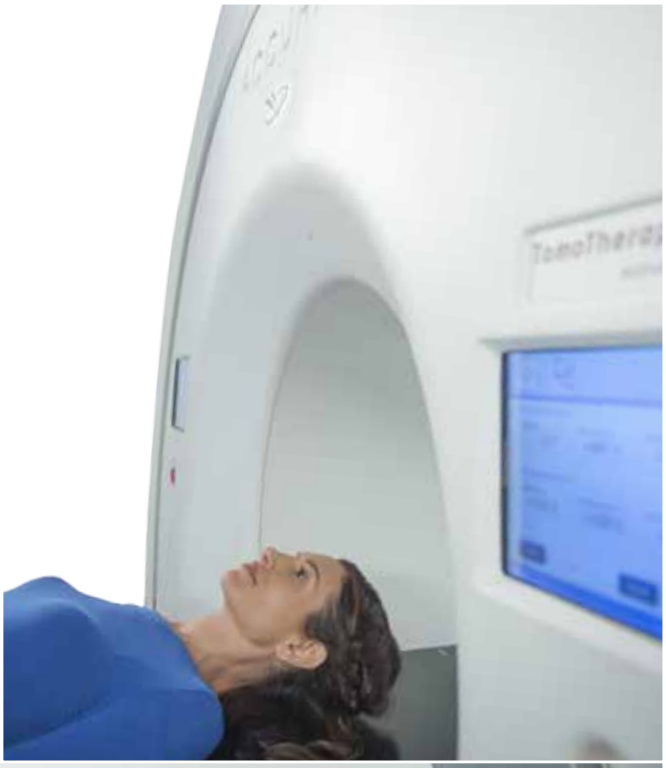


Image courtesy of Accuray.

C-RAD TOMOTHERAPY™ POSITIONING SOLUTION INCLUDES:

Enhanced SIGRT Solution for TomoTherapy

- Single Catalyst system for TomoTherapy
- The images from planning CT or Sentinel 4D CT can be used as reference for positioning
- Large patient surface coverage (1300x800x700mm) with interactive visual guidance via color map projected on patient body during setup.

High level of patient safety and user confidence

- No markers on or around the patient
- Dose-free surface image-guided solution
- Compliant to the immobilization devices
- An optional customized installation kit as option will reduce the impact on service and maintenance of the TomoTherapy system

Increasing productivity without compromising the treatment quality

- Non-rigid algorithm improves accuracy and speed of clinical application.
- A complementary workflow for patient setup and positioning with Catalyst can be used to potentially reduce the need for MVCT verifications, with the benefit of delivering smaller doses to healthy tissue.
- Highly integrated QA/QC procedure – Daily QC in less than 5 minutes

* TOMOTHERAPY is the trademark of Accuray Inc.

HIGH PRECISION

HIGH EFFICIENCY

PATIENT SAFETY

For more information please visit:

WWW.C-RAD.COM

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POS 33110-00

REDEFINING PRECISION IN ADVANCED RADIATION THERAPY

CATALYST™ TOMO

SYSTEM DATA

Physical dimensions

- *Size (W x D x H):* 620 mm x 280 mm x 400 mm
- *Weight:* 16 kg (35 lbs)

Power

- *Input voltage:* 100 – 240 VAC
- *Frequency:* 47 – 63 Hz
- *Power consumption:* 1.8 A

Environment

- *Operating temperature:* +10 °C to +35 °C (50 °F to 95 °F)

Light projection

- *Wavelengths:* 405 nm (near-invisible violet), 528 nm (green), 624 nm (red)

Performance

- *Scan volume (X * Y * Z):* 800 mm x 1300 mm x 700 mm.
- *Measurement reproducibility:* 0.2 mm
- *Long-term stability:* 0.3 mm
- *Warm-up time:* 30 minutes
- *Scan speed:* Up to 80 complete 3D surfaces per second
- *Registration method:* Real-time, non-rigid with deformable models for computing 6 DOF isocentric shifts
- *Positioning accuracy:* Within 1 mm for rigid body

*Full system data upon request

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