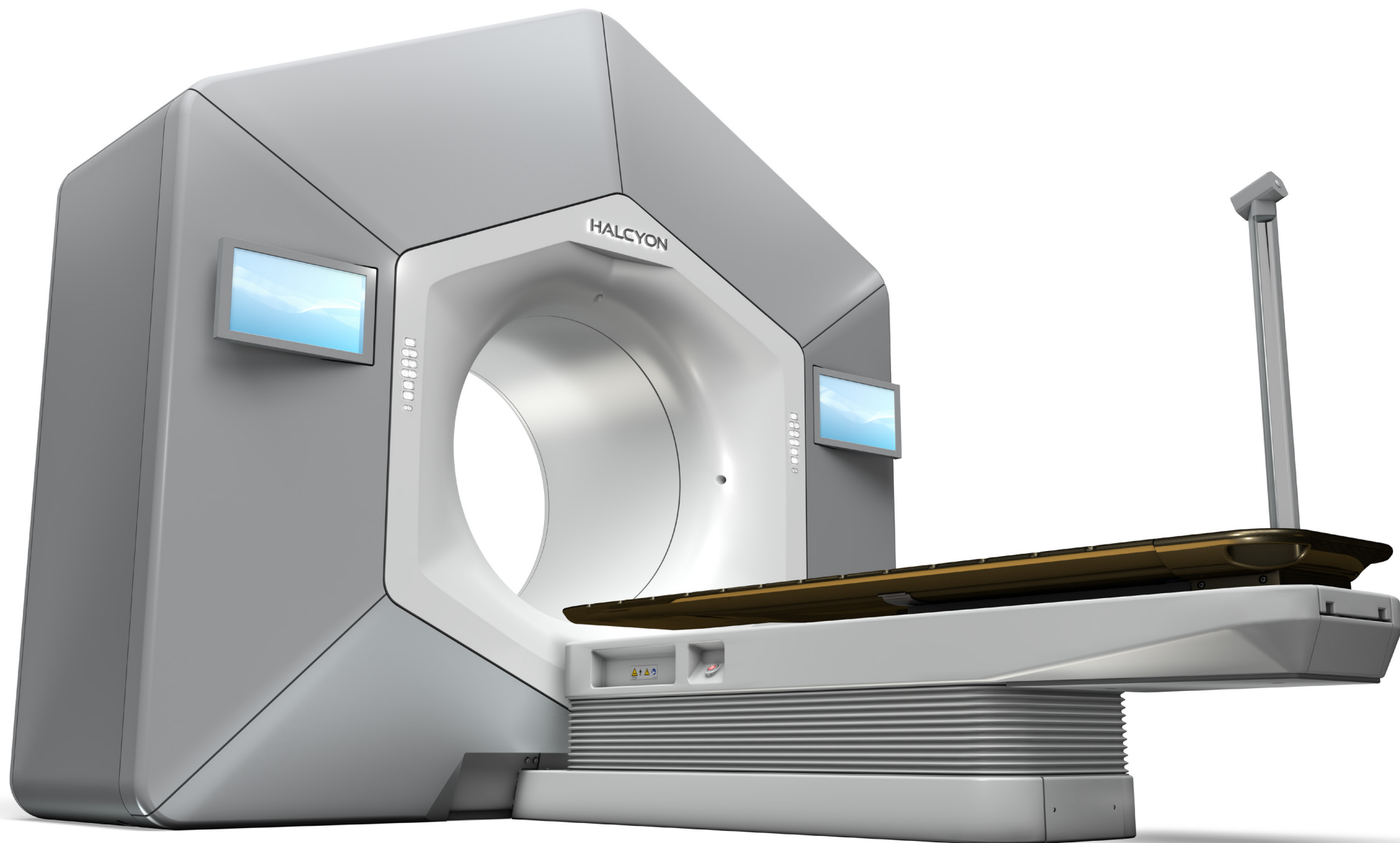


A large, semi-transparent blue hexagon with a subtle gradient, centered in the background. The background itself is a complex geometric pattern of overlapping triangles in various shades of blue and purple, with a warm orange and yellow glow at the top center.

HALCYON

varian





HALCYON

An innovative new platform built to transform the way the world thinks about treating cancer.

Together with our customers, we've led radiotherapy innovation for years. Now, with Halcyon™ radiotherapy system—the newest treatment platform in the Varian portfolio—we're helping create radiotherapy's future.

HIGH QUALITY OF CARE
OPERATIONAL EXCELLENCE
HUMAN-CENTERED DESIGN

FOUNDATIONS OF THE HALCYON PLATFORM

In creating transformative radiotherapy treatment, we wanted an advanced system that would optimize your productivity, elevate the way you're able to treat patients, and enable access to high quality care for every cancer center around the world.

The result is a powerfully intuitive treatment system that's centered around three crucial themes to help improve and strengthen your fight against cancer.



To increase your level of quality care, we set the bar higher.

HIGH QUALITY OF CARE

Simple, efficient, and purposeful, Halcyon offers the potential to replicate treatment from machine to machine, practice to practice—putting patients and staff more at ease and delivering a high standard of care. Its advanced design is optimized to deliver quality cancer therapies for every appropriate patient, and every care center around the world.





POTENTIAL BENEFITS

CORE TECHNOLOGIES ENABLE EXCELLENT QUALITY TREATMENTS

System capabilities allow for advanced techniques such as Multi-arc VMAT, Many-field IMRT

Powerful 800 MU/min dose rate, 6MV, Flattening Filter Free (FFF) beam

A gantry that rotates up to four times faster

Collimator rotation between fields enhances treatment conformity

NEW GENERATION MLC

A fast leaf speed of up to 5cm/sec that's specifically engineered to support the faster gantry rotation

Dual-layer offset leaf technology with 100% overtravel capability enables more efficient treatments

"Stacked and staggered" approach provides optimized modulation and reduced interleaf leakage

100% IMAGE GUIDANCE (IGRT), IMRT, VMAT

Fast, sharp, ~15-second CBCT image capture; 7 seconds for a 2-D image

100% image guidance enables consistent & confident workflow

Imaging dose is included in the treatment plan



Halcyon changes everything.

OPERATIONAL EXCELLENCE

Varian has designed a leading-edge radiotherapy treatment system that sets a new standard for operational efficiency. Halcyon's advanced yet simplified platform allows you to streamline your workflow and expedite installation, training and treatment times. It also offers the opportunity to reduce costs and improve profitability. Every component was conceived and engineered to provide operational excellence.





POTENTIAL BENEFITS

FAST TO CLINICAL USE

Fast installation typically in 14 days or less minimizes disruption of your clinic

Simplified treatment process allows for easier staff training to help get your department up and running in less time

Typically fits in existing and smaller vaults

ACCELERATED TREATMENT TIMES

Accommodates a high volume of patients

Beam-on time typically about 2 minutes whether RapidArc™ or IMRT

Simplified user interfaces make sophisticated treatments easy to deliver

Streamlined process:
9 steps from start to finish

SMART, ROBUST OPERABILITY

6-point safety system provides confidence

Ergonomic controls designed for easy set-up of patients

Engaging, user-friendly design focuses attention on specific tasks

HALCYON





More intuitive design for cancer fighters. Less intimidating for patients.

HUMAN-CENTERED DESIGN

Halcyon is engineered ergonomically to be intuitive, friendly, and comfortable for clinical staff and patients alike. This human-centered approach means there are fewer parts and protocols for staff to worry about, more time freed up to advance clinical capabilities, and most importantly, more opportunities to provide the highest level of care for every patient.





POTENTIAL BENEFITS

ENHANCED PATIENT CONNECTION

Integrated couch-mounted camera enables close connection with patient

Clear patient intercom with input jack for in-room music

Large “LiveView” patient video image embedded in treatment screen

SPACIOUS OPEN-BORE DESIGN

Roomy and patient-friendly design

Wide 100cm bore; shallow 75cm bore depth

Soft, ambient lighting provides positive, reassuring patient experience

PATIENT-CENTRIC COUCH

Low height, easy access, and smooth couch movement

Remote start of unload upon treatment completion to minimize patient time on the couch

Our quietest linear accelerator yet; potential to lower patient stress level

Rapid imaging and treatment duration to limit time on couch for patient

New linear motor design for shifting patients smoothly and quietly



HALCYON

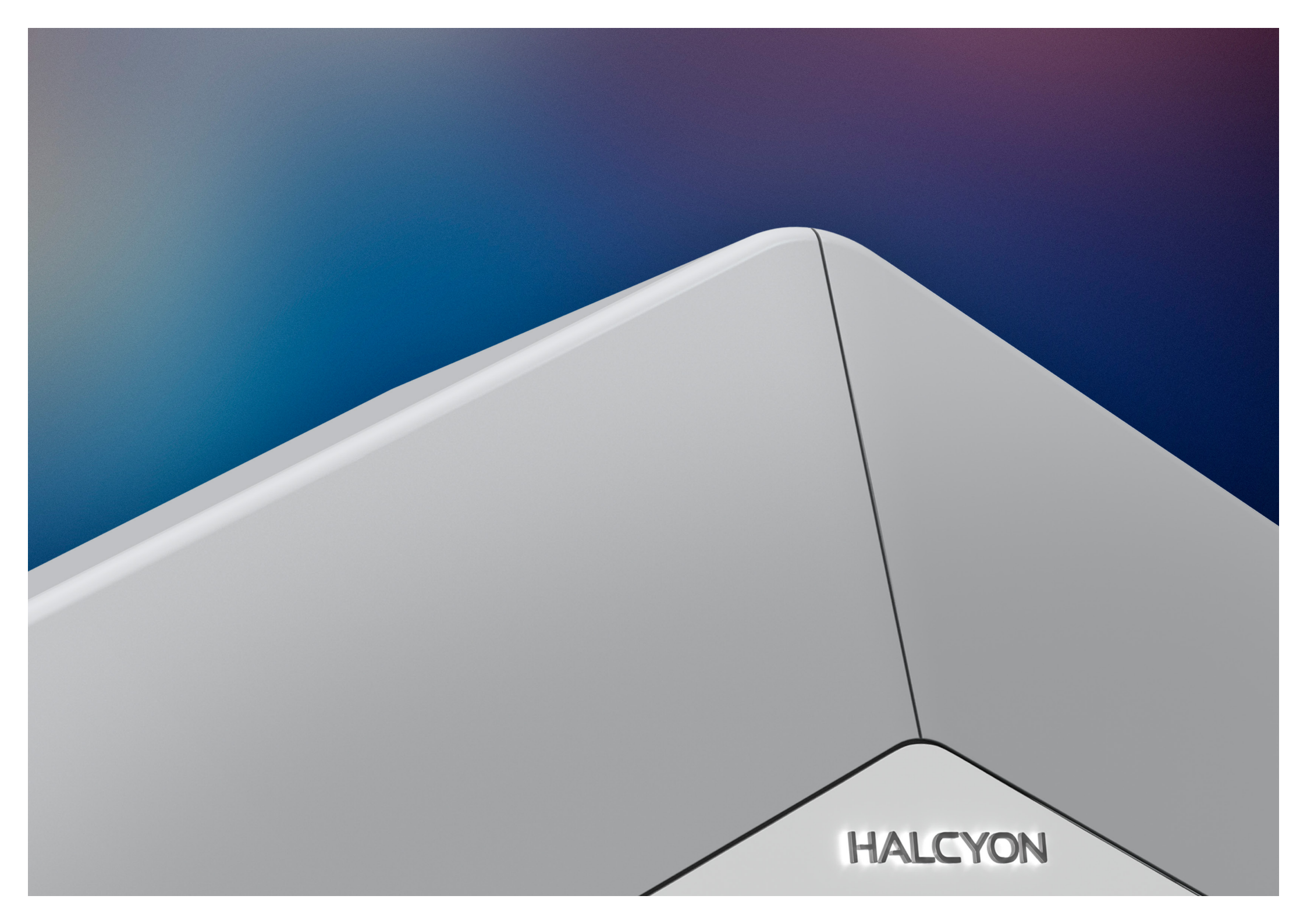
In developing Halcyon, we set out to rethink the way we approached radiotherapy so you can redefine the way you fight cancer.

We considered all the possibilities—and the impossibilities—to design a patient-centered radiotherapy treatment platform that's focused on the essentials your clinic needs to deliver a high quality of care.

Every single component, innovation, and minute detail has been designed, engineered, tested, re-tested, and then seamlessly integrated to work together in perfect harmony.

WE CAN'T WAIT TO SEE WHAT YOU ACHIEVE.

Inclusion of features depends on the purchased configuration. Please consult your Varian representative for more information.



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Intended Use Summary

Varian Medical Systems' linear accelerators are intended to provide stereotactic radiosurgery and precision radiotherapy for lesions, tumors, and conditions anywhere in the body where radiation treatment is indicated.

Safety

Radiation treatments may cause side effects that can vary depending on the part of the body being treated. The most frequent ones are typically temporary and may include, but are not limited to, irritation to the respiratory, digestive, urinary or reproductive systems, fatigue, nausea, skin irritation, and hair loss. In some patients, they can be severe. Treatment sessions may vary in complexity and time. Radiation treatment is not appropriate for all cancers.

DISCLAIMERS

Devices or features presented in this brochure may not be available for sale in all markets. Specifications and features subject to change without notice.

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