

Best **nomos**[®]
healthcare for everyone



nomosSTAT[™]
SERIAL TOMOTHERAPY



Your Single Source Oncology Solutions Provider *Plan. Target. Treat.*

At Best® NOMOS® we design products and solutions that help medical professionals treat a variety of cancers. Our products are used extensively to accurately plan, target, and deliver radiation treatments to patients all around the world. We are best known for our innovations in IMRT and IGRT, having delivered the first commercial IMRT system, the PEACOCK® in 1992. As one of the newest members of the TeamBest family of companies, we are excited to expand our product offerings beyond IMRT and IGRT. Our aim is to be the Single Source Oncology Solutions provider of choice for our customers. We can now offer our customers a wide array of best in class products used in brachytherapy as well as external beam radiation. It is through our commitment to our customers that we will succeed in our mission to provide healthcare for everyone.

nomosSTAT™ SERIAL TOMOTHERAPY

Adaptable and affordable

The only after-market, add-on serial tomotherapy delivery package offered as an upgrade to an existing linear accelerator, nomosSTAT is adaptable to analog/digital, Varian, Siemens, Elekta, Philips, Mitsubishi and Beijing Medical Equipment Institute linear accelerators.

Precise conformality

Steep dose gradients and sensitive structure avoidance enable delivery of higher doses in critical areas. Serial tomotherapy IMRT does not trade conformality for treatment time.

Non-coplanar treatment capability

Treat at multiple couch angles to optimize where beam is entering the patient, further enhancing target conformality and sparing sensitive structures.

Flexibility

nomosSTAT delivers a full range of intracranial and extracranial IMRT treatments as well as radiosurgical treatments with 4mm resolution. Resolution options for large- and small-field treatments – all from a single multileaf collimator.

Simple pneumatics for high reliability

The nomosSTAT MLC is more reliable than complex, motor-driven MLCs because of its pneumatic, binary design and operation. 98% uptime is guaranteed.

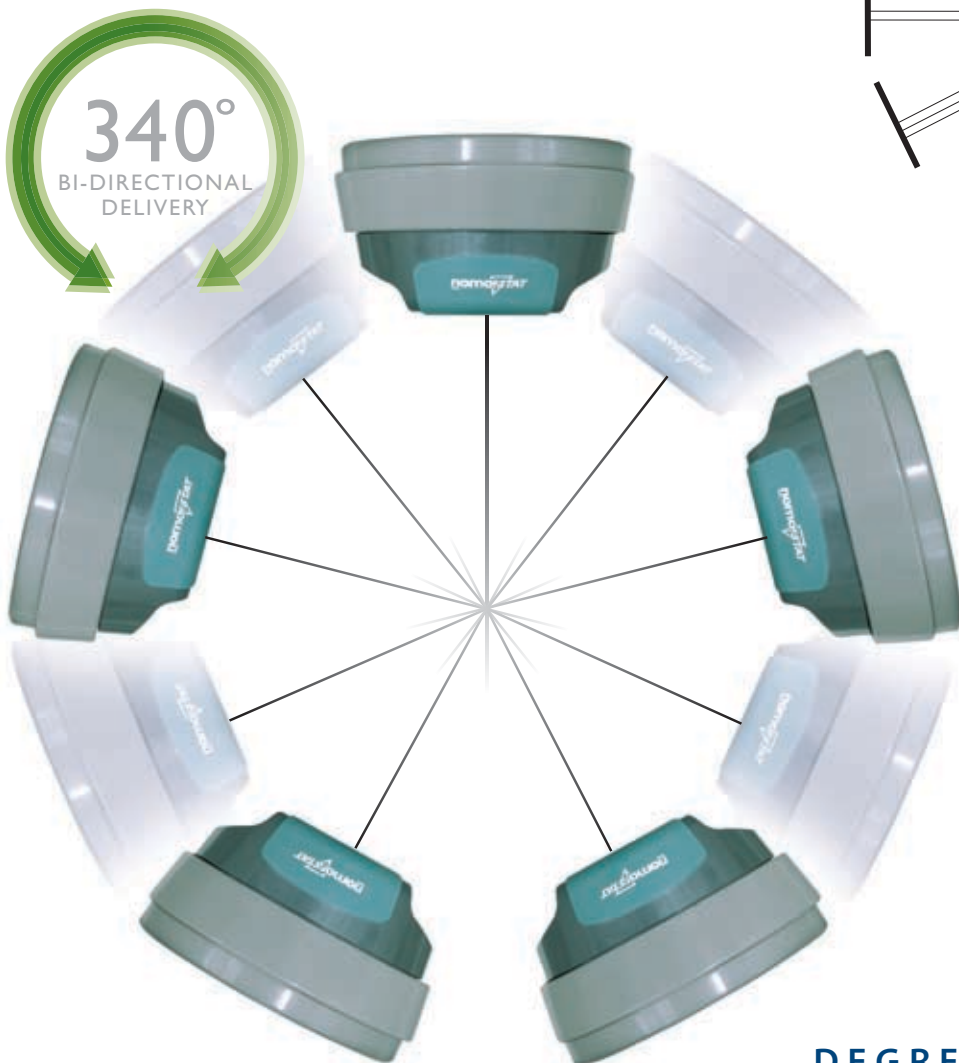
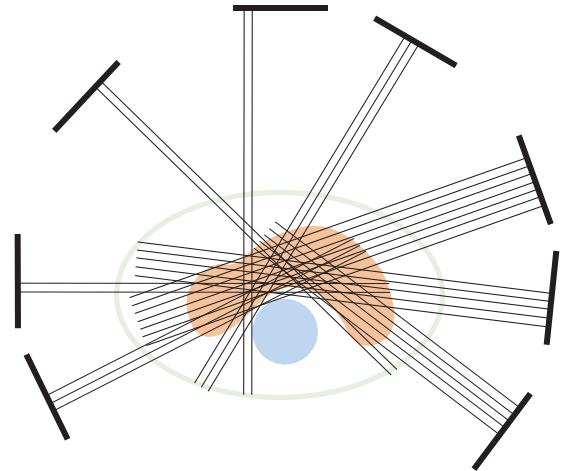
On-site support and hands-on training

Comprehensive services include on-site commissioning services and training with a medical physicist and on-call technical support.

WHAT IS SERIAL TOMOTHERAPY?

RADIATION THAT FIGHTS CANCER, NOT PATIENTS.

nomosSTAT serial tomotherapy delivery technology fires thousands of individual beams of radiation from virtually any radial angle around the patient with beams that can vary in intensity in 10% steps. Carving out extremely conformal dose distributions and steep dose gradients, serial tomotherapy delivers the beams to, and tangential to, the target, sparing sensitive structures.



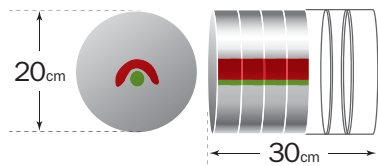
DEGREES OF FREEDOM

Compared to step-and-shoot techniques that deliver multiple overlapping segments to modulate field intensity at a limited number of angle positions, tomotherapy provides more degrees of freedom. It deposits the dose to the target while avoiding completely, or softening the impact on, critical structures – in similar and often faster delivery times.

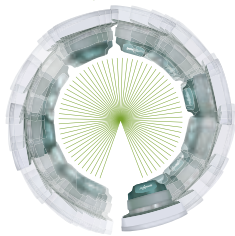
INTENSITY MODULATION AND OPTIMIZED BEAM PLACEMENT

nomosSTAT's dynamic arc delivery shapes and modulates the beam while the gantry is rotating, providing up to 40 individual intensity-modulated beams per every 5 degrees of rotation.

Arcs as long as 340 degrees can be delivered, each arc delivering a cylinder of radiation 20 cm in diameter over a cumulative 30 cm field length in 1 cm, 2 cm or 4 mm slices, and delivering two slices at a time.



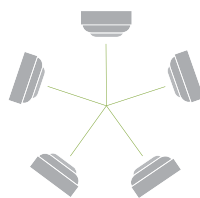
nomosSTAT MLC



340° nomosSTAT MLC dynamic arc delivery

Other

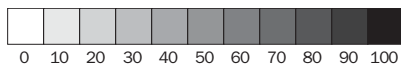
VS.



5-field MLC static gantry delivery

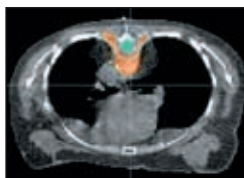
INTENSITY MODULATION

Each of the potential 2,560 pencil beams per arc can be modulated in 10% steps.

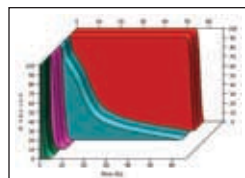


TANGENTIAL BEAM DELIVERY

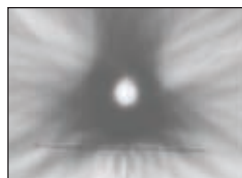
Intensity-modulated beams are delivered individually, not as overlapping field segments, allowing beams to be placed on the tangent of a target or sensitive structure, carving out steep dose gradients.



Metastatic T-spine with tumor wrapped around spinal cord



Tangential beam delivery carves out steep dose gradients



Dose is delivered to the tumor while avoiding the spinal cord

ADD nomosSTAT RADIOSURGERY TO YOUR CAPABILITIES

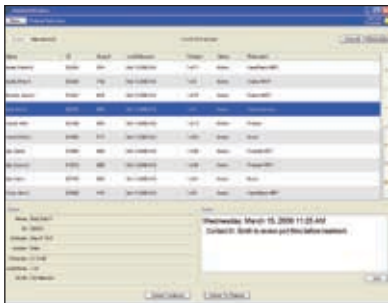


Position accuracy with TALON®

For multi-fraction radiosurgery of intracranial targets the TALON System provides 1 mm positioning accuracy and repeatability.

- TALON includes titanium screws, adjustment tools and a patented, detachable TALON assembly for patient positioning on imaging and treatment tables.
- After administration of a local anesthetic, two self-tapping titanium screws are inserted into the patient's skull – a 20-minute process that can take place in the operating room or in an outpatient surgical suite.
- The target box ensures accurate patient set-up by providing laser alignment, light-field alignment and radiopaque fiducial markers for film verification.
- The TALON assembly can be removed and reattached without loss of localization accuracy. For patients receiving fractionated treatments, the assembly is removed after each stereotactic treatment.

INTEGRATED TOMOTHERAPY DELIVERY



Patient selection



Alignment



Treatment delivery

nomosSTAT MLC

Pneumatically-driven, binary collimator with interleaf leakage and through-leaf transmission of less than 1%.



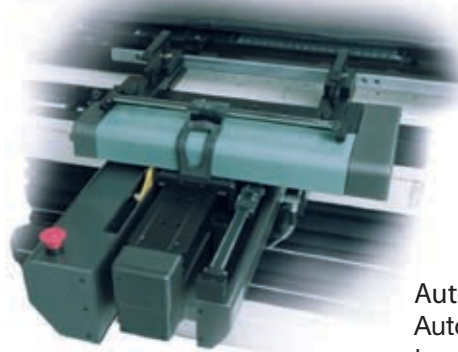
Console



In-room



Touch-screen user interface



AutoCrane™

Automatic table indexing accurate to within 0.1 mm per table index.



nomosSTAT combines CORVUS® inverse treatment planning and serial tomotherapy delivery and is the core architecture for integrating BATCAM™ ultrasound image guidance patient positioning. It serves as the platform for future planar x-ray localization and volumetric image acquisition for adaptive therapy applications.

OUR SERVICE IS AS TRUSTWORTHY AS OUR PRODUCTS

We are committed to providing the highest level of customer training and support to ensure your practice runs smoothly without disruption to patient throughput.

SPECIALISTS ON CALL

Our specialists are on call Monday through Friday, 8 am to 5 pm EST. After-hours support is available via a paging system.

DEDICATED TO PROVIDING TREATMENT OPTIONS

At Best® NOMOS®, everything we do is designed to provide targeted, accurate and effective treatment for patients who are fighting cancer. By making our advanced technology available and affordable, we are helping more oncologists and clinicians treat more patients at more locations than ever before.

Best® NOMOS® is a member of TeamBest™
– a family of Best® Medical companies.

From brachytherapy seeds and equipment, dosimetry kits, phantoms, treatment planning systems, an array of medical/health physics equipment, and product remanufacturing/servicing, to radioactive sources, gamma teletherapy machines, cyclotron systems, and particle therapy treatment, TeamBest™ has it all!

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