

THERAGENICS CORPORATION®

Isolader® Workstation



CONVENIENCE

SAFETY

FLEXIBILITY

EASE

ISOLOADER®

The Isolader®, along with the IsoStrand® real-time seed stranding module, provides the premiere all-in-one physics workstation that automates brachytherapy needle loading, radioactive seed assay and reporting.

Seeds and spacers arrive pre-sterilized, procedure-ready, in our proprietary IsoCartridge®; eliminating the hassle of managing or handling loose components.

CONVENIENCE

Using the Isoloader[®], and pre-sterilized IsoCartridge[®], needles can be quickly loaded with strands, seeds and spacers prior to surgery or in the operating room to accommodate real-time planning changes. Each IsoCartridge contains the necessary quantity of seeds and spacers required per case.

Perform unattended assay, up to 100%, using the IsoCheck[®] and onboard solid-state dose calibrator without removing seeds or disrupting sterility.

The Isoloader captures and tracks procedural data to generate comprehensive, easily customizable reports for physics data, patient files, reimbursement reports and discharge instructions.

SAFETY

Seeds and spacers arrive sterile, procedure-ready, in the shielded IsoCartridge and are transferred directly into implant needles, reducing radiation exposure to operating room personnel.

Patient specific information and seed specifications are maintained and displayed on the touch-screen display as well as on an external label. Within each IsoCartridge is an encoded computer chip that contains patient identification, seed type, seed strength and required quantity. Upon insertion and initialization in the Isoloader, should the IsoCartridge data differ from the loaded treatment plan, the system automatically alerts and prompts user for action.

For real-time use, needle loading can be performed in the sterile field using the provided sterile drape and accessories.

EASE

Using the touch-screen display, quickly and easily navigate through the Isoloader functions, import treatment plan data, assay seeds, load needles and print reports. Color-coded visual guides confirm and prompt user actions. Information window provides continual step-by-step guidance for each selected action.

Ordered seed strength is automatically time-corrected to the assay time to provide an accurate comparison.

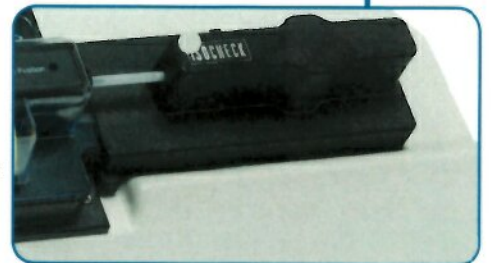
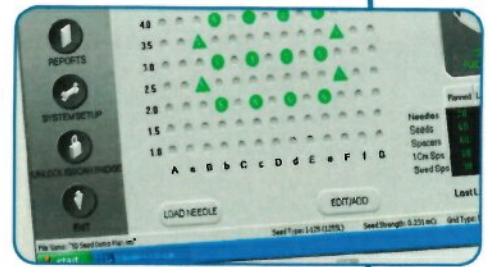
Compatible with most leading treatment planning systems, the Isoloader allows the import of source locations and needle loading data.

FLEXIBILITY

Create customized seed strands with a touch of the screen. Seeds and spacers are loaded into a bio-absorbable poly(Lactide-Co-Glycolide) tubular strand material by the Isoloader. Using the IsoStrand[®] module, the user transfers the loaded strand into a shielded window, allowing visual confirmation of strand contents. The strand is then sealed and advanced into the implanted needle.

Key benefits of the IsoStrand stranding process are:

- Efficient, real-time stranding
- Visual confirmation of strand contents, spacing and length
- True seed-to-seed strand combinations
- Rigid but flexible tubular sleeve construction
- Seeds can be easily removed from strand, if necessary
- Resorbs in the same time as synthetic brachytherapy spacers
- Ideal for cases requiring a combination of loose and stranded seeds



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