

MERIL'S LEAP FORWARD IN
INTERVENTIONAL RADIOLOGY



TOMORROW'S
MEDICAL ROBOT
TODAY

Biopsy | Ablation | Drainage | Embolization

“
**Mizzo Target solves
the four essential
problems all
medical robotics
should tackle: ease
of use, accuracy,
consistency, and a
ordability.**
”

Dr. Marco van Strijen
St. Antonius Hospital, the Netherlands



BUILT FOR SAFETY

Our class I medical device decreases user radiation and patient radiation by up to 55% * thanks to its navigated alignment, misalignment detection capabilities and reduced need for control scans.



ALL-ENCOMPASSING TURNKEY SOLUTION

Mizzo Target comprises a full-fledged portfolio that supports most imaging modalities and is compatible with every standard table and biopsy and ablation needles.



FAST AND ALL-AROUND

Our small robot grants the physician up close or 360° access (even inside the gantry) while reducing intervention time by up to 57%*.



SPOT-ON, EVERY TIME

Our table-mounted robot and live-imaging features grant Mizzo Target users full-body, submillimeter* accuracy.



SMOOTH SAILING FROM THE GET-GO

Setup takes less than 5 minutes, and users get proficient with the system after only a few cases-while keeping their team from making changes to the usual workflow.





Movement Range

- 40 mm and 30° from center position.
- Pre-positioning with Positioning Arm with 7 DOF and 40cm range.
- Place on table can be adjusted along the table longitudinal direction.

Clinical & Mechanical Accuracy

- Average accuracy of alignment to the trajectory: 0.43 ± 0.5 mm
- Average angular deviation to the trajectory: 0.79 ± 0.41 degrees
- Relative: Better than 0.03 mm
- Absolute: Better than 0.2 mm

Compatible Image Modalities

Planning and Navigation

- Fluoroscopy, Cone-Beam CT, CT-Fluoroscopy and CT
- Using pre-and intraoperative scans
- Optical navigation capabilities available, with disposable tracker and without the need for dynamic referencing
- Instruments from 8-21G
- Other dimensions available on demand

Maximum Load

- Robot: Instruments up to 2kg without interruption of motion (halt at 40N)
- Positioning Arm: 5kg without slippage when fully extended

Product Classification

EU: Class I, per the Medical Device Regulation (MDR)
2017/745 US: Class II, 510(k) cleared for
Fluoroscopy/CBCT; Pending 510(k) clearance for CT and
CT Navigation

SEAMLESS WORKFLOW INTEGRATION WITH NO MISSING FEATURES

SETUP

Seamlessly mount the robot to any standard table, load DICOM data, and automatically register in less than 5 minutes.

INTRAOPERATIVE PLANNING

Use the pre- and intraoperative scans with a proprietary, intuitive software to accurately plan your single or multi-needle intervention without angular limitations.

ALIGNMENT

Perform an automatic or joystick-controlled alignment with submillimeter accuracy to your planned trajectories within seconds with the help of navigation and live imaging.

INSTRUMENT INSERTION

Securely advance your instrument of choice under live-imaging while keeping haptic feedback. Lateral deviations after instrument insertion are signaled by the system, allowing for correction.



For more information about Mizzo Target
please contact your local representative
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