

PH-39 | 41326-000

Dynamic Thorax Phantom

Dosimetry

CT

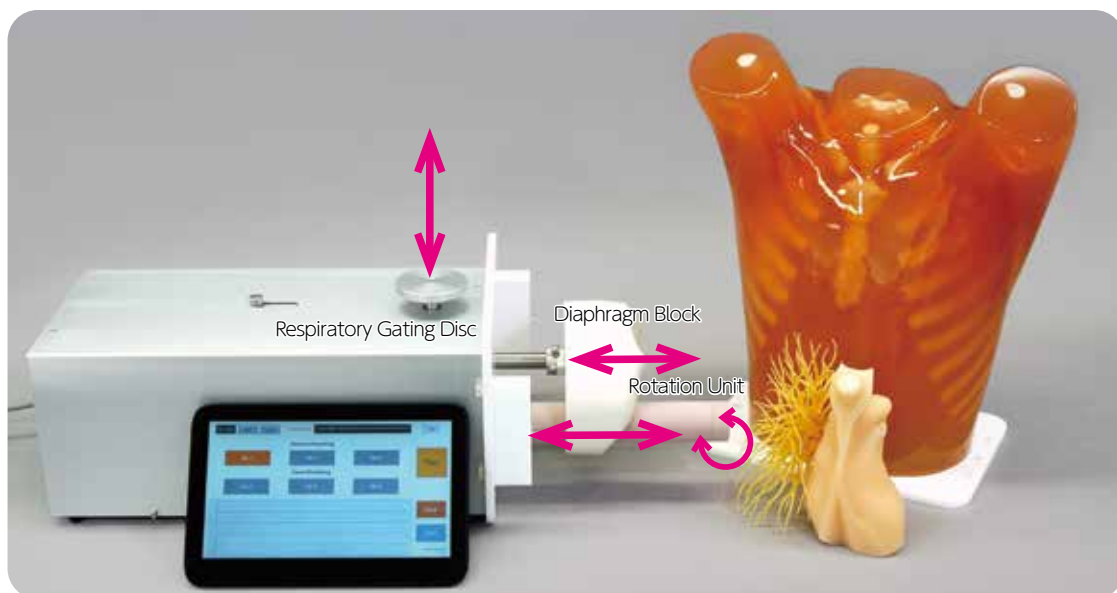


DYNAMIC PHANTOMS

Anthropomorphic chest phantom for respiratory gating



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FEATURES

- | This phantom represents the movement of human lungs.
- | A male chest torso phantom with human tissue substitute material.
- | Simple operation with the wireless tablet.
- | The pulmonary nodule and the diaphragm move independently with the respiratory cycle.
- | Three-dimensional movement of the pulmonary nodule (linearly and rotationally).
- | TLD can be inserted to simulate the nodule.
- | Six respiratory patterns are preset.
- | Respiratory patterns can be modified and saved.
- | Up to three different respiratory patterns can be run in sequence.
- | Three operation modes: basic, combination, and user mode.

APPLICATIONS

- | Respiratory gating CT
- | Dosimetry
- | Radiation therapy

CONTROLLABLE PARAMETERS

- | Respiratory rate: 6-24 cycles / min.
- | Movement of diaphragm: 0-38 mm / 0-1.5 in
- | Linearly movement of nodule unit: 38-64 mm / 1.5-2.5 in
- | Rotation of nodule unit: 50-70 degrees

DESCRIPTIONS

SET INCLUDES

1 drive unit	1 diaphragm block
chest phantom	1 set of simulated nodules
mediastinum phantom	1 controller
with right pulmonary vessels	1 storage case
nodule rotation unit	manual