X-LINE™

PRECISION RADIOTHERAPY TAPE FOR CT SIMULATION

X-Line™ allows accurate contouring within distorted regions of the CT image, improving radiotherapy outcomes.

Obese patients must be imaged with the extended field of view (eFOV), often resulting in distorted body contours. X-Line™ provides a series of reliable dots within the distorted sections of the eFOV, allowing for easy identification of the true body contour. The radiopaque lines on X-Line™ show up as hyperdense in CT simulation. Connect underneath the dots to get an accurate body contour - it's that easy!

Body contour distortion from large patients in the eFOV
- GE Discovery CT590 RT, Optima CT580 RT and LightSpeed RT have a scan FOV (sFOV) of 50cm and a 65cm extended FOV (eFOV) option
- Siemens Somotom models have a 50cm sFOV and eFOV up to 80cm
- Body regions within the eFOV is distorted and contains artifact, resulting in an inaccurate body contour
- Body contour inaccuracies can lead to incorrect SSD and dosage calculations

X-Line™ General Instructions
- Apply X-Line™ to all body regions that might fall outside of the scan field of view
- Tear a strip length that fully encompasses the region of interest
- Expect to use 3-5 strips per patient, depending on their size

Step 1 - Peel
- Peel away the protective backing
- X-Line™ is kiss cut to make for easier removal

Step 2 - Apply
- Apply X-Line™ to the region of interest
- Orient the radiopaque lines perpendicular to the direction of the CT cross section
- Space the X-line™ strips approximately 1 inch apart
- Only apply each X-Line™ strip once

Step 3 - Scan
- Then, perform the CT scan as usual
- Remove and discard the X-Line™ strips after the scan
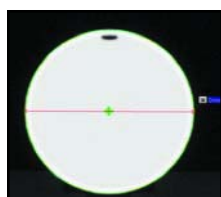
Step 4 - Connect
- Finally, connect just underneath the bright, hyperdense dots in the resulting CT images
- Connecting underneath the dots avoids including these hyperdense regions in the radiation dose planning

| Clear scan within sFOV | Distorted image in 65cm eFOV | X-Line™ connect-the-dots body contour |

Siemens HDFOV PRO Phantom

A Solution to CT Simulation Image Distortion in Obese Patients

- More Accurate
- Fast and Simple
- Low-Cost
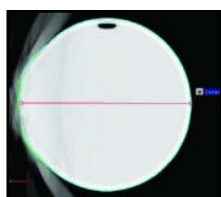- Optimal Dosage
- Latex Free

Specifications

Size: 2" wide (5.08 cm) with three equally spaced radiopaque lines 1" apart (2.54 cm)

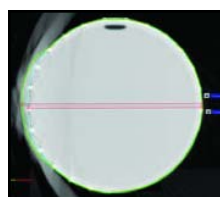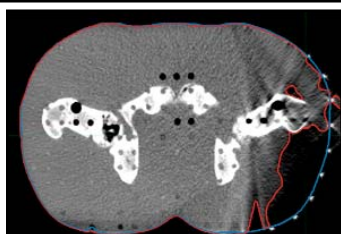**Quantity:** Rolls are 50' long (15.24 m) with perforations spaced every 2" (5.08 cm).

Item	Description
680-470	X-Line Tape, Full Adhesive
680-475	X-Line Tape, Partial Adhesive