

X-Ray Test Tools

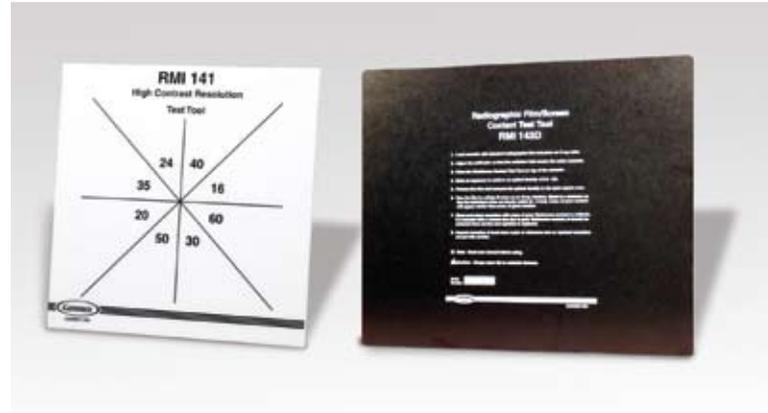
132 Tomographic Test Tool

Designed to test the imaging capabilities of the tomographic system, the Model 132 can be used to:

- ▶ Determine the location of the cut plane
- ▶ Determine the thickness of the cut
- ▶ Test the overall resolution of the cut plane
- ▶ Test the x-ray exposure uniformity
- ▶ Determine the path of the beam during exposure, for both linear and multi-directional units.

Specifications

Construction: six 9 cm dia. acrylic discs; one resolution disc, one position/thickness disc, one uniformity/beam path disc, three acrylic spacers of 1, 2, and 4 cm
 Dimensions: 10 cm x 9 cm dia. overall (4 x 3.5 in)
 Weight: 0.9 kg (2 lbs)



141 & 141H High-Contrast Resolution Test Tools

One important measure of your fluoroscopy system is its high contrast resolution. This test can assess the resolving power of your system and can be accomplished easily with Models 141 and 141H.

Both high-contrast resolution test tools consist of eight patterns of copper wire mesh in a pie shape. Each is labeled with lead numbers for easy visualization. Model 141 is used for standard radiographic systems with resolutions between 16 and 60 mesh, and Model 141H is used for systems with higher resolution such as those used in cardiology suites, where resolution is between 60 and 150 mesh.

Specifications

Construction: white plastic outside, 8 wire mesh patterns inside
 141: 16-60 mesh
 141H: 60-150 mesh
 Dimensions: 18 x 18 x 1 cm (7 x 7 x 0.4 in)
 Weight: 113 g (4 oz)

142D & 143D Film/Screen Contact Test Tools

Inspection of cassettes for good film/screen contact and screen integrity is an important but often overlooked quality control procedure. Poor film/screen contact can be the reason for areas of increased density, reduced density and blurring.

Specifications

Construction:
 142D: wire mesh screen, 3 lines/cm, enclosed in plastic
 143D: perforated brass with 2.4 mm (3/32 in) holes spaced 4 mm (5/32 in) center to center
 Dimensions: 37 x 44.5 cm (14.5 x 17.5 in)
 Weight:
 142D: 2.2 kg (4.9 lbs)
 143D: 2.8 kg (6.2 lbs)